

ANEXO 24-0190-1-A OMEGA I PLUS 64 LED T01-T07 (3-1) 55W

Driver ADVANCE Certa Drive 57W 1.05A 0-10V DIMMING

MODULO FF BOARD 4X16/740 VO 4K

LENTE: T01-T07 (3-1)

ABLE Model : AP5P277MG



Light Output Ratio:	100.0%
Luminaire Power:	55.17 W

I80 = 38.4 cd per klm.	I88 = 0.9 cd per klm.
I90 = 0.6 cd per klm.	I80/I88 = 44.397

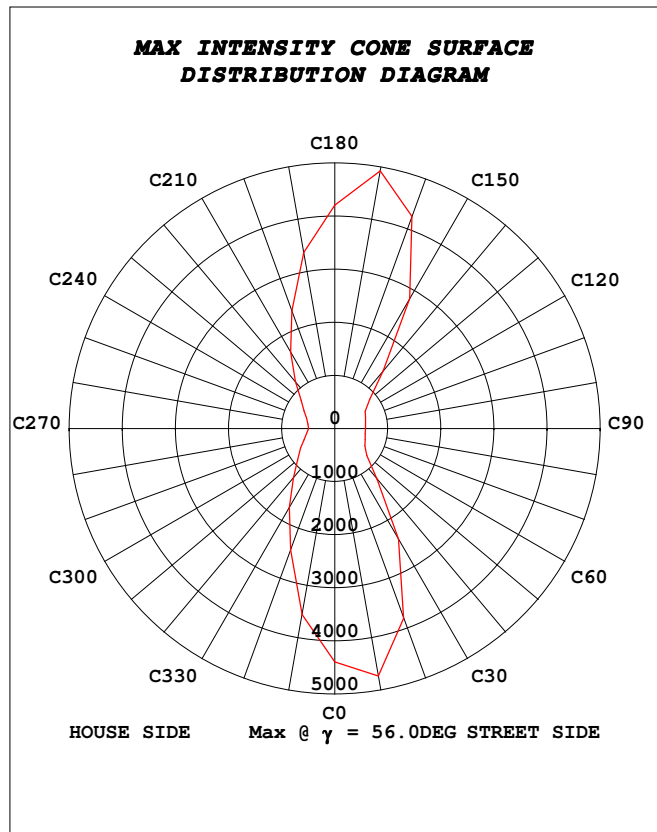
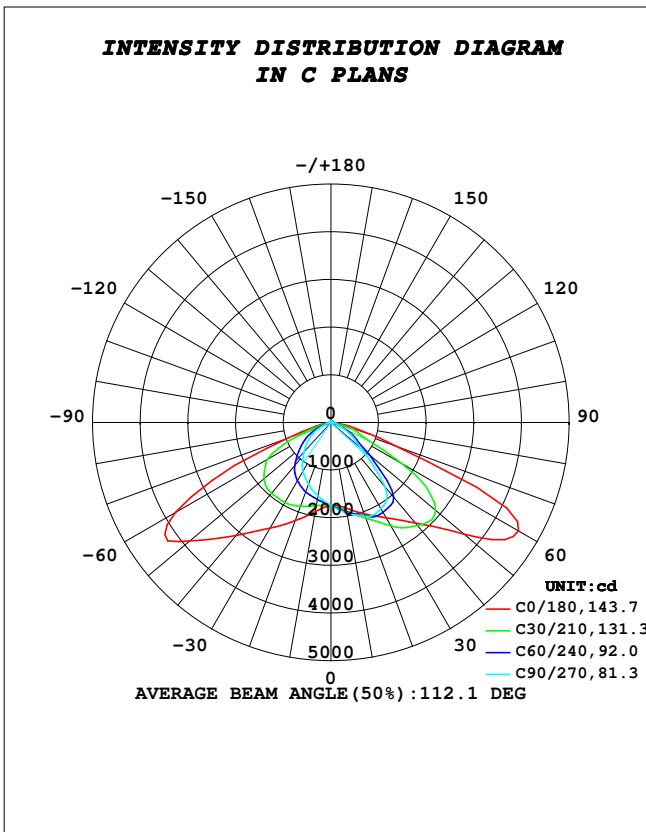
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Sebastian Vidal
Test Date: 2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 52.3-MIN: 41.2%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED
Driver CERTADRIVE 57W1.05A 0-10V
MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.02V I:0.2539A P:55.165W PF:0.9877 Freq:60.01Hz Lamp Flux:7509.03x1 lm		
NAME: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:64 LED 55W	DIM.: -----	SERIAL No.:24-0190-1
MFR.: ROY APLHA	SUR.:-----	Shielding Angle:-----

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.12 lm/W			
MODEL	4X16/740 VO	Imax(cd)	4927	η street_up(%)	0.5
NOMINAL POWER(W)	55	LOR(%)	100.0	η street_down(%)	56.2
RATED VOLTAGE(V)	-----	TOTAL FLUX(lm)	7509	η house_up(%)	0.7
NOMINAL FLUX(lm)	7509.03	MAXIMUM @ (C, γ)	170,56.0	η house_down(%)	42.6
LAMPS INSIDE	1	η up(%)	1.2	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	98.8	SLI	

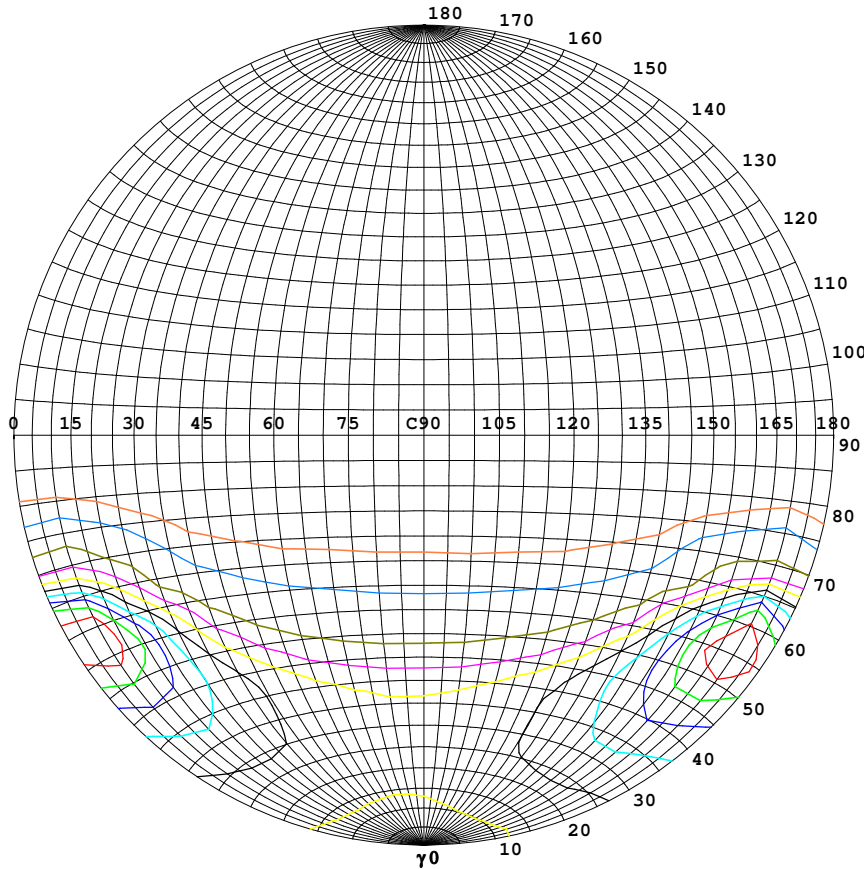


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MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

STREETLIGHT ISOCANDELA DIAGRAM

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Classification:

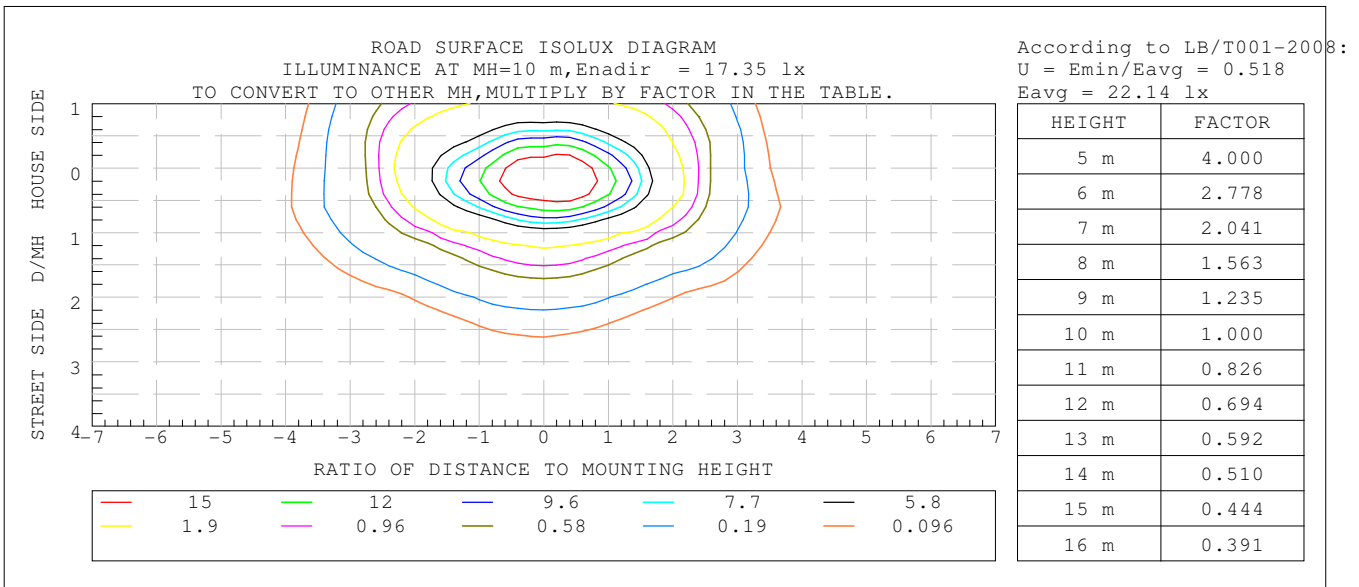
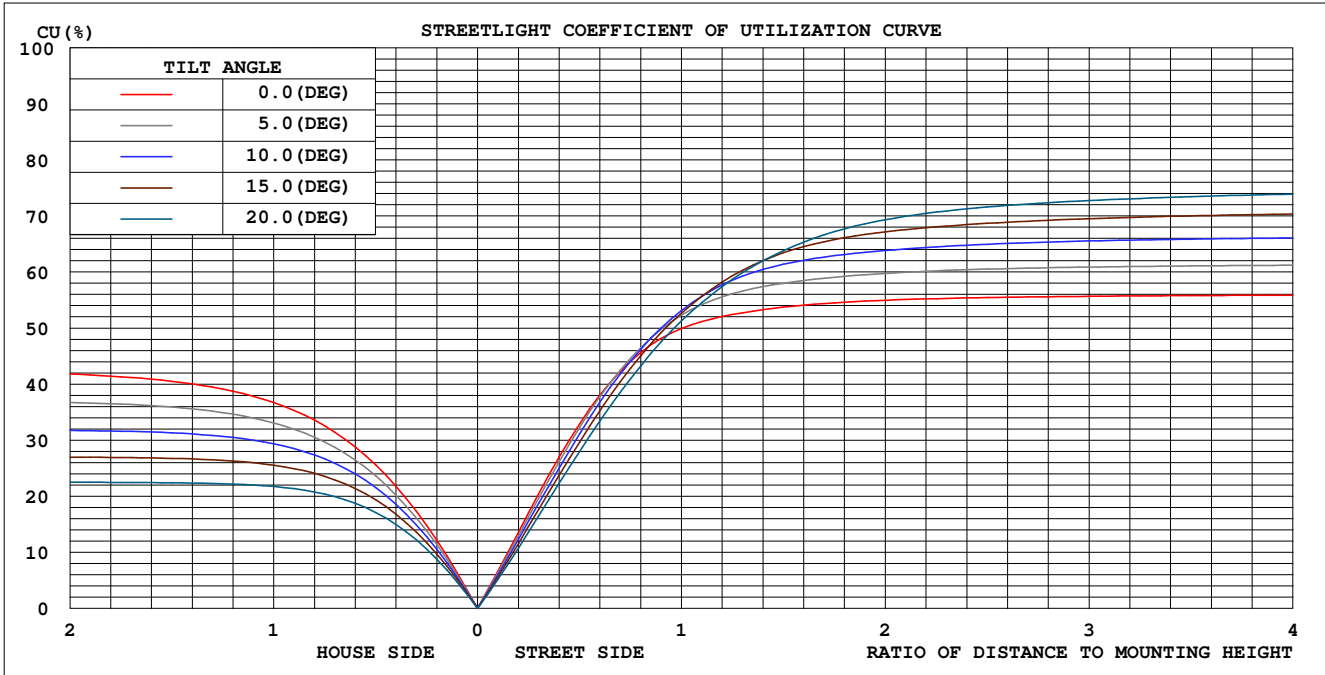
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:38.36cd/klm
 Max.At90:0.6931cd/klm
 Max.80-90:38.36cd/klm
 NRB 5101:Limited[8.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4927
90%	4434
80%	3941
70%	3449
60%	2956
50%	2463
40%	1971
30%	1478
20%	985
10%	493
5%	246

C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Sebastian Vidal
Test Date:2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:52.3-MIN:41.2%
Test Distance:7.080m [K=1.0000]
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LENTE: T01- T07 (3-1)

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



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Operators: Sebastian Vidal
Test Date: 2024-04-02

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 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
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MODULO FAST FLEX BOARD 4X16/740 VO
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ZONAL FLUX DIAGRAM

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SPEC.:64 LED 55W	DIM.: -----	SERIAL No.:24-0190-1
MFR.: ROY APLHA	SUR.:-----	Shielding Angle:-----

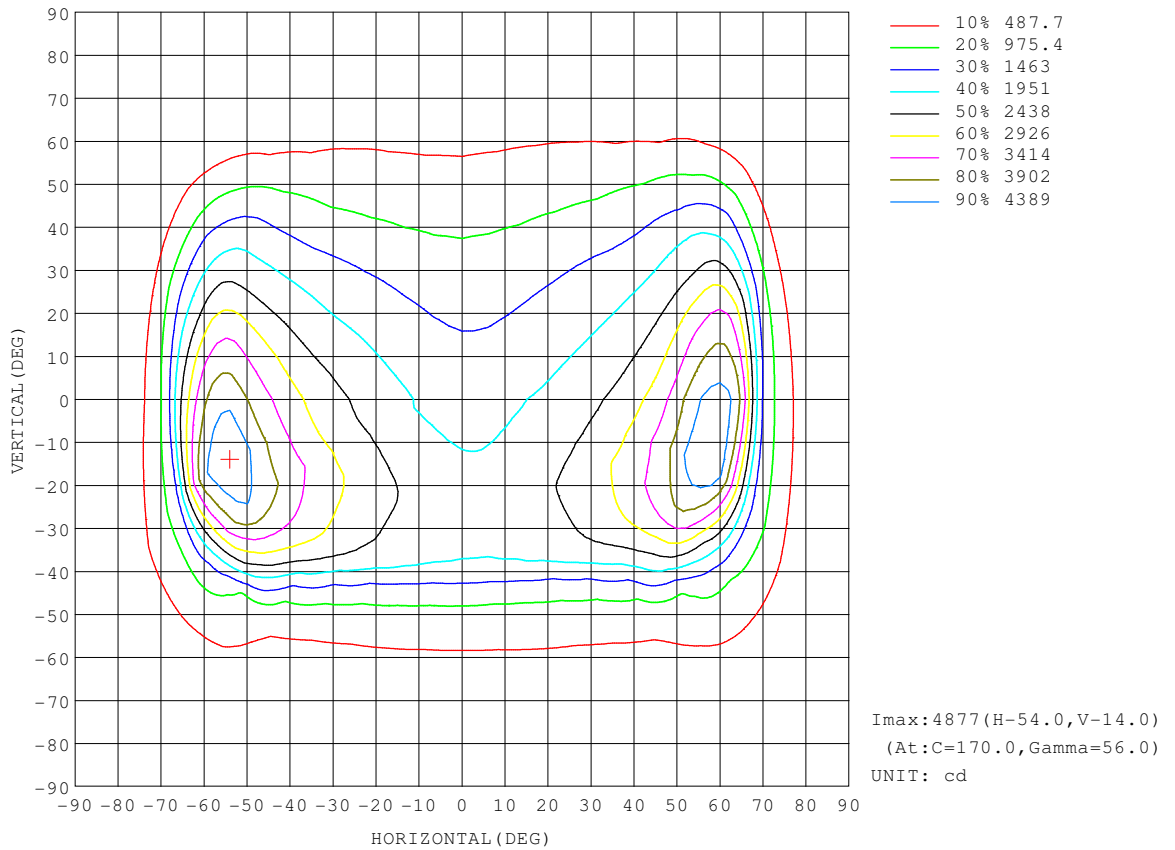
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	lum, lamp
10	1826	1898	1929	1988	1897	1708	1570	1656	0- 10	169.8	169.8	2.26,2.26
20	2042	2119	2094	2322	2192	1701	1384	1634	10- 20	532.2	701.9	9.35,9.35
30	2311	2374	2092	2662	2563	1647	1183	1589	20- 30	927.5	1629	21.7,21.7
40	2757	2424	1765	2726	3098	1507	898.1	1488	30- 40	1309	2938	39.1,39.1
50	3645	1711	805.0	2009	3874	1206	648.4	1248	40- 50	1554	4493	59.8,59.8
60	4543	708.2	425.9	720.0	3764	820.6	398.9	911.0	50- 60	1587	6080	81,81
70	1409	295.1	197.1	285.1	951.5	272.9	132.0	371.6	60- 70	1027	7106	94.6,94.6
80	288.1	66.43	68.18	50.04	98.98	42.77	36.00	65.83	70- 80	287.0	7393	98.5,98.5
90	4.814	2.038	0.7377	1.782	4.823	1.195	0.7848	1.217	80- 90	26.95	7420	98.8,98.8
100	10.16	3.754	1.707	3.983	14.83	4.102	2.094	4.196	90-100	3.954	7424	98.9,98.9
110	16.46	6.896	3.401	7.240	30.30	9.438	4.461	10.22	100-110	8.524	7433	99,99
120	26.65	10.85	6.072	11.07	34.63	15.44	8.730	17.41	110-120	13.73	7446	99.2,99.2
130	31.62	14.32	9.259	13.67	30.38	20.43	14.43	22.92	120-130	16.24	7463	99.4,99.4
140	27.71	16.46	12.31	14.35	27.82	21.83	20.11	25.88	130-140	15.53	7478	99.6,99.6
150	23.06	17.71	15.13	14.48	27.04	21.65	23.01	26.21	140-150	12.98	7491	99.8,99.8
160	20.26	19.01	17.34	15.74	25.11	23.13	24.36	25.58	150-160	9.687	7501	99.9,99.9
170	21.19	20.86	19.28	17.97	24.73	24.33	24.90	25.13	160-170	6.115	7507	100,100
180	24.91	23.28	22.30	22.32	24.91	23.28	22.30	22.32	170-180	2.135	7509	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 9.1 %								UNIT:lm			

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MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

ISOCANDELA DIAGRAM

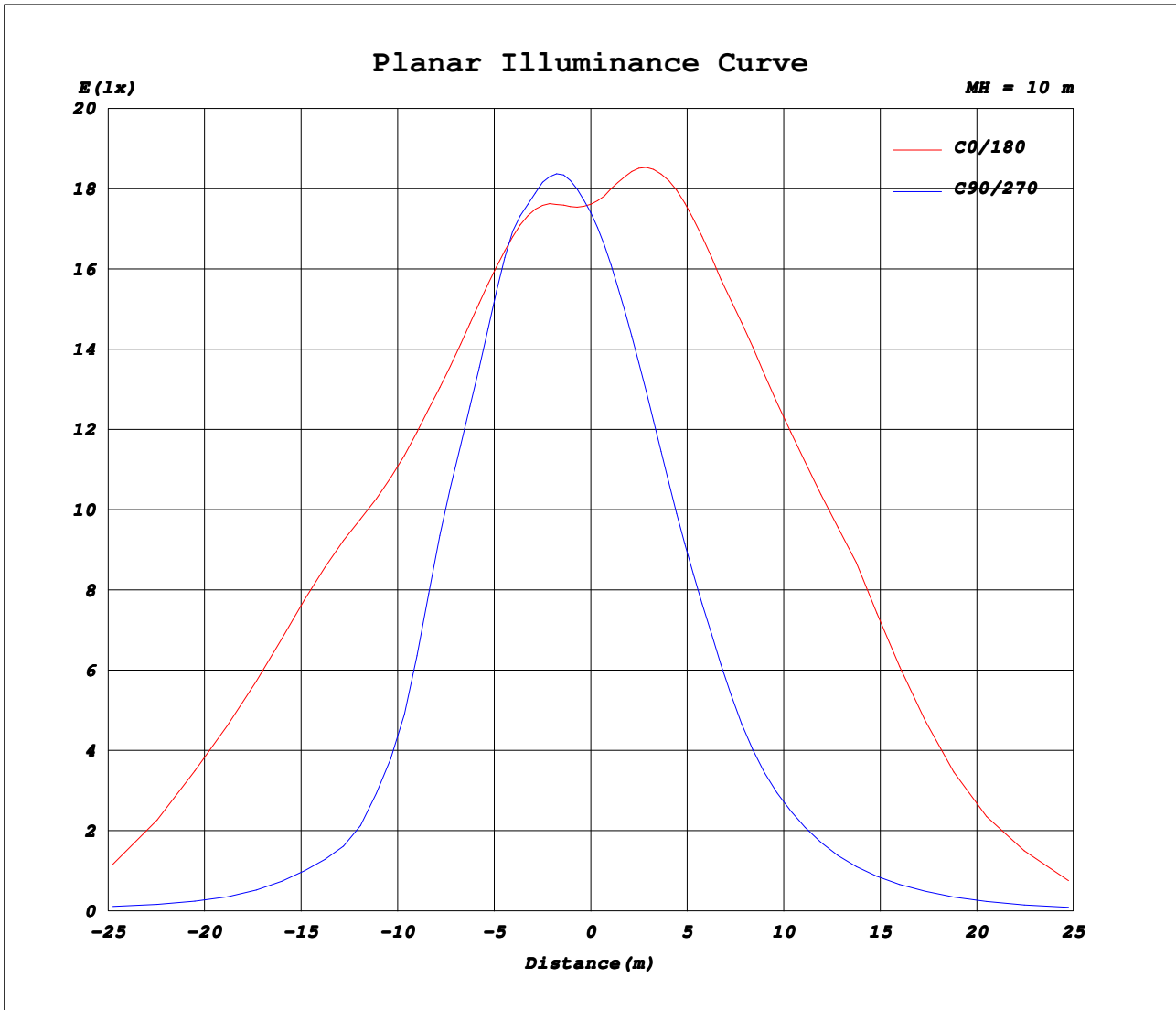
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MFR.: ROY APLHA	SUR.:-----	Shielding Angle:-----



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Planar Illuminance Curve



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Driver ADVANCE Certa Drive 57W 1.05A 0-10V DIMMING
MODULO FF BOARD 4X16/740 VO 4K
LENTE: T01-T07 (3-1)
ABLE Model : AP5P277MG

Test Distance: 7.080 metres
Test Temperature: 25±1°C degrees Celsius

Significance: ENSAYO FOTOMETRICO A LUMINARIAS
ROY ALPHA S.A
CALLE 15 No 32-598
Acopi Yumbo

Special Notes: EQUIPOS UTILIZADOS
Fotogoniómetro EQEN-023
Fuente de tensión INCO-011
Luxometro INME-039
Flexometro INME-041
Controlador de temperatura INME-046
Analizador de potencia INME-013
Datalogger INME-062-3
El presente reporte de pruebas no se debe reproducir en forma parcial,
sin la aprobación del Laboratorio de ensayos de Roy Alpha.

Realizó/revisó Realizó Revisó
Sebastian Vidal. Luis Asprilla.

Testing Procedure: Las prueba fue realizada de acuerdo con la norma LM 79 de 2019.
Tiempo de estabilizacion: 0:35':0"
Tiempo de ensayo: 0:20':24"

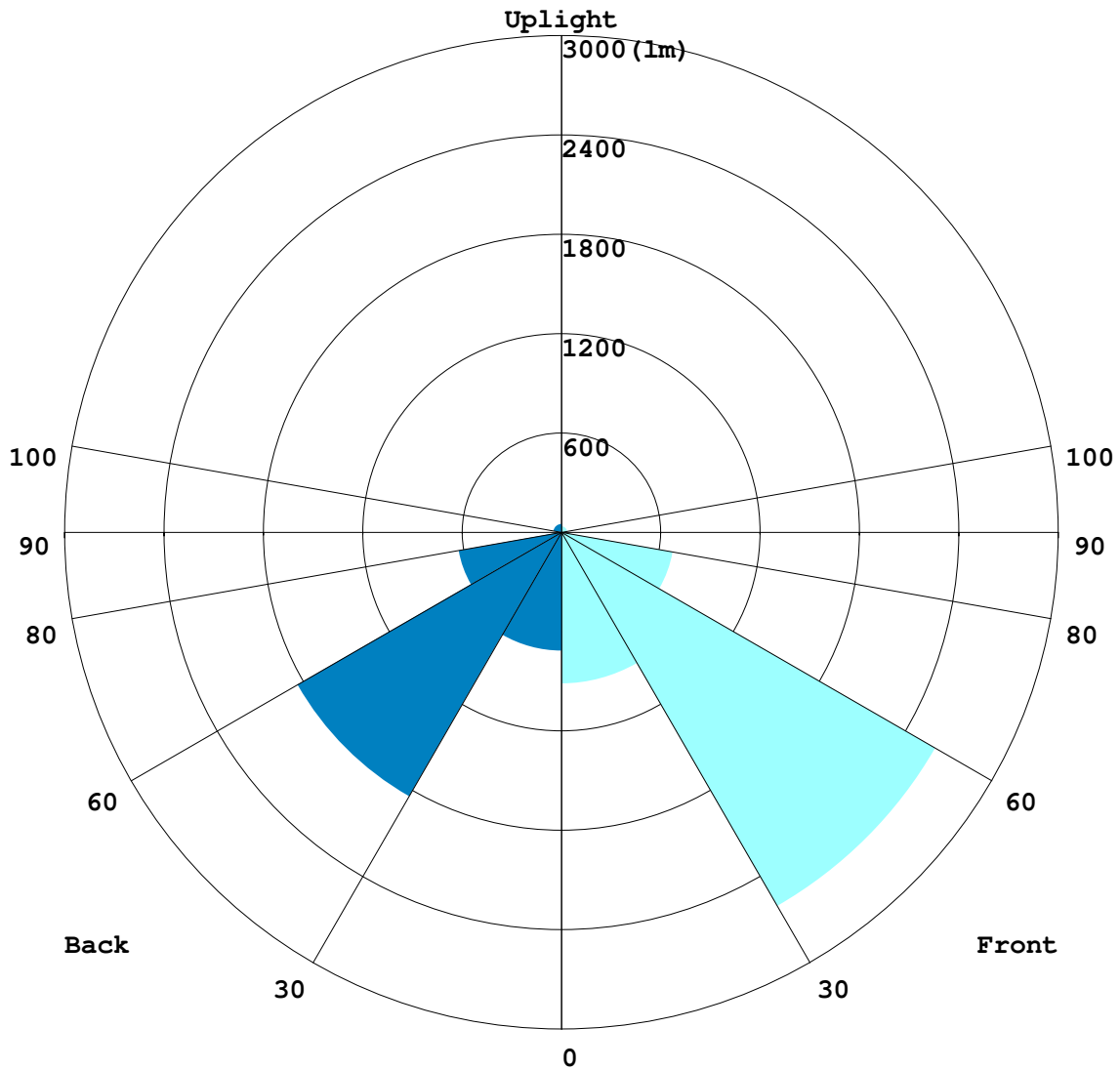
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LCS REPORT

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LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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BUG REPORT

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IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	914.14	12.2
FM - Front-Medium(30-60)	2608.3	34.7
FH - Front-High(60-80)	682.55	9.1
FVH - Front-Very High(80-90)	16.889	0.2
Total Forward Light	4259.1	56.7

BL - Back-Low(0-30)	715.31	9.5
BM - Back-Medium(30-60)	1841.9	24.5
BH - Back-High(60-80)	631.05	8.4
BVH - Back-Very High(80-90)	10.059	0.1
Total Back Light	3250	43.3

UL - Uplight-Low(90-100)	3.9543	0.1
UH - Uplight-High(100-180)	84.939	1.1
Total Up Light	88.893	1.2

BUG (Back, Up, Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3198.3	51.673	3250
Street Side	4221.8	37.22	4259.1

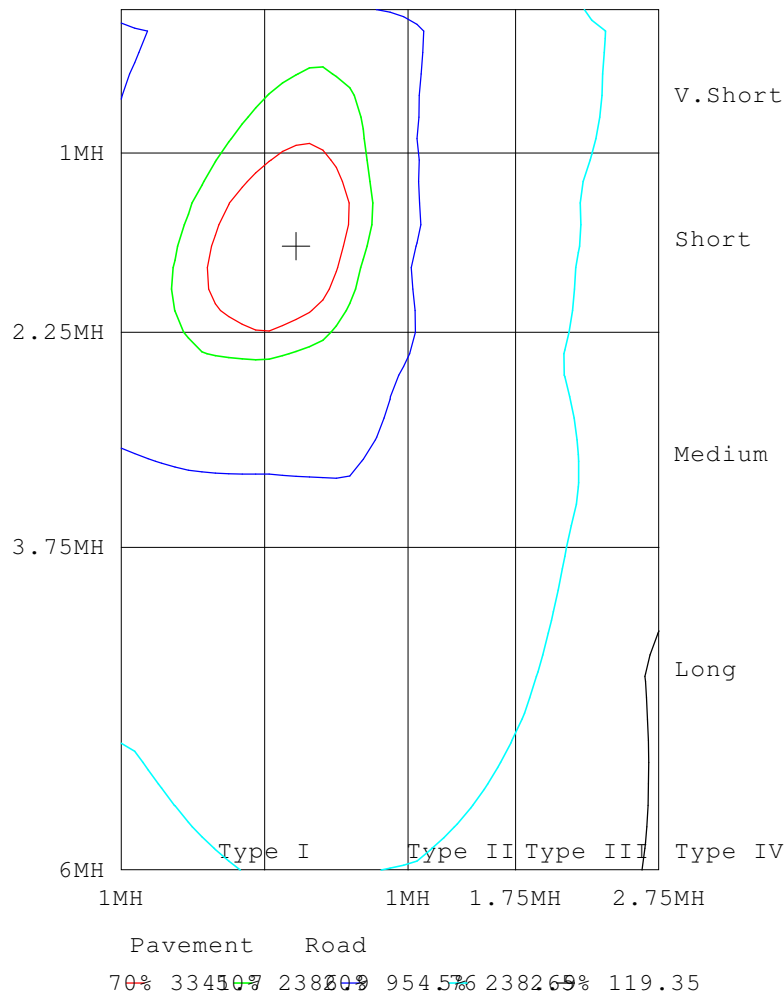
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ROAD ISOCANDELA REPORT

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MFR.: ROY APLHA	SUR.:-----	Shielding Angle:-----

ROAD SURFACE ISOCANDELA DIAGRAM



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Temperature: 25±1°CDEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745
5	1750	1761	1773	1779	1788	1796	1802	1807	1813	1817	1821	1823	1823	1822	1818	1811	1804	1791	1778
10	1826	1850	1874	1885	1897	1900	1905	1908	1916	1929	1943	1962	1978	1985	1990	1978	1961	1930	1897
15	1907	1940	1972	1981	1986	1977	1972	1969	1974	1993	2017	2049	2081	2107	2126	2120	2100	2053	2007
20	2042	2094	2130	2138	2132	2105	2084	2068	2074	2094	2132	2180	2240	2298	2346	2353	2336	2268	2192
25	2138	2207	2253	2261	2252	2219	2172	2131	2119	2142	2185	2263	2353	2440	2501	2529	2512	2431	2333
30	2311	2421	2497	2510	2442	2306	2179	2101	2072	2092	2143	2245	2388	2571	2753	2827	2819	2705	2563
35	2455	2603	2708	2667	2502	2313	2156	2060	2025	2042	2099	2213	2375	2586	2831	3033	3065	2921	2738
40	2757	2978	3049	2826	2549	2300	2056	1883	1770	1765	1817	2006	2259	2551	2902	3252	3495	3357	3098
45	3021	3298	3266	2915	2522	2101	1692	1452	1324	1322	1364	1549	1877	2388	2908	3375	3774	3703	3370
50	3645	3937	3642	2867	2047	1374	1053	894	804	805	830	956	1146	1557	2461	3390	4211	4389	3874
55	4184	4513	3853	2586	1514	969	724	670	640	639	649	687	753	1089	1762	3101	4390	4924	4236
60	4543	4715	3088	1683	815	601	522	475	432	426	433	470	513	595	845	2009	3471	4552	3764
65	4109	3584	2070	897	583	460	366	327	300	297	298	321	359	439	566	875	2110	3491	2771
70	1409	1373	921	589	338	252	205	198	195	197	185	189	196	236	334	613	877	1091	951
75	757	859	640	391	195	153	142	137	139	136	123	127	128	131	171	383	527	629	463
80	288	282	199	99.8	66.4	66.4	62.5	66.4	70.9	68.2	60.8	54.7	51.0	50.5	49.6	69.7	112	164	99.0
85	81.1	50.3	40.1	31.9	26.2	27.4	25.9	29.8	34.1	31.8	27.7	21.4	17.5	16.5	14.0	13.5	12.2	13.0	11.4
90	4.81	4.62	3.81	2.98	2.28	1.80	1.43	1.36	1.26	0.74	1.04	1.05	1.19	1.49	2.08	2.96	4.15	5.20	4.82
95	6.73	6.21	5.05	3.74	2.77	1.96	1.46	1.19	1.06	1.03	1.07	1.23	1.51	2.05	2.97	4.20	5.85	7.24	8.02
100	10.2	9.34	7.68	5.80	4.34	3.17	2.41	1.94	1.74	1.71	1.78	2.00	2.49	3.31	4.66	6.45	8.72	10.6	14.8
105	12.6	11.5	9.63	7.41	5.60	4.18	3.22	2.60	2.34	2.31	2.38	2.67	3.30	4.32	6.00	8.22	10.9	12.9	20.5
110	16.5	15.3	13.2	10.3	7.88	5.91	4.68	3.81	3.40	3.40	3.45	3.87	4.73	6.07	8.41	11.5	14.9	17.0	30.3
115	19.6	18.4	16.0	12.6	9.58	7.24	5.81	4.78	4.29	4.36	4.33	4.84	5.85	7.43	10.1	14.0	18.3	20.8	34.3
120	26.6	24.1	20.4	16.0	12.3	9.43	7.64	6.42	5.95	6.07	5.95	6.43	7.65	9.55	12.6	16.9	22.6	27.4	34.6
125	30.3	26.9	22.4	17.8	13.9	10.9	8.90	7.60	7.23	7.33	7.20	7.54	8.80	10.8	13.9	18.1	23.7	29.1	33.0
130	31.6	28.2	23.8	19.5	15.9	12.8	10.7	9.46	9.22	9.26	9.15	9.21	10.3	12.3	15.1	18.8	23.5	28.3	30.4
135	30.3	27.7	24.1	20.3	16.8	13.9	11.9	10.7	10.5	10.5	10.4	10.3	11.2	12.9	15.3	18.4	22.2	26.2	29.1
140	27.7	26.1	23.5	20.5	17.7	15.3	13.6	12.5	12.5	12.3	12.3	11.9	12.3	13.5	15.2	17.4	19.9	22.8	27.8
145	25.8	24.7	22.7	20.3	18.0	16.1	14.6	13.8	13.7	13.5	13.4	13.0	13.0	13.8	15.0	16.6	18.5	20.9	27.6
150	23.1	22.4	21.2	19.8	18.4	17.0	16.1	15.6	15.4	15.1	14.9	14.5	14.2	14.2	14.8	15.7	16.9	18.5	27.0
155	21.5	21.3	20.5	19.5	18.6	17.6	17.1	16.6	16.3	16.1	15.7	15.4	14.9	14.7	14.8	15.3	16.1	17.3	26.3
160	20.3	20.1	19.8	19.4	19.2	18.8	18.3	18.0	17.6	17.3	16.9	16.5	16.1	15.8	15.7	15.6	15.7	16.3	25.1
165	20.1	20.1	20.1	20.1	19.9	19.5	19.1	18.8	18.4	18.1	17.7	17.3	16.9	16.6	16.4	16.3	16.3	16.8	24.7
170	21.2	21.3	21.4	21.3	21.0	20.7	20.1	19.8	19.5	19.3	19.0	18.6	18.2	18.0	18.0	18.0	18.0	18.4	24.7
175	22.4	22.5	22.6	22.2	21.8	21.4	20.7	20.5	20.2	20.1	19.9	19.7	19.5	19.3	19.2	19.3	19.5	20.0	25.0
180	24.9	24.8	24.3	23.9	23.5	23.1	22.6	22.5	22.3	22.3	22.2	22.3	22.2	22.3	22.4	22.5	22.6	23.0	24.9

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Sebastian Vidal
Test Date: 2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 52.3-MIN: 41.2%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED
Driver CERTADRIVE 57W1.05A 0-10V
MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.02V I:0.2539A P:55.165W PF:0.9877 Freq:60.01Hz Lamp Flux:7509.03x1 lm		
NAME: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:64 LED 55W	DIM.: -----	SERIAL No.:24-0190-1
MFR.: ROY APLHA	SUR.:-----	Shielding Angle:-----

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745		
5	1768	1752	1739	1725	1713	1701	1689	1681	1677	1675	1678	1682	1691	1702	1712	1725	1740		
10	1865	1820	1777	1730	1685	1642	1606	1581	1570	1570	1583	1604	1638	1674	1717	1757	1798		
15	1954	1885	1815	1740	1671	1605	1552	1516	1499	1502	1524	1562	1615	1675	1741	1802	1862		
20	2102	1989	1871	1754	1649	1551	1466	1410	1384	1393	1434	1502	1588	1680	1784	1882	1975		
25	2210	2062	1906	1758	1622	1501	1400	1333	1303	1318	1368	1454	1563	1683	1809	1933	2052		
30	2377	2159	1938	1737	1556	1411	1292	1214	1183	1207	1274	1377	1511	1667	1835	2004	2179		
35	2496	2204	1940	1706	1499	1344	1207	1116	1083	1119	1205	1324	1468	1645	1844	2054	2277		
40	2732	2299	1943	1636	1377	1182	1025	928	898	943	1047	1201	1380	1597	1848	2133	2475		
45	2920	2367	1925	1552	1247	1046	901	819	795	840	935	1086	1282	1540	1842	2193	2651		
50	3213	2414	1836	1370	1041	858	741	669	648	694	785	916	1103	1393	1787	2318	3051		
55	3384	2401	1726	1233	906	737	629	569	549	593	674	804	981	1272	1741	2408	3406		
60	2984	2192	1538	975	666	545	464	416	399	438	507	610	761	1061	1603	2403	3724		
65	2204	1764	1210	700	474	407	350	311	291	329	382	460	571	852	1391	2215	3423		
70	1050	851	571	322	223	189	159	131	132	151	190	241	292	451	860	1452	1625		
75	428	389	273	174	120	100	83.8	87.3	84.1	95.8	109	127	155	262	450	744	734		
80	92.4	62.6	52.1	46.7	38.8	32.5	30.5	41.0	36.0	44.6	38.4	44.4	57.0	74.7	119	146	199		
85	10.2	9.61	8.06	7.91	7.04	7.73	7.92	11.5	9.90	14.9	11.2	12.7	14.5	19.7	25.3	30.5	37.9		
90	4.49	3.34	2.22	1.37	1.02	0.87	0.81	0.81	0.78	0.78	0.79	0.84	1.02	1.41	2.19	3.08	3.70		
95	7.62	5.84	3.95	2.39	1.68	1.36	1.28	1.25	1.23	1.21	1.22	1.29	1.59	2.31	3.72	5.08	5.97		
100	14.2	11.2	7.84	4.89	3.31	2.49	2.23	2.10	2.09	2.07	2.19	2.48	3.36	5.03	7.72	10.3	12.0		
105	19.6	15.5	11.0	7.12	4.87	3.59	3.09	2.86	2.85	2.84	3.11	3.69	5.13	7.51	11.1	14.8	17.1		
110	28.7	22.6	16.2	11.1	7.82	5.82	4.90	4.45	4.46	4.45	5.06	6.24	8.51	11.9	17.0	22.8	26.7		
115	33.1	26.8	19.7	13.8	10.1	7.67	6.45	5.86	5.93	5.89	6.73	8.36	11.2	15.2	21.2	28.2	32.7		
120	34.2	29.7	23.3	17.5	13.4	10.7	9.16	8.55	8.73	8.58	9.61	11.7	15.2	19.6	26.0	32.3	36.1		
125	32.8	29.6	24.7	19.6	15.6	12.7	11.1	10.6	10.8	10.6	11.6	13.9	17.6	22.2	27.8	32.9	35.6		
130	30.2	28.6	25.7	22.2	18.7	15.8	14.3	14.1	14.4	14.1	14.8	17.2	20.8	25.1	29.3	32.3	33.7		
135	28.5	27.3	25.4	22.9	20.2	17.7	16.5	16.7	16.9	16.6	17.1	19.2	22.7	26.2	29.8	31.7	32.3		
140	26.7	25.4	24.0	22.6	21.0	19.7	19.3	19.9	20.1	20.0	20.0	21.6	24.4	27.3	29.5	30.5	30.2		
145	26.3	24.8	23.4	22.1	21.1	20.3	20.6	21.3	21.6	21.8	21.6	22.7	25.0	27.5	29.2	29.8	29.3		
150	26.1	24.7	23.3	22.1	21.2	21.2	22.0	22.6	23.0	23.5	23.3	23.6	25.3	27.2	28.5	28.6	28.4		
155	25.6	24.6	23.4	22.4	21.8	21.9	22.7	23.1	23.6	24.0	24.0	24.2	25.1	26.7	27.7	27.8	27.6		
160	24.7	24.2	23.6	23.2	23.1	23.2	23.7	24.0	24.4	24.7	25.0	25.0	25.3	25.9	26.2	26.4	26.2		
165	24.4	24.1	23.8	23.7	23.9	24.0	24.3	24.5	24.8	25.1	25.5	25.4	25.4	25.5	25.6	25.5	25.5		
170	24.3	24.2	24.2	24.3	24.4	24.3	24.6	24.7	24.9	25.0	25.2	25.2	25.2	25.1	24.9	24.8	24.7		
175	24.6	24.3	24.1	24.0	23.9	23.8	23.9	24.0	24.0	24.0	24.1	24.1	24.2	24.2	24.1	24.0	24.1		
180	24.8	24.3	23.9	23.5	23.1	22.6	22.5	22.4	22.3	22.2	22.2	22.2	22.3	22.4	22.5	22.6	23.0		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Sebastian Vidal
Test Date: 2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 52.3-MIN: 41.2%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED
Driver CERTADRIVE 57W1.05A 0-10V
MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

Photometric Data Table [cd]

G/C	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
0.0	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745
2.0	1743	1747	1755	1759	1764	1767	1771	1774	1777	1779
4.0	1750	1761	1773	1779	1788	1796	1802	1807	1813	1817
6.0	1768	1782	1797	1807	1820	1825	1835	1841	1849	1855
8.0	1794	1812	1832	1843	1855	1861	1868	1875	1883	1894
10.0	1826	1850	1874	1885	1897	1900	1905	1908	1916	1929
12.0	1866	1894	1921	1932	1941	1940	1937	1937	1944	1961
14.0	1907	1940	1972	1981	1986	1977	1972	1969	1974	1993
16.0	1950	1991	2022	2032	2031	2019	2006	1998	2001	2019
18.0	1996	2041	2075	2081	2079	2060	2041	2030	2034	2053
20.0	2042	2094	2130	2138	2132	2105	2084	2068	2074	2094
22.0	2088	2147	2188	2197	2188	2160	2134	2111	2108	2131
24.0	2138	2207	2253	2261	2252	2219	2172	2131	2119	2142
26.0	2191	2271	2327	2334	2326	2266	2189	2133	2111	2134
28.0	2249	2341	2408	2418	2392	2291	2188	2119	2093	2113
30.0	2311	2421	2497	2510	2442	2306	2179	2101	2072	2092
32.0	2378	2507	2602	2596	2474	2311	2168	2081	2048	2068
34.0	2455	2603	2708	2667	2502	2313	2156	2060	2025	2042
36.0	2540	2712	2822	2722	2522	2316	2146	2041	1987	1998
38.0	2641	2837	2939	2775	2535	2317	2124	1994	1913	1918
40.0	2757	2978	3049	2826	2549	2300	2056	1883	1770	1765
42.0	2881	3131	3156	2876	2554	2238	1910	1700	1562	1555
44.0	3021	3298	3266	2915	2522	2101	1692	1452	1324	1322
46.0	3192	3487	3383	2939	2430	1893	1431	1229	1132	1136
48.0	3398	3699	3511	2923	2274	1625	1215	1064	982.2	982.5
50.0	3645	3937	3642	2867	2047	1374	1053	894.2	804.0	805.0
52.0	3921	4229	3767	2768	1785	1158	866.8	739.3	696.4	697.4
54.0	4184	4513	3853	2586	1514	969.2	724.3	669.6	639.7	638.7
56.0	4397	4732	3804	2404	1246	787.7	656.3	611.6	585.9	579.6
58.0	4517	4805	3541	2106	1030	670.6	592.2	549.7	511.9	503.5
60.0	4543	4715	3088	1683	814.6	601.5	522.4	474.7	431.5	425.9
62.0	4435	4308	2525	1256	664.7	531.7	442.5	397.6	354.4	349.9
64.0	4109	3584	2070	897.2	583.0	459.7	365.8	327.0	300.3	297.1
66.0	3348	2747	1581	739.6	504.4	384.3	300.0	276.3	259.3	257.7
68.0	2204	1912	1250	665.4	419.9	308.8	248.0	237.4	227.9	227.4
70.0	1409	1373	920.5	589.3	338.4	251.8	205.3	198.5	194.8	197.1
72.0	1080	1088	792.5	495.0	262.5	194.8	171.8	166.3	165.6	167.3
74.0	757.4	859.2	640.2	390.6	194.9	153.3	142.4	137.2	138.8	135.8
76.0	565.6	623.9	459.3	279.0	139.3	118.0	114.0	110.4	116.2	110.9
78.0	411.1	428.9	310.5	167.7	102.9	89.84	85.62	87.99	93.63	89.66
80.0	288.1	282.3	198.6	99.83	66.43	66.44	62.52	66.42	70.91	68.18
82.0	149.6	136.0	119.2	60.66	44.96	45.56	42.84	46.74	51.20	48.90
84.0	81.09	50.30	40.06	31.89	26.23	27.39	25.91	29.76	34.14	31.83
86.0	13.01	13.32	12.24	12.78	11.56	12.92	12.61	15.72	17.14	15.29
88.0	6.489	6.793	5.740	5.167	4.262	4.194	3.857	5.406	5.356	0.8795
90.0	4.814	4.623	3.814	2.976	2.276	1.799	1.430	1.359	1.255	0.7377
92.0	5.616	5.228	4.257	3.154	2.334	1.649	1.227	1.012	0.8979	0.8624
94.0	6.729	6.206	5.047	3.740	2.766	1.962	1.458	1.192	1.056	1.030
96.0	7.872	7.236	5.886	4.387	3.244	2.318	1.740	1.404	1.257	1.226
98.0	9.020	8.290	6.770	5.080	3.767	2.725	2.051	1.661	1.482	1.447
100.0	10.16	9.335	7.676	5.802	4.339	3.168	2.414	1.944	1.744	1.707
102.0	11.34	10.40	8.620	6.581	4.957	3.656	2.802	2.257	2.033	1.991
104.0	12.56	11.53	9.630	7.412	5.604	4.181	3.219	2.600	2.337	2.307
106.0	13.83	12.70	10.72	8.304	6.323	4.730	3.670	2.978	2.670	2.642
108.0	15.13	13.93	11.90	9.279	7.084	5.309	4.159	3.370	3.018	3.010
110.0	16.46	15.28	13.19	10.31	7.880	5.911	4.680	3.805	3.404	3.401
112.0	17.88	16.74	14.57	11.43	8.713	6.558	5.228	4.277	3.826	3.855
114.0	19.57	18.45	16.05	12.62	9.582	7.245	5.809	4.777	4.293	4.355
116.0	21.73	20.34	17.58	13.82	10.48	7.964	6.412	5.318	4.804	4.896
118.0	24.21	22.26	19.06	14.97	11.39	8.697	7.024	5.858	5.362	5.469
120.0	26.65	24.09	20.39	16.01	12.28	9.430	7.641	6.424	5.950	6.072
122.0	28.72	25.63	21.50	16.96	13.13	10.16	8.270	7.003	6.580	6.693
124.0	30.28	26.85	22.41	17.78	13.89	10.87	8.896	7.597	7.227	7.330
126.0	31.25	27.67	23.08	18.46	14.61	11.53	9.513	8.223	7.885	7.981
128.0	31.69	28.11	23.55	19.04	15.28	12.17	10.14	8.839	8.555	8.619
130.0	31.62	28.18	23.83	19.55	15.87	12.78	10.74	9.457	9.221	9.259
132.0	31.12	28.00	24.00	19.96	16.38	13.35	11.35	10.06	9.881	9.894
134.0	30.35	27.66	24.07	20.27	16.80	13.89	11.92	10.65	10.54	10.52
136.0	29.50	27.24	24.01	20.45	17.15	14.37	12.49	11.26	11.18	11.12
138.0	28.62	26.72	23.83	20.52	17.43	14.83	13.04	11.90	11.82	11.72
140.0	27.71	26.13	23.54	20.50	17.66	15.26	13.57	12.55	12.46	12.31
142.0	26.78	25.45	23.15	20.41	17.84	15.67	14.09	13.19	13.09	12.90
144.0	25.85	24.71	22.69	20.26	17.98	16.07	14.58	13.81	13.70	13.47
146.0	24.91	23.93	22.18	20.09	18.10	16.43	15.07	14.43	14.29	14.03

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Sebastian Vidal
Test Date: 2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 52.3-MIN: 41.2%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED
Driver CERTADRIIVE 57W1.05A 0-10V
MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)

Photometric Data Table [cd]

148.0	23.98	23.15	21.66	19.91	18.24	16.75	15.57	15.03	14.86	14.60
150.0	23.06	22.39	21.21	19.76	18.36	17.05	16.10	15.59	15.38	15.13
152.0	22.15	21.68	20.85	19.65	18.47	17.31	16.59	16.12	15.87	15.60
154.0	21.53	21.26	20.51	19.54	18.58	17.61	17.06	16.61	16.33	16.06
156.0	21.15	20.88	20.22	19.45	18.69	18.02	17.49	17.10	16.77	16.48
158.0	20.70	20.47	19.95	19.39	18.90	18.41	17.88	17.56	17.20	16.91
160.0	20.26	20.10	19.76	19.44	19.24	18.78	18.29	18.00	17.60	17.34
162.0	19.95	19.89	19.78	19.74	19.55	19.14	18.70	18.43	17.99	17.73
164.0	20.06	20.06	20.07	20.09	19.89	19.50	19.10	18.80	18.37	18.12
166.0	20.32	20.37	20.43	20.47	20.24	19.88	19.45	19.14	18.73	18.51
168.0	20.70	20.76	20.89	20.87	20.62	20.28	19.80	19.46	19.09	18.87
170.0	21.19	21.26	21.42	21.30	21.05	20.68	20.10	19.80	19.46	19.28
172.0	21.76	21.84	21.98	21.76	21.47	21.03	20.41	20.16	19.84	19.67
174.0	22.44	22.51	22.57	22.22	21.84	21.38	20.75	20.53	20.23	20.10
176.0	23.14	23.20	23.06	22.69	22.24	21.76	21.15	20.96	20.69	20.58
178.0	24.00	24.04	23.77	23.34	22.88	22.43	21.84	21.70	21.49	21.41
180.0	24.91	24.76	24.32	23.88	23.46	23.09	22.58	22.52	22.35	22.30
G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745
2.0	1781	1782	1782	1780	1778	1773	1769	1763	1757	1751
4.0	1821	1823	1823	1822	1818	1811	1804	1791	1778	1768
6.0	1863	1868	1871	1871	1869	1859	1850	1830	1812	1794
8.0	1905	1915	1923	1927	1927	1915	1902	1876	1852	1828
10.0	1943	1962	1978	1985	1990	1978	1961	1930	1897	1865
12.0	1980	2006	2029	2047	2058	2047	2029	1989	1951	1908
14.0	2017	2049	2081	2107	2126	2120	2100	2053	2007	1954
16.0	2049	2091	2135	2172	2198	2196	2174	2121	2067	2001
18.0	2086	2130	2185	2236	2272	2274	2253	2193	2128	2050
20.0	2132	2180	2240	2298	2346	2353	2336	2268	2192	2102
22.0	2170	2233	2303	2365	2421	2441	2423	2348	2262	2156
24.0	2185	2263	2353	2440	2501	2529	2512	2431	2333	2210
26.0	2182	2273	2383	2503	2592	2621	2611	2518	2407	2266
28.0	2163	2262	2394	2548	2683	2720	2711	2610	2482	2321
30.0	2143	2245	2388	2571	2753	2827	2819	2705	2563	2377
32.0	2122	2231	2381	2581	2801	2937	2936	2808	2647	2435
34.0	2099	2213	2375	2586	2831	3033	3065	2921	2738	2496
36.0	2053	2186	2369	2587	2854	3111	3207	3056	2846	2566
38.0	1973	2120	2340	2589	2875	3182	3357	3205	2969	2647
40.0	1817	2006	2259	2551	2902	3252	3495	3357	3098	2732
42.0	1603	1807	2112	2512	2920	3318	3635	3518	3227	2823
44.0	1364	1549	1877	2388	2908	3375	3774	3703	3370	2920
46.0	1170	1318	1583	2177	2838	3413	3924	3910	3528	3015
48.0	1012	1131	1336	1876	2696	3423	4070	4134	3701	3115
50.0	829.6	956.1	1146	1557	2461	3390	4211	4389	3874	3213
52.0	711.6	777.8	940.5	1303	2139	3290	4325	4668	4060	3306
54.0	649.3	686.9	752.8	1089	1762	3101	4390	4924	4236	3384
56.0	589.9	618.1	662.2	861.8	1420	2829	4253	4927	4208	3369
58.0	513.2	550.0	587.8	684.3	1132	2419	3927	4808	4057	3237
60.0	432.6	470.1	512.9	595.2	844.9	2009	3471	4552	3764	2984
62.0	353.8	391.4	436.5	519.4	655.0	1430	2812	4234	3321	2602
64.0	297.6	320.8	359.2	439.4	566.3	874.8	2110	3491	2771	2204
66.0	255.5	269.0	290.4	365.9	486.2	747.4	1511	2481	2218	1835
68.0	221.9	228.7	238.4	297.3	409.0	678.8	1193	1474	1443	1423
70.0	185.3	188.5	195.9	236.3	334.0	612.6	876.7	1091	951.5	1050
72.0	154.6	155.8	157.9	175.4	248.5	514.9	697.3	826.9	662.8	676.8
74.0	122.9	127.1	127.6	130.9	171.5	383.1	526.6	629.0	463.2	427.5
76.0	99.51	99.43	98.63	97.02	123.2	256.6	372.5	488.7	321.1	251.9
78.0	79.41	75.79	73.09	71.37	75.29	130.6	233.1	326.1	209.8	157.8
80.0	60.84	54.70	51.00	50.52	49.55	69.70	112.2	163.6	98.98	92.40
82.0	44.30	36.52	32.69	32.38	30.03	34.04	41.40	48.73	35.02	27.30
84.0	27.68	21.36	17.48	16.46	13.98	13.50	12.20	13.01	11.37	10.20
86.0	12.84	9.785	6.976	5.991	5.167	5.607	5.766	6.452	5.276	4.560
88.0	3.573	2.709	2.105	2.167	2.301	2.896	3.720	4.570	3.871	3.556
90.0	1.037	1.055	1.190	1.487	2.078	2.956	4.154	5.205	4.823	4.491
92.0	0.9007	1.036	1.270	1.709	2.495	3.538	4.967	6.192	6.277	5.907
94.0	1.075	1.232	1.515	2.048	2.971	4.201	5.848	7.237	8.022	7.620
96.0	1.289	1.454	1.805	2.432	3.478	4.914	6.768	8.326	10.06	9.600
98.0	1.516	1.717	2.127	2.849	4.045	5.654	7.726	9.441	12.35	11.81
100.0	1.778	1.998	2.490	3.311	4.656	6.455	8.722	10.57	14.83	14.19
102.0	2.069	2.321	2.881	3.797	5.309	7.303	9.741	11.73	17.54	16.79
104.0	2.379	2.666	3.297	4.323	6.002	8.218	10.85	12.93	20.52	19.57
106.0	2.710	3.048	3.741	4.881	6.756	9.232	12.06	14.18	23.71	22.52
108.0	3.062	3.445	4.217	5.458	7.568	10.32	13.39	15.52	27.05	25.64
110.0	3.453	3.872	4.733	6.073	8.408	11.53	14.91	16.96	30.30	28.74

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25±1°CDEG

Operators: Sebastian Vidal

Test Date: 2024-04-02

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10

Humidity: MAX: 52.3-MIN: 41.2%

Test Distance: 7.080m [K=1.0000]

Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED

Driver CERTADRIVE 57W1.05A 0-10V

MODULO FAST FLEX BOARD 4X16/740 VO

LENTE: T01- T07 (3-1)

Photometric Data Table [cd]

112.0	3.871	4.342	5.286	6.732	9.274	12.78	16.58	18.68	32.86	31.33
114.0	4.330	4.836	5.851	7.428	10.12	14.01	18.34	20.80	34.35	33.09
116.0	4.832	5.360	6.447	8.134	10.97	15.15	20.03	23.19	34.97	34.07
118.0	5.369	5.884	7.044	8.856	11.80	16.11	21.49	25.50	35.00	34.42
120.0	5.950	6.429	7.646	9.550	12.60	16.94	22.57	27.39	34.63	34.23
122.0	6.567	6.990	8.233	10.21	13.32	17.62	23.28	28.57	33.92	33.64
124.0	7.202	7.541	8.804	10.81	13.93	18.14	23.70	29.12	33.01	32.80
126.0	7.860	8.100	9.350	11.36	14.41	18.49	23.88	29.23	32.05	31.91
128.0	8.507	8.670	9.856	11.85	14.80	18.72	23.82	28.99	31.15	31.05
130.0	9.152	9.214	10.34	12.26	15.07	18.80	23.48	28.33	30.38	30.20
132.0	9.786	9.739	10.78	12.60	15.24	18.69	22.92	27.35	29.71	29.34
134.0	10.41	10.25	11.18	12.89	15.32	18.45	22.22	26.21	29.10	28.52
136.0	11.04	10.82	11.58	13.13	15.34	18.12	21.45	25.07	28.58	27.80
138.0	11.66	11.37	11.95	13.32	15.30	17.75	20.65	23.93	28.15	27.15
140.0	12.25	11.93	12.30	13.48	15.21	17.35	19.88	22.85	27.82	26.66
142.0	12.84	12.47	12.64	13.63	15.10	16.95	19.17	21.86	27.66	26.39
144.0	13.37	13.00	12.98	13.78	14.98	16.58	18.50	20.94	27.60	26.31
146.0	13.89	13.52	13.39	13.91	14.89	16.25	17.92	20.10	27.53	26.33
148.0	14.39	14.00	13.79	14.02	14.84	15.94	17.41	19.29	27.35	26.27
150.0	14.89	14.47	14.18	14.17	14.79	15.69	16.90	18.53	27.04	26.10
152.0	15.32	14.93	14.56	14.43	14.76	15.51	16.43	17.80	26.67	25.89
154.0	15.74	15.36	14.94	14.74	14.81	15.33	16.09	17.34	26.25	25.61
156.0	16.14	15.78	15.34	15.07	15.05	15.25	15.80	16.93	25.83	25.30
158.0	16.54	16.18	15.73	15.43	15.35	15.32	15.66	16.56	25.42	24.97
160.0	16.94	16.54	16.14	15.79	15.68	15.60	15.74	16.33	25.11	24.71
162.0	17.35	16.91	16.53	16.18	16.03	15.93	15.99	16.52	24.89	24.52
164.0	17.74	17.28	16.94	16.57	16.42	16.31	16.33	16.82	24.73	24.35
166.0	18.15	17.67	17.30	17.02	16.86	16.75	16.76	17.21	24.68	24.29
168.0	18.57	18.10	17.72	17.49	17.40	17.31	17.34	17.76	24.69	24.30
170.0	19.02	18.61	18.23	17.98	17.96	17.95	18.03	18.44	24.73	24.33
172.0	19.46	19.16	18.81	18.58	18.53	18.57	18.76	19.20	24.80	24.42
174.0	19.93	19.73	19.47	19.27	19.23	19.26	19.50	19.96	24.96	24.59
176.0	20.47	20.35	20.17	20.08	20.11	20.17	20.36	20.85	25.14	24.80
178.0	21.33	21.28	21.19	21.17	21.23	21.33	21.48	21.90	25.13	24.90
180.0	22.23	22.26	22.23	22.28	22.36	22.49	22.61	22.99	24.91	24.76
G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	1745	1745	1745	1745	1745	1745	1745	1745	1745	1745
2.0	1745	1739	1732	1728	1722	1716	1713	1710	1709	1711
4.0	1752	1739	1725	1713	1701	1689	1681	1677	1675	1678
6.0	1770	1748	1723	1701	1680	1662	1649	1641	1640	1646
8.0	1793	1761	1725	1693	1661	1633	1615	1605	1605	1614
10.0	1820	1777	1730	1685	1642	1606	1581	1570	1570	1583
12.0	1851	1796	1735	1678	1623	1579	1548	1535	1536	1553
14.0	1885	1815	1740	1671	1605	1552	1516	1499	1502	1524
16.0	1919	1835	1746	1664	1588	1525	1483	1462	1468	1496
18.0	1953	1852	1750	1656	1571	1497	1448	1424	1432	1466
20.0	1989	1871	1754	1649	1551	1466	1410	1384	1393	1434
22.0	2025	1889	1756	1637	1528	1435	1372	1344	1355	1401
24.0	2062	1906	1758	1622	1501	1400	1333	1303	1318	1368
26.0	2098	1921	1755	1603	1472	1365	1294	1264	1280	1336
28.0	2131	1933	1747	1582	1441	1328	1254	1225	1243	1305
30.0	2159	1938	1737	1556	1411	1292	1214	1183	1207	1274
32.0	2182	1941	1723	1528	1378	1254	1170	1138	1167	1243
34.0	2204	1940	1706	1499	1344	1207	1116	1083	1119	1205
36.0	2232	1939	1686	1467	1300	1153	1055	1021	1064	1157
38.0	2264	1941	1665	1428	1247	1090	990.0	956.7	1003	1104
40.0	2299	1943	1636	1377	1182	1025	928.3	898.1	943.4	1047
42.0	2336	1940	1599	1314	1114	959.9	871.3	844.5	889.1	989.5
44.0	2367	1925	1552	1247	1046	900.9	818.9	794.7	839.9	935.2
46.0	2391	1905	1498	1179	981.1	847.0	767.2	746.8	793.2	884.9
48.0	2407	1874	1437	1109	918.2	792.3	717.5	698.8	745.5	835.7
50.0	2414	1836	1370	1041	858.2	740.8	669.2	648.4	694.5	785.4
52.0	2412	1787	1304	976.3	800.2	687.9	618.9	597.6	643.0	732.2
54.0	2401	1726	1233	906.3	737.0	628.7	568.9	549.3	592.8	673.6
56.0	2364	1666	1156	832.0	669.6	568.2	514.5	499.2	541.5	619.2
58.0	2305	1612	1072	750.3	610.9	514.6	463.5	449.2	488.6	563.6
60.0	2192	1538	975.4	665.5	544.6	464.5	416.3	398.9	438.2	506.6
62.0	2000	1398	847.5	574.7	477.0	408.6	365.1	346.0	384.4	445.2
64.0	1764	1210	699.6	473.6	407.0	349.6	310.7	291.0	329.1	381.8
66.0	1501	994.9	554.9	378.7	336.5	286.7	251.4	234.7	269.9	317.3
68.0	1196	779.8	435.2	298.7	262.6	218.5	192.0	183.2	210.6	250.4
70.0	851.4	571.2	322.3	223.3	188.9	159.5	130.6	132.0	150.9	190.4
72.0	601.8	397.6	248.0	157.6	134.6	121.5	104.5	107.9	114.2	141.5
74.0	389.2	272.6	173.8	120.4	100.1	83.81	87.29	84.08	95.79	109.2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25±1°CDEG

Operators: Sebastian Vidal

Test Date: 2024-04-02

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10

Humidity: MAX: 52.3-MIN: 41.2%

Test Distance: 7.080m [K=1.0000]

Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED

Driver CERTADRIIVE 57W1.05A 0-10V

MODULO FAST FLEX BOARD 4X16/740 VO

LENTE: T01- T07 (3-1)

Photometric Data Table [cd]

76.0	255.9	165.0	119.8	83.59	72.89	63.87	72.06	68.06	77.71	77.01
78.0	122.8	108.5	77.27	62.10	49.98	45.70	56.12	51.85	59.37	56.12
80.0	62.58	52.12	46.74	38.79	32.49	30.46	41.01	36.00	44.55	38.35
82.0	26.93	23.65	21.43	20.90	18.09	17.46	25.25	21.50	29.74	23.17
84.0	9.605	8.059	7.913	7.043	7.726	7.925	11.46	9.896	14.89	11.19
86.0	4.054	3.071	2.727	2.305	2.417	2.302	2.961	2.938	3.774	3.557
88.0	2.653	1.801	1.224	0.9881	0.9049	0.8171	0.9309	0.9378	1.087	1.142
90.0	3.337	2.225	1.373	1.015	0.8670	0.8128	0.8064	0.7848	0.7794	0.7864
92.0	4.467	2.988	1.815	1.310	1.092	1.029	1.009	0.9870	0.9681	0.9690
94.0	5.837	3.953	2.389	1.677	1.365	1.282	1.249	1.234	1.205	1.219
96.0	7.428	5.102	3.098	2.129	1.679	1.562	1.504	1.488	1.459	1.489
98.0	9.234	6.390	3.932	2.672	2.060	1.878	1.786	1.780	1.748	1.820
100.0	11.20	7.844	4.889	3.314	2.495	2.232	2.098	2.094	2.068	2.194
102.0	13.30	9.386	5.951	4.051	3.013	2.638	2.449	2.447	2.431	2.622
104.0	15.49	10.99	7.116	4.870	3.590	3.091	2.860	2.846	2.840	3.114
106.0	17.76	12.66	8.352	5.768	4.253	3.618	3.320	3.314	3.307	3.675
108.0	20.15	14.40	9.662	6.760	5.012	4.228	3.847	3.848	3.841	4.324
110.0	22.62	16.20	11.06	7.819	5.821	4.905	4.454	4.461	4.452	5.056
112.0	24.92	18.00	12.46	8.941	6.718	5.644	5.130	5.162	5.138	5.858
114.0	26.81	19.69	13.84	10.07	7.666	6.449	5.862	5.930	5.886	6.733
116.0	28.26	21.18	15.14	11.20	8.662	7.319	6.687	6.791	6.713	7.665
118.0	29.24	22.40	16.33	12.32	9.659	8.225	7.591	7.728	7.615	8.633
120.0	29.71	23.34	17.45	13.43	10.68	9.164	8.552	8.730	8.581	9.607
122.0	29.77	24.06	18.55	14.52	11.68	10.10	9.558	9.760	9.578	10.61
124.0	29.58	24.65	19.63	15.61	12.71	11.08	10.61	10.85	10.62	11.62
126.0	29.30	25.15	20.61	16.70	13.75	12.10	11.72	11.97	11.71	12.65
128.0	28.98	25.53	21.45	17.73	14.80	13.18	12.88	13.18	12.87	13.72
130.0	28.57	25.72	22.17	18.68	15.83	14.29	14.13	14.43	14.09	14.85
132.0	27.99	25.68	22.67	19.53	16.81	15.42	15.42	15.69	15.36	15.98
134.0	27.32	25.42	22.93	20.19	17.68	16.50	16.69	16.92	16.61	17.10
136.0	26.62	25.01	22.97	20.65	18.48	17.54	17.90	18.09	17.84	18.14
138.0	25.97	24.51	22.85	20.92	19.15	18.51	19.00	19.16	18.99	19.11
140.0	25.39	24.02	22.63	21.03	19.66	19.34	19.92	20.11	20.03	20.02
142.0	24.99	23.61	22.38	21.06	20.02	20.05	20.69	20.92	20.96	20.85
144.0	24.80	23.35	22.13	21.06	20.32	20.64	21.32	21.61	21.77	21.62
146.0	24.75	23.25	21.99	21.09	20.62	21.15	21.84	22.17	22.45	22.27
148.0	24.75	23.26	21.99	21.13	20.90	21.58	22.25	22.65	23.01	22.84
150.0	24.71	23.28	22.06	21.23	21.18	21.95	22.58	23.01	23.47	23.30
152.0	24.65	23.37	22.21	21.50	21.51	22.32	22.86	23.32	23.80	23.68
154.0	24.56	23.41	22.36	21.84	21.87	22.70	23.11	23.58	24.03	24.02
156.0	24.44	23.42	22.60	22.22	22.31	23.07	23.38	23.82	24.25	24.35
158.0	24.27	23.44	22.86	22.64	22.75	23.38	23.66	24.07	24.47	24.67
160.0	24.16	23.57	23.18	23.08	23.23	23.72	23.97	24.36	24.72	25.01
162.0	24.11	23.72	23.49	23.50	23.70	24.04	24.28	24.63	24.94	25.31
164.0	24.06	23.82	23.74	23.86	24.03	24.28	24.49	24.81	25.09	25.45
166.0	24.06	23.97	24.01	24.23	24.26	24.52	24.70	24.97	25.21	25.49
168.0	24.13	24.13	24.24	24.42	24.40	24.65	24.82	25.04	25.22	25.43
170.0	24.19	24.17	24.28	24.38	24.34	24.60	24.74	24.90	25.03	25.16
172.0	24.19	24.09	24.10	24.15	24.05	24.28	24.37	24.49	24.56	24.65
174.0	24.27	24.11	24.00	23.95	23.76	23.93	23.96	24.00	24.05	24.10
176.0	24.39	24.15	23.93	23.76	23.46	23.56	23.51	23.51	23.52	23.57
178.0	24.44	24.10	23.78	23.53	23.11	23.12	23.02	22.98	22.94	22.99
180.0	24.33	23.88	23.47	23.09	22.59	22.51	22.36	22.30	22.24	22.25
G/C	300.0	310.0	320.0	330.0	340.0	350.0				
0.0	1745	1745	1745	1745	1745	1745				
2.0	1711	1715	1720	1724	1730	1737				
4.0	1682	1691	1702	1712	1725	1740				
6.0	1654	1670	1688	1707	1728	1752				
8.0	1628	1651	1680	1709	1739	1770				
10.0	1604	1638	1674	1717	1757	1798				
12.0	1583	1625	1673	1729	1778	1829				
14.0	1562	1615	1675	1741	1802	1862				
16.0	1542	1606	1678	1756	1828	1899				
18.0	1523	1597	1679	1770	1855	1936				
20.0	1502	1588	1680	1784	1882	1975				
22.0	1478	1576	1683	1796	1908	2013				
24.0	1454	1563	1683	1809	1933	2052				
26.0	1427	1547	1679	1818	1956	2092				
28.0	1402	1530	1675	1825	1981	2135				
30.0	1377	1511	1667	1835	2004	2179				
32.0	1351	1491	1657	1839	2029	2226				
34.0	1324	1468	1645	1844	2054	2277				
36.0	1290	1443	1631	1849	2079	2334				
38.0	1249	1414	1615	1850	2106	2400				

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25±1°CDEG

Operators: Sebastian Vidal

Test Date: 2024-04-02

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10

Humidity: MAX: 52.3-MIN: 41.2%

Test Distance: 7.080m [K=1.0000]

Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED

Driver CERTADRIVE 57W1.05A 0-10V

MODULO FAST FLEX BOARD 4X16/740 VO

LENTE: T01- T07 (3-1)

Photometric Data Table [cd]

40.0	1201	1380	1597	1848	2133	2475
42.0	1145	1334	1573	1847	2163	2555
44.0	1086	1282	1540	1842	2193	2651
46.0	1029	1225	1496	1829	2232	2763
48.0	971.5	1165	1446	1809	2273	2894
50.0	915.5	1103	1393	1787	2318	3051
52.0	861.3	1042	1335	1764	2363	3226
54.0	804.4	980.9	1272	1741	2408	3406
56.0	745.1	915.2	1209	1714	2432	3555
58.0	680.5	842.9	1141	1672	2426	3658
60.0	609.6	761.5	1061	1603	2403	3724
62.0	535.4	670.1	972.7	1515	2349	3677
64.0	459.6	571.4	851.6	1391	2215	3423
66.0	385.4	471.7	716.1	1237	2003	2933
68.0	312.0	376.2	576.2	1049	1760	2305
70.0	241.5	291.9	451.3	859.9	1452	1625
72.0	171.1	216.8	339.8	655.0	1083	1179
74.0	127.2	155.3	262.3	449.6	744.1	734.3
76.0	94.59	120.8	184.8	293.8	476.6	496.4
78.0	67.47	86.59	120.1	179.0	310.9	320.2
80.0	44.39	56.96	74.72	118.9	146.3	199.3
82.0	26.43	33.73	43.64	59.00	73.85	118.5
84.0	12.69	14.46	19.72	25.35	30.49	37.85
86.0	4.311	4.902	6.526	7.692	10.03	11.05
88.0	1.451	1.663	2.334	3.128	4.523	5.167
90.0	0.8365	1.021	1.413	2.194	3.076	3.704
92.0	1.023	1.224	1.725	2.777	3.824	4.558
94.0	1.287	1.586	2.315	3.716	5.080	5.965
96.0	1.610	2.068	3.076	4.860	6.578	7.694
98.0	2.008	2.659	3.980	6.193	8.347	9.719
100.0	2.478	3.362	5.031	7.719	10.34	11.98
102.0	3.039	4.193	6.221	9.381	12.47	14.44
104.0	3.692	5.134	7.515	11.12	14.78	17.12
106.0	4.461	6.169	8.898	12.98	17.25	20.09
108.0	5.309	7.298	10.36	14.93	19.91	23.31
110.0	6.242	8.515	11.93	17.00	22.76	26.70
112.0	7.265	9.823	13.54	19.15	25.62	30.01
114.0	8.356	11.19	15.17	21.19	28.15	32.71
116.0	9.451	12.55	16.74	23.01	30.08	34.50
118.0	10.55	13.88	18.24	24.64	31.45	35.56
120.0	11.67	15.19	19.63	25.97	32.34	36.06
122.0	12.79	16.41	20.96	26.97	32.82	36.06
124.0	13.89	17.56	22.21	27.75	32.88	35.62
126.0	15.00	18.60	23.36	28.36	32.75	34.97
128.0	16.11	19.70	24.33	28.87	32.53	34.31
130.0	17.22	20.79	25.06	29.30	32.25	33.67
132.0	18.26	21.80	25.68	29.62	31.99	32.99
134.0	19.24	22.70	26.17	29.81	31.69	32.30
136.0	20.13	23.43	26.65	29.83	31.36	31.61
138.0	20.92	24.00	27.06	29.72	30.96	30.92
140.0	21.62	24.43	27.34	29.55	30.52	30.24
142.0	22.19	24.74	27.46	29.32	30.12	29.68
144.0	22.67	24.96	27.50	29.18	29.76	29.29
146.0	23.05	25.12	27.45	29.06	29.43	28.99
148.0	23.35	25.23	27.35	28.82	29.08	28.71
150.0	23.63	25.25	27.17	28.49	28.64	28.38
152.0	23.92	25.21	26.95	28.11	28.21	28.00
154.0	24.17	25.14	26.68	27.69	27.77	27.56
156.0	24.43	25.18	26.36	27.24	27.33	27.09
158.0	24.71	25.22	26.05	26.71	26.84	26.62
160.0	25.00	25.30	25.86	26.24	26.36	26.21
162.0	25.24	25.38	25.67	25.91	25.93	25.84
164.0	25.41	25.40	25.51	25.57	25.52	25.48
166.0	25.52	25.44	25.40	25.32	25.24	25.22
168.0	25.51	25.42	25.29	25.15	25.02	25.00
170.0	25.21	25.21	25.06	24.88	24.76	24.72
172.0	24.69	24.69	24.66	24.53	24.40	24.41
174.0	24.14	24.15	24.18	24.13	24.02	24.12
176.0	23.59	23.61	23.68	23.73	23.74	23.86
178.0	23.01	23.07	23.16	23.28	23.38	23.66
180.0	22.23	22.28	22.36	22.47	22.62	23.00

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Sebastian Vidal
Test Date: 2024-04-02

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 52.3-MIN: 41.2%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 24-0190-1-A OMEGA I PLUS 64 LED
Driver CERTADRIVE 57W1.05A 0-10V
MODULO FAST FLEX BOARD 4X16/740 VO
LENTE: T01- T07 (3-1)