

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

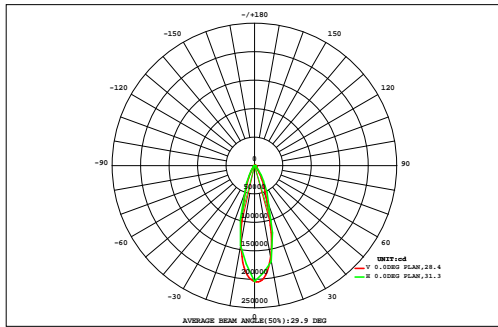
Maximum Intensity (Luminaire orientation as tested.)		2620.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	64.3V x 58.1H 31.3V x 28.4H 10.6V x 12.9H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	999.1 lumens per klm. 785.0 lumens per klm. 392.2 lumens per klm. 62.0 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.750m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:2.320A P:504.1W PF:0.9825 Freq:49.90Hz Lamp Flux:77899.3x1 lm		
NAME: REK-FL500W-07-G9-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:154.53lm/W	
MODEL		Imax(cd)	204159
NOMINAL POWER(W)	500	AVAILABILITY(%)	78.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	61183
NOMINAL FLUX(lm)	77899.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	77899
TEST VOLTAGE(V)	220	q @50%(H,V)	28,31DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM														UNIT:lm		F t	F a		
	11.2	13.5	15.9	18.5	22.0	26.1	30.4	34.5	37.3	37.9	36.2	32.4	27.7	23.4	19.9	17.2			14.7	12.1
45	11.2	13.5	15.9	18.5	22.0	26.1	30.4	34.5	37.3	37.9	36.2	32.4	27.7	23.4	19.9	17.2	14.7	12.1	431	0.00
40	13.1	16.0	19.0	22.6	27.5	33.0	39.1	44.3	46.9	46.0	41.8	35.5	29.0	23.9	20.5	18.0	15.0	12.1	503	0.00
35	13.3	16.1	20.4	28.6	42.3	59.1	77.4	95.0	107	109	100	83.2	63.1	45.0	31.2	22.1	17.4	14.6	945	0.00
30	15.8	19.5	27.3	43.6	66.9	93.2	121	144	154	149	128	99.8	70.9	47.6	30.6	20.9	17.1	14.7	1264	158
25	15.7	21.4	34.9	58.2	95.4	150	213	271	310	316	289	236	171	109	65.3	37.8	22.6	16.5	2434	1867
20	19.3	32.1	59.8	101	165	252	342	412	442	423	364	278	185	110	62.1	34.3	20.4	16.1	3318	2820
15	19.0	30.9	57.4	105	183	292	450	685	871	903	771	535	354	224	126	66.0	34.1	19.6	5726	5308
10	27.3	54.4	101	185	311	478	752	1099	1265	1181	873	539	346	206	106	53.6	27.3	17.8	7621	7234
5	21.5	39.0	74.9	139	247	413	723	1100	1377	1444	1314	940	533	319	179	89.1	44.2	22.7	9019	8651
0	33.9	67.4	127	232	388	682	1197	1551	1680	1604	1306	806	420	245	125	60.4	29.8	18.6	10573	10223
-5	20.4	36.8	69.7	130	233	362	618	1029	1310	1372	1249	915	530	319	182	90.9	45.0	22.8	8533	8170
-10	29.9	57.1	106	194	321	500	819	1143	1253	1170	877	498	321	198	101	51.3	25.7	17.3	7681	7310
-15	17.6	28.3	50.7	90.2	160	253	365	550	705	757	710	555	355	226	132	69.9	36.0	20.4	5080	4659
-20	22.6	38.6	67.0	115	186	274	352	377	378	343	283	229	168	100	56.5	31.6	18.7	16.3	3056	2520
-25	15.6	20.8	32.7	52.9	85.3	132	192	256	305	323	301	247	181	122	75.3	43.5	26.0	18.1	2430	1840
-30	17.6	24.3	37.1	55.7	79.5	108	138	161	165	150	122	88.5	63.2	44.4	28.6	19.3	17.5	15.7	1336	423
-35	14.1	17.4	22.3	30.7	43.4	60.4	80.0	101	117	124	117	99.5	76.3	55.3	39.4	27.6	20.3	16.0	1062	0.00
-40	15.0	18.8	22.5	28.0	35.3	41.7	45.4	45.8	43.7	39.8	35.1	30.1	24.4	20.1	19.1	18.8	16.5	13.3	513	0.00
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
F t	343	553	946	1630	2691	4210	6552	9099	10566	10492	8917	6249	3918	2437	1400	772	448	305	71526	---
F a	0.00	0.00	88.4	758	2106	3655	6042	8623	10078	9975	8364	5759	3469	1756	510	0.00	0.00	0.00	---	61183

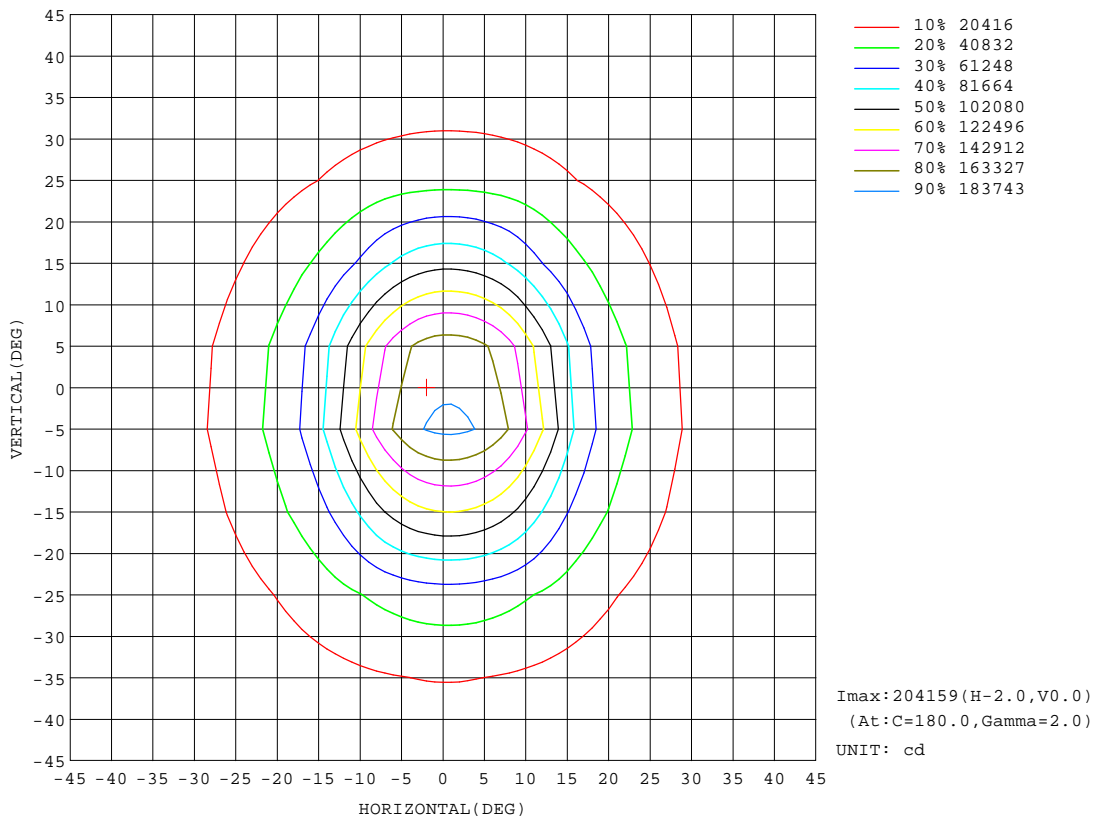
one-half-peak spread: U:16.9,D:14.6 , L:13.6,R:15.0 NEMA Beam Type: Type 4

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.2V I:2.320A P:504.1W PF:0.9825 Freq:49.90Hz Lamp Flux:77899.3x1 lm		
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SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

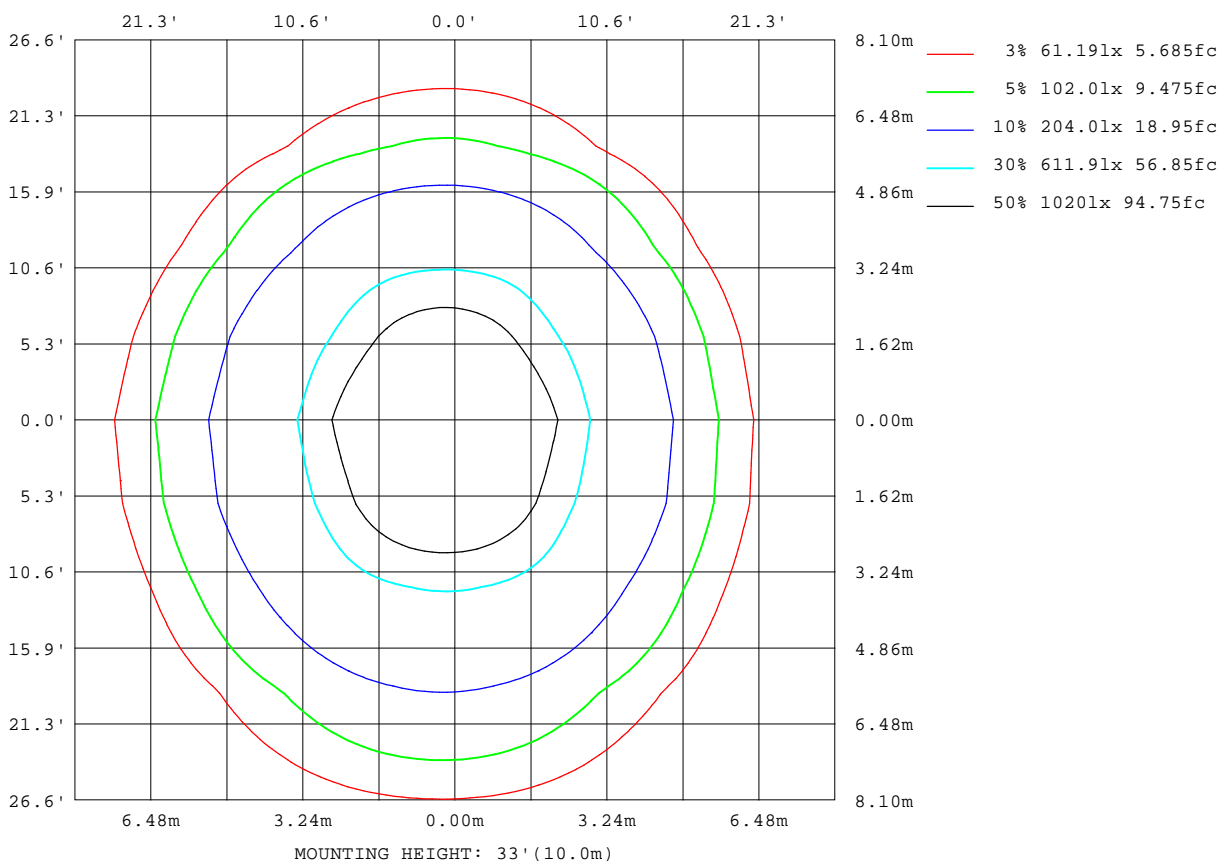


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Remarks:

ISOLUX DIAGRAM

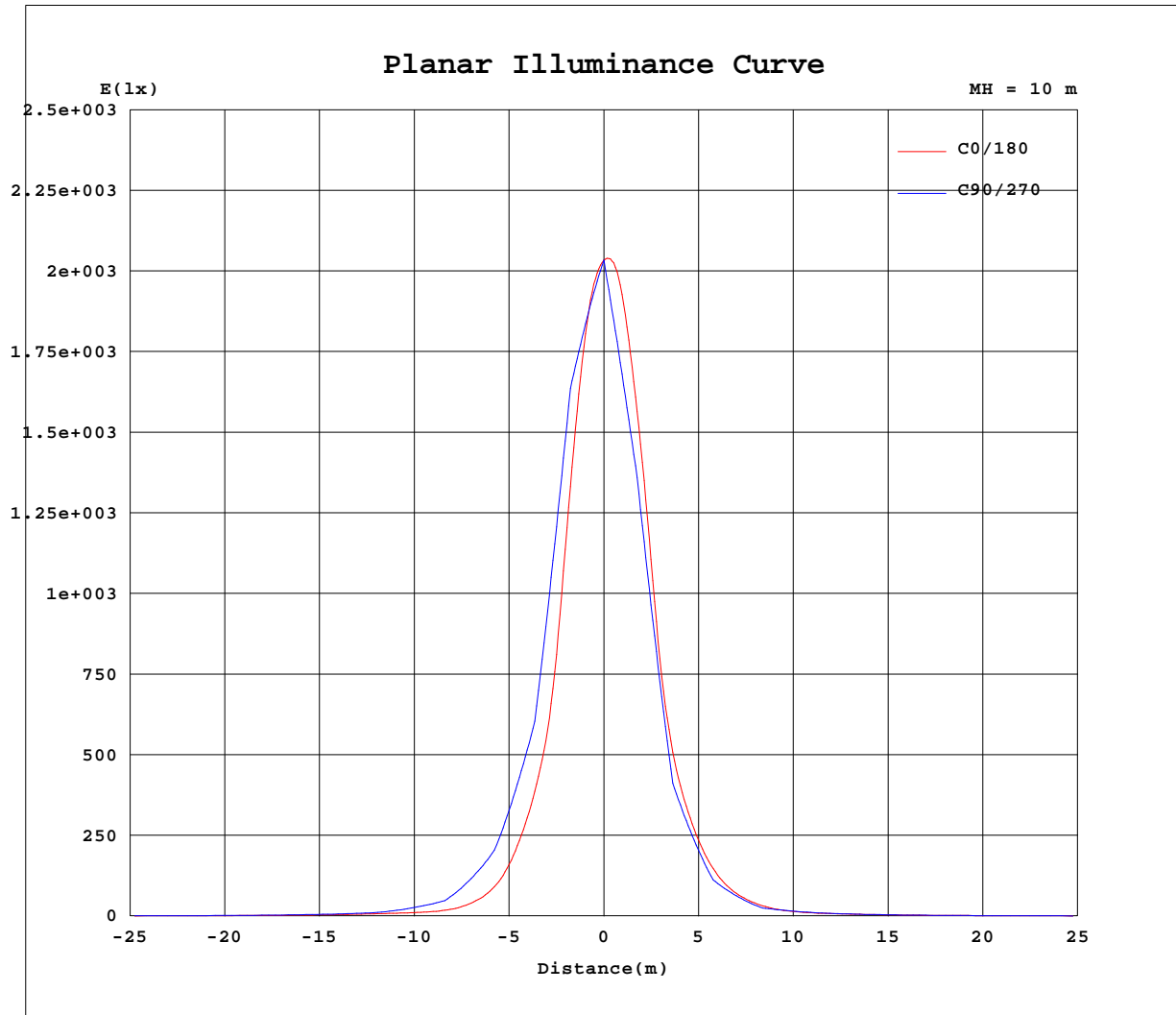
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Remarks:

Planar Illuminance Curve



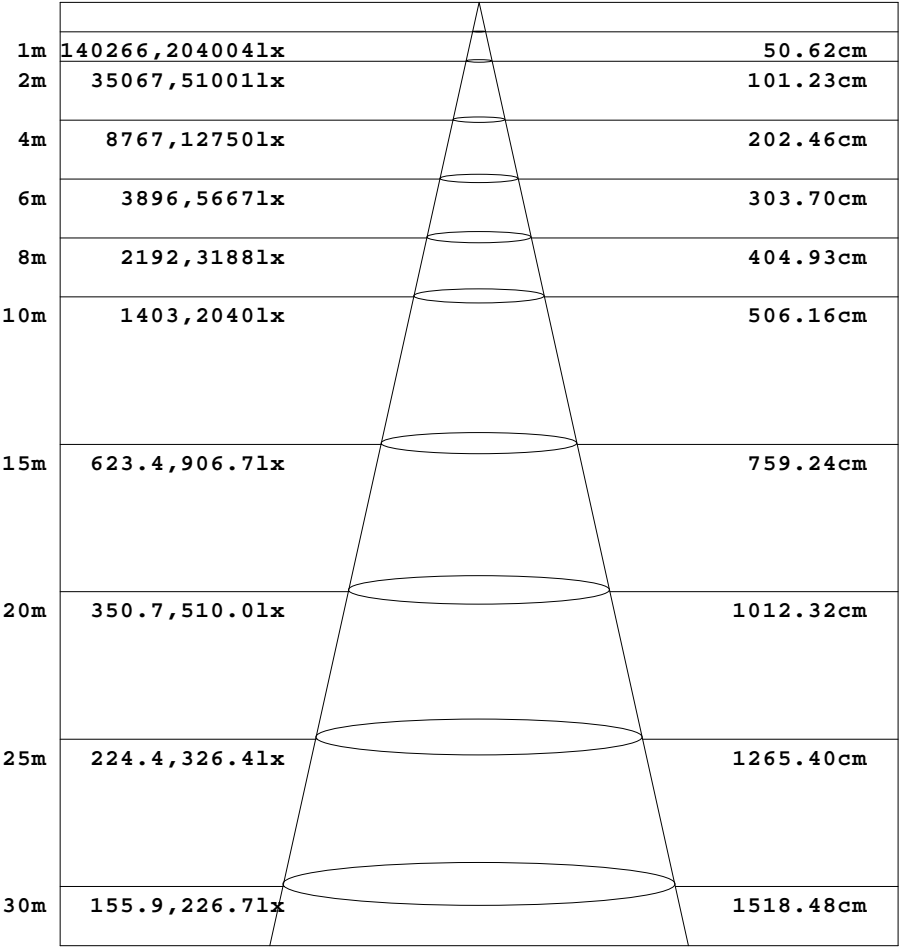
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 Humidity:65.0%
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 Remarks:

AAI Figure

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NAME: REK-FL500W-07-G9-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:29473 lm



Height Eavg, Emax Angle:28.40deg Diameter

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.750m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:2.320A P:504.1W PF:0.9825 Freq:49.90Hz Lamp Flux:77899.3x1 lm		
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SPEC.:	DIM.:	SERIAL No.:
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Table--1

UNIT: ×100cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	3.11	3.24	4.22	5.18	5.83	6.53	7.27	7.91	8.52	9.22	9.72	10.3	11.1	11.5	11.7	11.9	12.2	12.4	12.3
-75	3.08	3.42	4.28	5.79	6.86	8.04	9.36	10.3	11.1	11.9	12.7	13.2	13.9	14.5	15.0	15.3	15.6	15.9	16.0
-70	3.39	3.90	5.55	7.29	8.85	10.6	12.3	13.4	14.3	15.3	16.1	16.7	17.3	18.0	18.5	19.0	19.4	19.6	19.7
-65	3.20	3.70	5.20	7.53	9.42	11.4	13.0	14.4	15.6	16.7	17.8	18.6	19.5	20.3	21.1	21.9	22.5	23.0	23.3
-60	3.43	4.25	6.72	9.28	11.9	13.5	14.9	16.4	17.8	19.1	20.2	21.2	22.3	23.3	24.4	25.4	26.2	26.7	26.8
-55	3.09	3.73	5.93	9.02	11.6	13.6	15.3	16.9	18.4	19.8	21.4	23.1	25.1	27.4	29.7	31.8	33.6	34.9	35.3
-50	3.19	4.43	7.75	10.9	13.1	15.1	17.0	18.7	20.2	21.8	23.8	26.5	29.8	33.4	36.8	39.9	42.3	43.7	43.7
-45	2.70	3.52	6.55	10.2	12.7	14.8	16.8	18.6	20.2	22.3	25.1	28.7	33.5	40.5	49.4	58.7	67.1	73.4	75.9
-40	2.57	4.40	8.55	11.8	14.0	16.2	18.1	19.7	21.7	24.8	29.2	34.4	42.2	54.5	69.6	84.6	97.7	106	107
-35	2.00	3.14	7.02	11.0	13.2	15.7	17.7	19.5	21.8	25.1	29.7	37.4	51.1	71.9	100	134	170	200	212
-30	1.89	4.43	8.89	12.0	14.6	16.9	18.7	20.9	24.4	28.6	35.1	49.8	74.8	110	157	213	269	308	315
-25	1.37	2.88	7.36	11.3	13.9	16.5	18.4	20.8	24.5	28.4	36.2	54.0	86.1	137	211	303	403	485	523
-20	1.50	4.90	9.33	12.4	15.4	17.7	19.8	23.3	27.7	32.8	48.5	80.0	133	218	335	473	610	706	729
-15	1.08	3.00	7.56	11.5	14.4	17.2	19.3	22.5	27.4	32.0	46.0	78.5	135	230	367	550	839	1114	1224
-10	1.29	4.98	9.58	12.7	15.9	18.3	20.9	25.7	30.2	38.6	64.7	115	202	343	530	832	1322	1652	1713
-5	0.97	3.30	7.59	11.6	14.6	17.4	19.8	23.6	29.1	34.6	53.6	96.9	171	298	479	767	1282	1711	1879
0	1.20	4.84	9.65	12.7	15.9	18.3	21.2	26.4	31.0	40.8	71.7	128	227	384	613	1082	1638	1979	2034
5	0.85	3.34	7.37	11.4	14.4	17.2	19.5	23.2	28.6	33.7	50.3	91.3	160	278	449	716	1164	1564	1736
10	1.30	4.64	9.17	12.3	15.4	17.7	20.2	24.7	29.1	35.2	56.2	101	174	297	459	681	1045	1358	1424
15	0.76	3.14	6.92	10.9	13.7	16.3	18.4	21.3	26.1	29.8	38.8	64.5	111	186	297	440	640	863	965
20	1.49	4.37	8.49	11.6	14.4	16.6	18.6	21.6	25.9	29.1	36.9	59.9	99.2	156	240	338	428	486	497
25	0.88	2.95	6.31	10.2	12.7	15.2	17.1	19.1	22.4	25.7	29.7	39.5	60.7	94.2	143	205	267	315	336
30	1.58	4.09	7.61	10.6	13.1	15.4	17.0	18.8	21.9	24.9	28.0	33.3	45.6	67.6	94.2	123	150	169	173
35	1.10	2.78	5.62	9.37	11.4	13.8	15.7	17.2	19.2	21.8	24.5	27.9	33.7	44.6	59.9	76.5	93.8	108	115
40	1.66	3.84	6.63	9.82	11.7	13.9	15.7	17.0	18.5	20.6	23.5	26.2	29.1	33.3	38.6	44.4	50.4	54.6	55.9
45	1.24	2.57	4.97	8.01	10.3	12.1	14.0	15.6	17.0	18.5	20.4	22.6	24.9	27.8	31.5	35.3	39.2	42.4	44.0
50	1.69	3.33	5.51	8.32	10.2	11.9	13.8	15.3	16.6	17.8	19.1	20.7	22.8	25.2	27.4	29.4	30.9	32.0	32.3
55	1.29	2.30	4.28	6.36	8.72	10.5	12.0	13.5	14.9	16.0	17.2	18.4	19.8	21.4	23.0	24.4	25.6	26.6	27.1
60	1.67	2.66	4.53	6.40	8.81	10.2	11.4	12.8	14.1	15.2	16.3	17.2	18.1	18.9	19.7	20.5	21.2	21.7	21.9
65	1.35	2.06	3.42	4.90	6.55	8.34	9.81	11.0	12.1	13.1	14.1	14.8	15.5	16.3	16.9	17.6	18.2	18.7	18.9
70	1.67	2.12	3.60	4.69	5.97	7.57	9.18	10.0	10.9	11.8	12.5	13.0	13.6	14.2	14.7	15.1	15.5	15.9	16.0
75	1.46	1.86	2.52	3.64	4.47	5.51	6.72	7.51	8.16	8.89	9.58	10.0	10.6	11.2	11.6	11.8	12.1	12.4	12.5
80	1.70	1.78	2.47	3.24	3.77	4.36	4.97	5.50	5.96	6.57	7.04	7.53	8.11	8.50	8.69	8.70	8.87	9.03	9.01
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H_(β) Range:-90 - 90DEG
H_(β) Interval: 1.0DEG
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Operators:DAMIN
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V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:2.320A P:504.1W PF:0.9825 Freq:49.90Hz Lamp Flux:77899.3x1 lm		
NAME: REK-FL500W-07-G9-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×100cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	12.2	11.8	11.5	11.4	11.0	10.4	9.60	9.04	8.36	7.78	7.23	6.61	5.91	5.27	4.74	3.81	3.09	3.06
-75	15.9	15.5	15.1	14.7	14.4	13.8	13.1	12.4	11.7	10.9	10.2	9.41	8.14	6.93	5.94	4.84	3.59	3.23
-70	19.3	18.8	18.3	17.8	17.2	16.6	16.0	15.3	14.5	13.4	12.5	11.3	9.38	7.72	6.41	4.80	3.50	3.25
-65	23.0	22.4	21.7	20.9	20.1	19.3	18.5	17.7	16.8	15.7	14.5	13.3	11.8	9.94	7.94	6.11	4.16	3.34
-60	26.3	25.4	24.4	23.3	22.3	21.3	20.4	19.4	18.3	17.0	15.6	14.1	12.9	10.5	8.02	5.71	3.76	3.26
-55	34.8	33.5	31.8	29.8	27.6	25.4	23.3	21.6	20.2	19.0	17.6	16.0	14.3	12.4	9.97	7.32	4.55	3.24
-50	42.5	40.3	37.6	34.5	31.1	27.6	24.7	22.7	21.1	19.8	18.4	16.5	14.5	12.7	9.75	6.60	3.82	3.01
-45	73.7	67.4	58.3	48.2	39.6	33.7	29.5	26.2	23.4	21.3	19.7	18.1	16.1	13.9	11.7	8.30	4.84	2.95
-40	101	87.7	70.9	54.3	42.9	36.2	31.5	27.3	23.8	21.4	19.8	18.1	15.9	13.5	11.1	7.29	3.79	2.53
-35	203	176	138	102	72.7	50.6	37.0	30.8	26.9	23.8	21.1	19.3	17.5	15.0	12.7	9.17	5.24	2.63
-30	288	235	175	125	83.2	51.7	36.5	31.0	27.6	23.8	21.0	19.1	17.2	14.5	12.1	7.82	3.83	2.09
-25	501	426	324	226	145	87.3	51.8	35.0	29.7	26.9	23.1	20.4	18.5	16.1	13.3	9.92	5.66	2.40
-20	665	540	390	257	155	89.6	49.7	33.5	29.6	27.1	22.6	20.1	18.1	15.4	12.6	8.24	4.21	1.89
-15	1166	941	618	403	251	140	76.0	42.3	31.5	29.1	25.4	21.5	19.3	16.9	13.8	10.4	5.79	2.24
-10	1526	1084	650	418	246	130	69.6	38.5	30.9	29.2	24.3	20.9	18.8	15.9	12.8	8.52	4.41	1.75
-5	1800	1450	899	531	327	176	92.0	48.6	32.9	30.0	26.8	22.1	19.7	17.3	14.0	10.5	5.73	2.15
0	1867	1395	783	466	272	141	73.8	40.7	31.4	29.4	24.7	21.1	18.9	16.0	12.8	8.45	4.32	1.61
5	1653	1309	830	498	305	164	86.7	46.8	32.3	29.5	26.2	21.8	19.4	17.0	13.7	10.2	5.51	2.24
10	1233	843	551	361	211	113	61.2	36.3	30.0	28.1	23.4	20.4	18.3	15.4	12.3	8.01	4.05	1.45
15	908	711	487	326	202	114	63.7	38.0	29.7	27.5	23.8	20.4	18.3	16.0	12.9	9.43	5.07	2.20
20	458	382	283	184	112	67.0	40.6	30.0	27.3	24.8	20.8	18.7	16.8	14.1	11.3	7.09	3.65	1.50
25	323	281	220	153	99.0	62.3	40.3	30.1	26.8	24.2	20.7	18.5	16.7	14.4	11.6	8.29	4.47	1.91
30	161	135	104	74.7	52.3	36.7	29.4	26.7	24.2	20.8	18.5	16.9	15.0	12.5	10.2	6.00	3.16	1.32
35	111	98.4	80.2	61.6	46.5	35.6	29.1	25.7	23.1	20.5	18.2	16.7	14.9	12.6	10.4	6.97	3.84	1.65
40	53.5	48.2	41.4	35.3	30.8	28.2	25.7	22.5	19.9	18.0	16.6	15.1	13.0	10.9	8.27	4.99	2.68	1.23
45	43.5	40.9	36.9	32.7	28.9	26.1	23.8	21.5	19.3	17.6	16.2	14.7	12.9	11.0	8.73	5.64	3.31	1.48
50	31.9	30.7	29.0	26.9	24.5	22.1	20.2	18.6	17.2	16.0	14.6	13.0	11.3	9.57	6.64	4.18	2.28	1.23
55	26.9	26.2	25.1	23.7	22.2	20.5	18.9	17.6	16.3	15.1	13.8	12.4	11.0	9.18	6.74	4.53	2.82	1.43
60	21.6	21.0	20.2	19.3	18.5	17.6	16.6	15.5	14.4	13.2	11.9	10.8	9.63	7.13	4.99	3.47	1.89	1.30
65	18.8	18.3	17.7	17.1	16.4	15.7	14.9	14.1	13.0	12.1	11.0	9.83	8.46	6.69	4.94	3.58	2.24	1.45
70	15.7	15.3	14.8	14.3	13.7	13.1	12.6	11.8	10.9	10.2	9.21	7.71	6.19	4.80	3.70	2.73	1.64	1.41
75	12.4	12.1	11.7	11.4	11.0	10.5	9.88	9.29	8.57	7.91	7.23	6.41	5.27	4.26	3.43	2.66	1.72	1.50
80	8.84	8.58	8.35	8.16	7.80	7.33	6.75	6.25	5.66	5.14	4.65	4.13	3.55	3.01	2.59	1.88	1.50	1.51
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 September 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.750m [K=1.0000]
Remarks: