

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

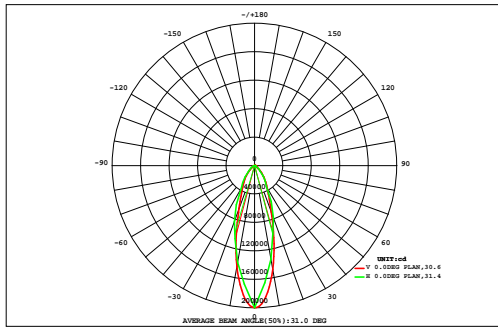
Maximum Intensity (Luminaire orientation as tested.)		1991.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	80.1V x 77.9H 31.4V x 30.6H 7.0V x 11.3H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	999.8 lumens per klm. 813.5 lumens per klm. 286.2 lumens per klm. 26.5 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:09 July 2024

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.4118]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.0V I:3.211A P:697.3W PF:0.9785 Freq:49.98Hz Lamp Flux:100307x1 lm		
NAME: RK-FL700W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.85lm/W	
MODEL		Imax(cd)	199746
NOMINAL POWER(W)	700	AVAILABILITY(%)	81.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	81980
NOMINAL FLUX(lm)	100307	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	100307
TEST VOLTAGE(V)	220	q @50%(H,V)	31,31DEG

AREA FLUX DIAGRAM																	UNIT:lm			F t	F a
72	2.01	4.80	8.99	14.1	19.6	25.4	31.0	35.9	39.1	39.2	36.1	31.5	25.9	20.3	14.8	9.54	5.22	2.29	366	0.00	
64	3.32	7.95	14.7	22.8	31.4	40.8	50.5	59.0	64.5	64.8	59.8	51.6	41.9	32.7	24.1	15.9	8.80	3.91	598	0.00	
56	4.80	11.3	20.9	34.1	52.2	78.6	112	142	159	161	146	116	82.9	55.6	37.0	23.2	13.1	6.04	1256	0.00	
48	6.50	15.0	27.5	45.8	74.0	119	178	233	264	268	242	189	129	80.5	50.4	30.3	17.2	8.03	1977	0.00	
40	8.71	19.6	38.1	77.4	147	253	369	467	533	534	470	370	253	150	79.5	39.2	20.1	9.17	3838	2391	
32	10.3	23.2	48.4	108	217	377	546	699	817	820	706	546	369	213	106	48.0	23.7	10.8	5688	4667	
24	11.0	25.3	58.7	140	280	487	759	1156	1546	1567	1188	779	499	292	147	62.2	27.2	12.4	9036	8187	
	11.6	27.0	65.2	162	330	578	935	1539	2209	2311	1714	1030	625	367	186	77.0	30.7	13.8	12212	11448	
	12.0	28.0	69.7	175	353	615	1078	2014	3075	3272	2354	1266	670	385	198	81.1	31.6	14.0	15690	14966	
	13.1	30.5	79.5	196	385	672	1245	2378	3510	3522	2379	1212	642	370	186	74.4	29.6	13.1	16938	16228	
	12.3	28.1	68.9	167	334	577	940	1562	2201	2229	1594	941	565	327	164	67.4	28.1	12.6	11817	11034	
	10.8	24.7	55.4	132	268	466	701	1015	1366	1430	1120	754	495	290	147	63.2	27.2	12.3	8377	7514	
-24	9.17	21.0	42.2	93.3	186	328	490	650	792	819	700	528	360	212	108	50.0	24.1	11.1	5423	4344	
-32	7.95	18.1	34.5	68.7	129	222	321	386	407	400	376	324	230	136	72.1	37.0	20.0	9.27	3199	1200	
-40	6.83	15.3	28.2	48.5	78.8	122	174	220	245	240	210	161	107	67.0	42.7	26.4	15.0	6.74	1816	0.00	
-48	4.85	11.1	19.8	30.4	43.3	61.1	85.9	109	122	122	109	84.9	60.3	42.8	31.0	20.5	11.6	5.19	975	0.00	
-56	2.81	6.94	13.0	20.1	27.5	34.6	42.3	49.6	55.0	56.2	53.0	46.8	38.6	30.2	22.4	14.8	8.27	3.67	526	0.00	
-64	1.58	3.94	7.52	11.9	16.3	20.3	23.9	26.8	28.9	29.4	27.6	24.8	21.4	17.4	13.2	8.86	4.93	2.19	291	0.00	
-72	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL( DEG)	16	24	32	40	48	56	64	72				
F t	140	322	701	1548	2972	5076	8081	12743	17434	17884	13483	8454	5215	3088	1629	749	346	157	10023	---	
F a	0.00	0.00	0.00	19.3	1205	3786	7036	11691	16331	16782	12405	7290	3991	1419	24.1	0.00	0.00	0.00	---	81980	

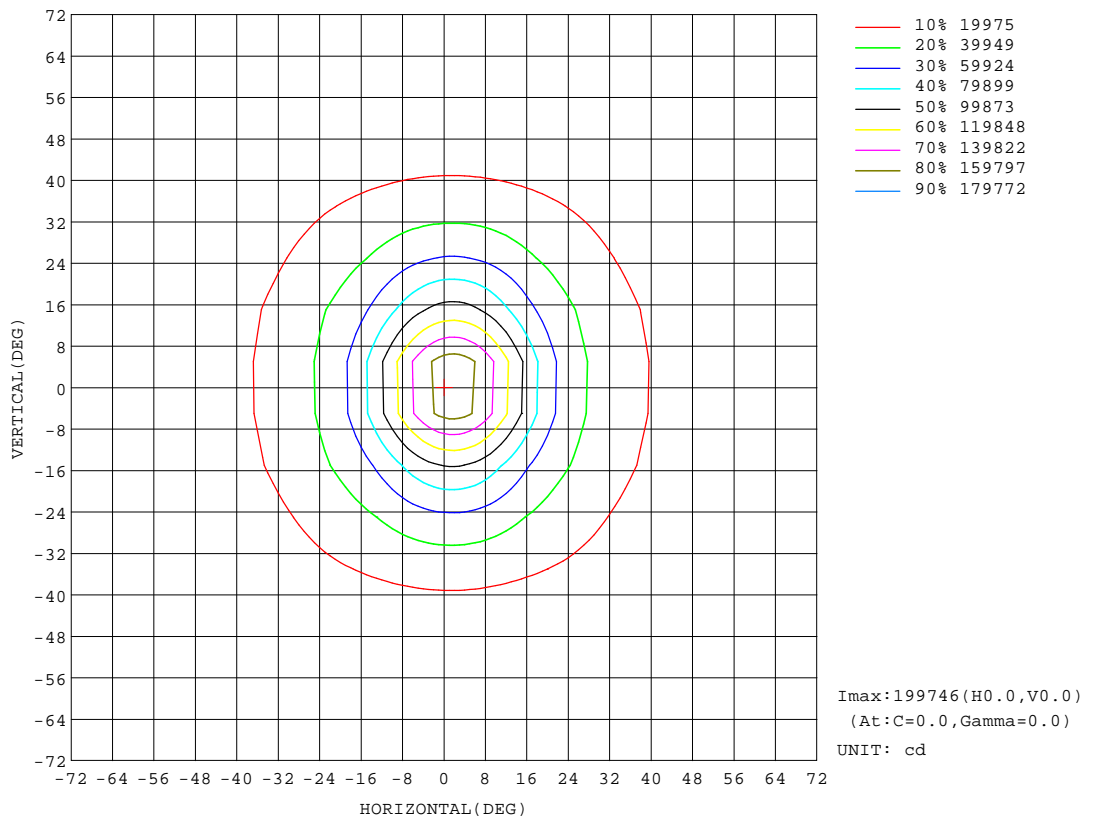
one-half-peak spread: U:15.3,D:16.5 , L:15.7,R:15.1 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:09 July 2024

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.4118]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:222.0V I:3.211A P:697.3W PF:0.9785 Freq:49.98Hz Lamp Flux:100307x1 lm		
NAME: RK-FL700W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

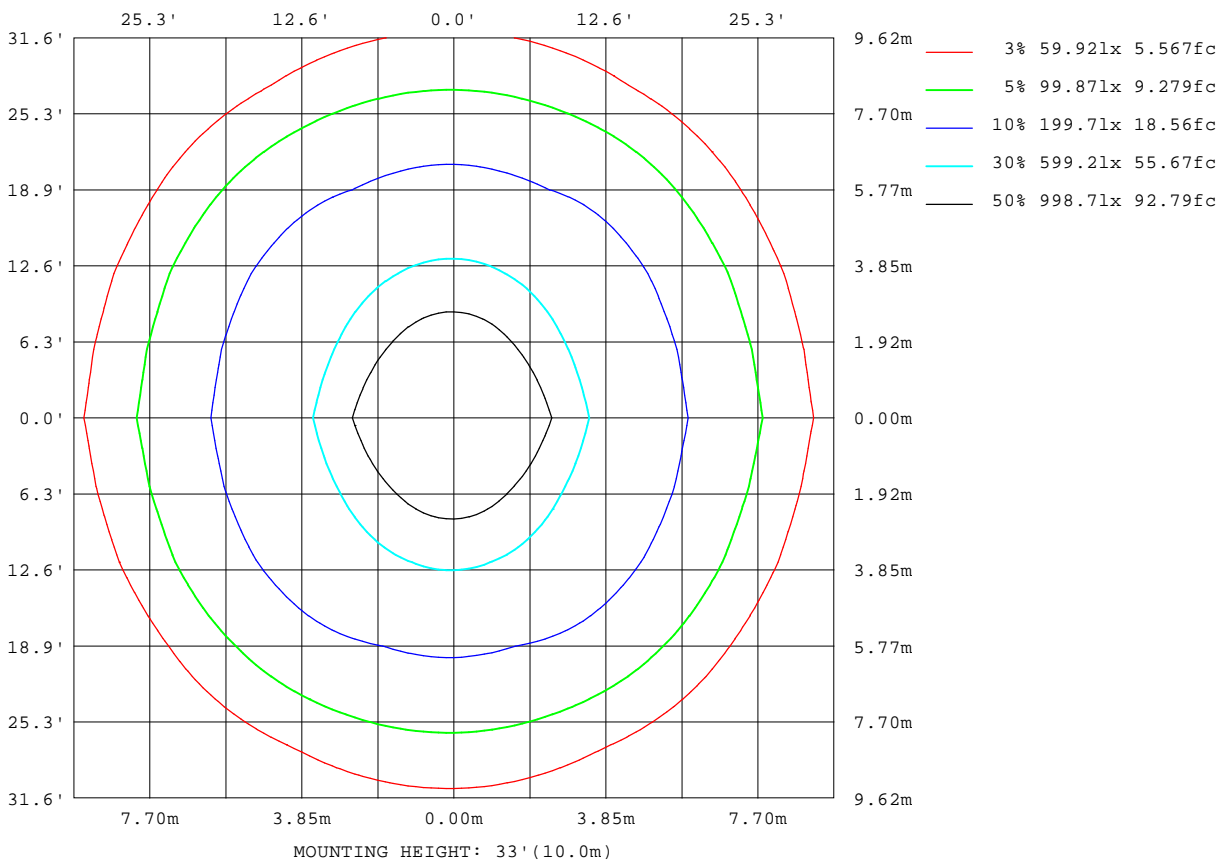


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Test Speed: HIGH  
Temperature:25.3DEG  
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Test Date:09 July 2024

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Humidity:65.0%  
Test Distance:11.900m [K=1.4118]  
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ISOLUX DIAGRAM

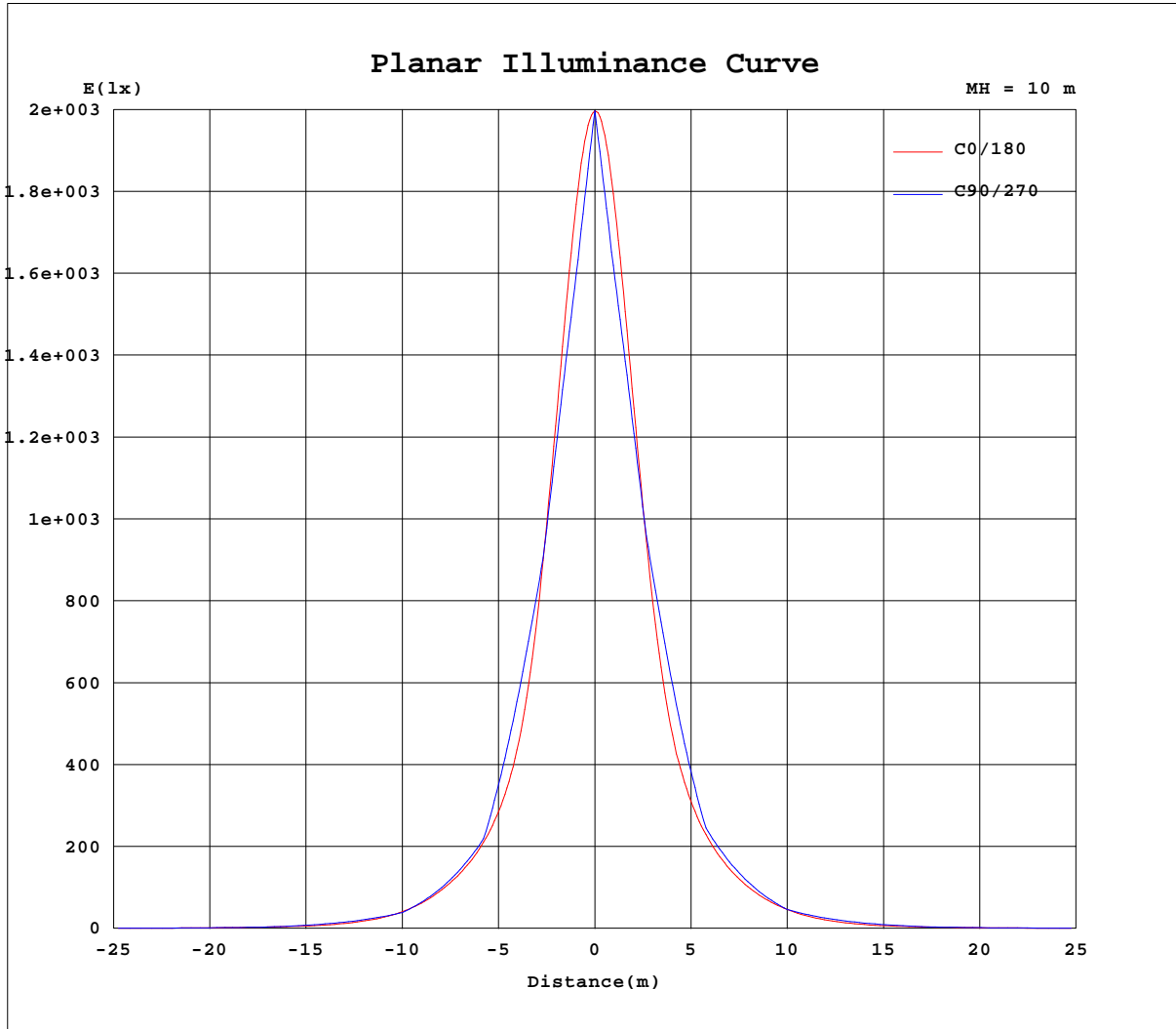
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Remarks:

Planar Illuminance Curve

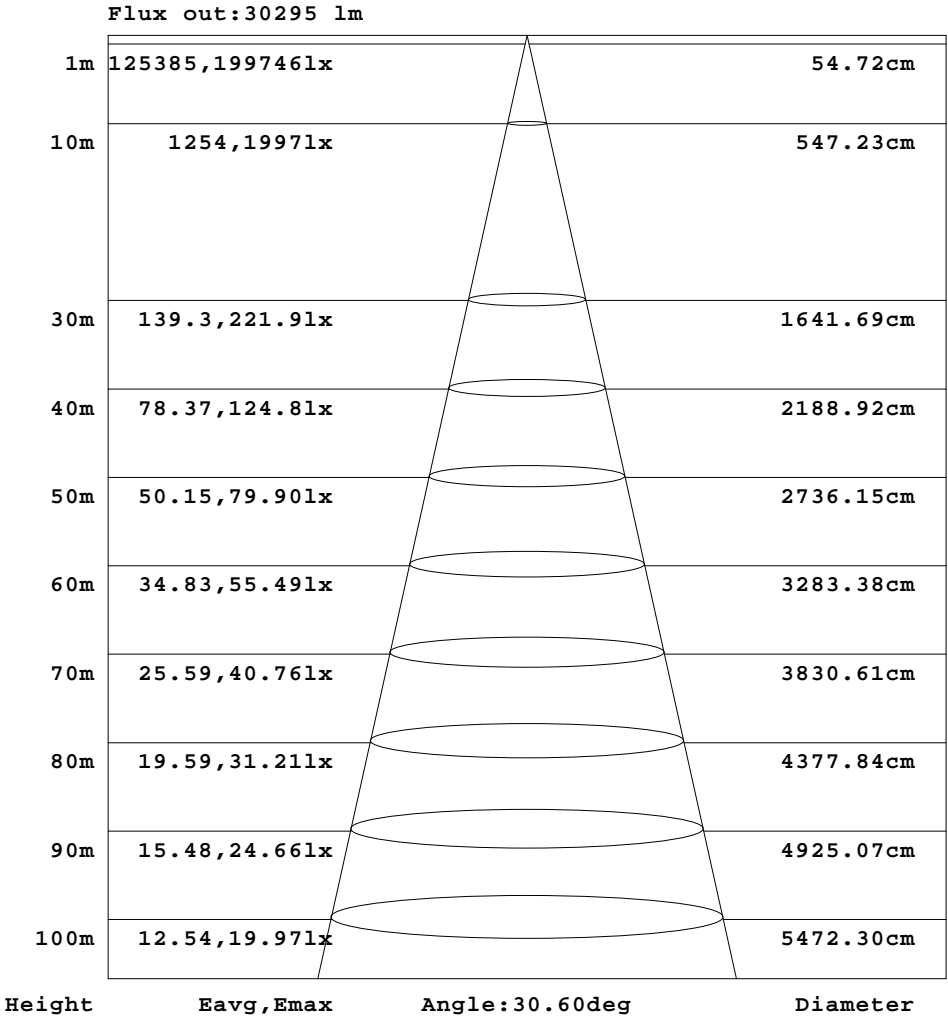


H( $\beta$ ) Range:-90 - 90DEG  
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 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
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 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
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 Remarks:

AAI Figure

Test:U:222.0V I:3.211A P:697.3W PF:0.9785 Freq:49.98Hz Lamp Flux:100307x1 lm		
NAME: RK-FL700W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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: 09 July 2024

V(B) Range: -75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.900m [K=1.4118]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.0V I:3.211A P:697.3W PF:0.9785 Freq:49.98Hz Lamp Flux:100307x1 lm		
NAME: RK-FL700W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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	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
-75	0.17	0.18	0.25	0.40	0.67	1.03	1.48	2.03	2.65	3.33	3.97	4.57	5.12	5.67	6.13	6.50	6.85	7.16	7.40
-70	0.15	0.19	0.46	0.98	1.73	2.63	3.70	4.87	6.11	7.33	8.42	9.44	10.4	11.4	12.4	13.1	13.8	14.4	14.6
-65	0.14	0.15	0.39	1.07	2.15	3.47	5.04	6.76	8.58	10.4	12.0	13.5	14.9	16.4	17.9	19.2	20.3	21.2	21.7
-60	0.12	0.19	0.77	1.96	3.58	5.50	7.74	10.1	12.5	14.8	16.8	18.7	20.6	22.6	24.5	26.2	27.6	28.6	29.0
-55	0.12	0.14	0.66	2.04	4.02	6.35	9.05	12.0	15.1	18.3	22.0	25.7	30.1	35.6	41.6	47.3	51.9	55.1	56.5
-50	0.11	0.28	1.48	3.59	6.27	9.28	12.7	16.3	20.1	24.5	30.1	35.9	43.7	53.3	63.3	72.4	79.3	83.1	84.1
-45	0.11	0.13	1.08	3.29	6.29	9.67	13.5	17.6	22.1	26.9	33.8	41.2	50.4	63.1	77.1	90.7	102	109	112
-40	0.10	0.40	2.22	5.24	8.90	13.0	17.6	22.8	30.0	40.5	54.6	71.6	93.3	117	140	159	175	185	187
-35	0.11	0.14	1.55	4.57	8.48	12.9	17.8	23.6	31.3	45.0	63.4	87.3	118	152	185	213	236	254	263
-30	0.10	0.56	2.98	6.90	11.5	16.6	22.5	29.6	42.2	62.8	90.2	126	169	214	254	287	314	333	338
-25	0.11	0.16	2.00	5.72	10.4	15.7	21.8	29.4	42.9	66.5	98.0	139	190	246	305	370	446	519	560
-20	0.11	0.72	3.62	8.14	13.5	19.4	26.6	37.7	60.1	93.4	136	190	254	325	406	512	641	749	787
-15	0.11	0.18	2.43	6.71	12.1	18.1	25.3	35.1	56.8	91.3	138	196	266	346	438	561	732	905	1005
-10	0.11	0.82	4.05	9.01	14.8	21.3	29.5	43.9	73.4	116	171	237	316	414	553	766	1030	1255	1340
-5	0.11	0.21	2.56	7.11	12.7	19.0	26.7	38.0	63.7	104	158	222	299	397	541	782	1116	1448	1652
0	0.11	0.87	4.29	9.51	15.6	22.4	31.3	48.4	82.1	132	194	266	354	480	694	1050	1481	1851	1997
5	0.11	0.23	2.59	7.15	12.8	19.1	26.8	38.3	64.3	105	159	225	303	401	547	791	1129	1465	1672
10	0.11	0.85	4.12	9.09	14.9	21.5	29.8	44.6	74.9	119	175	243	324	423	566	788	1060	1292	1380
15	0.11	0.23	2.51	6.82	12.2	18.3	25.6	35.9	58.5	94.5	143	203	277	359	455	588	772	957	1064
20	0.12	0.78	3.74	8.31	13.7	19.7	27.2	38.9	62.6	97.6	143	200	268	342	427	543	683	799	841
25	0.12	0.22	2.13	5.91	10.7	16.1	22.3	30.4	45.0	70.3	104	148	203	264	326	396	480	561	607
30	0.13	0.66	3.16	7.18	11.8	17.2	23.4	31.1	45.2	67.7	98.1	138	186	235	278	314	347	371	379
35	0.13	0.21	1.70	4.81	8.82	13.4	18.6	24.7	33.3	48.5	68.9	95.9	131	169	205	236	263	285	296
40	0.15	0.52	2.41	5.52	9.29	13.6	18.5	24.1	32.2	43.9	59.7	79.5	105	132	158	180	199	211	215
45	0.15	0.20	1.24	3.52	6.65	10.2	14.3	18.7	23.6	29.2	37.0	45.9	58.1	74.1	91.6	108	121	129	132
50	0.16	0.39	1.67	3.87	6.68	9.93	13.5	17.5	21.7	26.8	33.1	40.3	50.6	62.6	74.9	85.8	93.6	98.1	99.5
55	0.16	0.20	0.80	2.27	4.37	6.86	9.79	12.9	16.3	19.9	24.1	28.5	34.1	41.1	48.6	55.5	61.1	64.8	66.5
60	0.18	0.28	0.94	2.23	3.98	6.12	8.50	11.1	13.7	16.2	18.5	20.7	23.1	25.6	28.0	30.1	32.0	33.3	33.7
65	0.18	0.20	0.48	1.24	2.40	3.86	5.61	7.50	9.52	11.5	13.3	15.0	16.8	18.6	20.5	22.1	23.5	24.7	25.3
70	0.19	0.24	0.52	1.09	1.93	2.97	4.17	5.50	6.91	8.24	9.48	10.7	11.9	13.1	14.2	15.2	16.1	16.8	17.0
75	0.19	0.20	0.26	0.43	0.74	1.19	1.75	2.41	3.16	3.96	4.70	5.39	6.05	6.65	7.15	7.59	8.01	8.40	8.62
80	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
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<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:09 July 2024

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.4118]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.0V I:3.211A P:697.3W PF:0.9785 Freq:49.98Hz Lamp Flux:100307x1 lm		
NAME: RK-FL700W-07-G11-30D	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	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
-75	7.40	7.17	6.87	6.50	6.13	5.68	5.13	4.58	3.99	3.35	2.66	2.05	1.50	1.06	0.73	0.50	0.34	0.24
-70	14.4	13.8	13.1	12.3	11.4	10.4	9.45	8.48	7.43	6.23	4.95	3.78	2.72	1.81	1.07	0.57	0.27	0.20
-65	21.7	21.0	20.0	18.8	17.4	16.0	14.5	13.2	11.7	10.1	8.26	6.44	4.73	3.22	1.96	0.98	0.37	0.19
-60	28.5	27.4	25.9	24.2	22.3	20.3	18.5	16.8	14.8	12.5	10.1	7.71	5.51	3.58	1.99	0.83	0.23	0.15
-55	56.1	53.8	49.7	44.4	38.4	32.6	27.6	23.9	20.6	17.3	14.2	11.2	8.33	5.75	3.50	1.67	0.49	0.15
-50	82.2	77.3	69.5	59.9	49.8	40.7	33.5	28.4	23.6	19.6	15.9	12.4	9.02	6.06	3.41	1.39	0.25	0.13
-45	111	106	96.2	83.4	69.1	55.6	44.5	36.7	30.5	25.0	20.6	16.3	12.3	8.63	5.35	2.56	0.69	0.13
-40	182	170	153	133	110	86.4	66.0	50.0	37.5	28.3	21.9	17.0	12.5	8.52	4.91	2.03	0.32	0.11
-35	259	245	225	200	169	135	103	75.1	53.8	38.3	27.7	21.5	16.2	11.5	7.25	3.59	1.00	0.11
-30	328	305	277	243	202	158	116	81.6	56.5	38.5	28.0	21.6	16.0	11.0	6.47	2.75	0.42	0.10
-25	550	491	410	337	275	218	164	118	81.5	54.3	35.8	26.1	19.5	13.9	8.88	4.48	1.27	0.11
-20	734	614	481	379	302	234	174	123	82.6	52.9	34.1	25.1	18.4	12.7	7.59	3.24	0.54	0.10
-15	982	843	654	495	387	303	229	166	114	72.7	44.6	30.1	22.3	15.9	10.2	5.23	1.49	0.10
-10	1234	992	722	513	382	290	217	155	103	64.1	39.0	27.6	20.2	14.0	8.41	3.62	0.63	0.10
-5	1614	1354	999	676	467	345	260	192	131	82.9	50.1	32.2	23.6	16.8	10.9	5.57	1.61	0.10
0	1827	1439	998	644	441	326	246	178	118	72.0	42.7	29.2	21.3	14.9	8.91	3.88	0.70	0.10
5	1634	1372	1014	687	474	349	263	194	133	83.8	50.5	32.4	23.8	17.0	11.0	5.64	1.64	0.10
10	1274	1026	748	530	392	297	223	159	106	65.4	39.6	27.9	20.4	14.2	8.58	3.72	0.67	0.11
15	1042	898	699	527	407	315	238	174	118	75.3	45.8	30.7	22.7	16.3	10.6	5.43	1.58	0.11
20	787	660	518	405	319	246	184	130	87.0	55.1	35.1	25.7	18.9	13.1	7.91	3.43	0.61	0.11
25	596	534	447	366	296	233	176	127	87.3	57.5	37.3	27.0	20.2	14.4	9.29	4.75	1.39	0.13
30	366	340	307	268	221	172	128	89.7	61.5	41.0	29.3	22.5	16.7	11.5	6.89	3.00	0.52	0.12
35	293	276	252	223	188	150	114	83.0	59.0	41.3	29.3	22.5	17.0	12.1	7.74	3.92	1.15	0.15
40	209	195	175	152	124	97.6	74.1	55.6	41.0	30.3	23.2	18.0	13.3	9.16	5.37	2.31	0.41	0.14
45	131	126	115	100	82.9	66.5	51.8	41.9	33.7	27.0	22.0	17.4	13.2	9.39	5.91	2.92	0.86	0.17
50	97.5	92.1	83.0	71.5	59.2	47.8	38.5	31.9	25.9	21.2	17.1	13.3	9.80	6.68	3.84	1.63	0.33	0.16
55	66.1	63.6	58.9	52.5	45.2	38.1	31.7	27.0	22.7	18.8	15.4	12.1	9.09	6.37	3.94	1.93	0.60	0.18
60	33.1	31.8	29.9	27.8	25.4	23.0	20.8	18.6	16.3	13.7	11.1	8.48	6.15	4.06	2.30	0.97	0.28	0.18
65	25.2	24.4	23.1	21.7	20.0	18.2	16.5	14.8	13.1	11.2	9.17	7.14	5.30	3.66	2.23	1.11	0.41	0.19
70	16.7	16.1	15.2	14.3	13.2	12.0	10.8	9.69	8.43	7.03	5.62	4.30	3.11	2.06	1.19	0.57	0.25	0.19
75	8.58	8.32	8.01	7.65	7.24	6.73	6.13	5.50	4.80	4.02	3.20	2.48	1.82	1.26	0.78	0.45	0.28	0.20
80	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
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<sub>(β)</sub> Range:-90 - 90DEG  
H<sub>(β)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:09 July 2024

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.4118]  
Remarks: