

LED FLOOD LIGHT



Light Output Ratio:	100.0%
Luminaire Power:	34.85 W
90% Beam Spread	5.0V x 22.4H
50% Beam Lumens	418.6 lumens per klm.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 23DEG
Operators: WEIQI
Test Date: 2018-01-10

g Range: 0 - 120DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 56%
Test Distance: 10.580m [K=1.0000]
Remarks:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

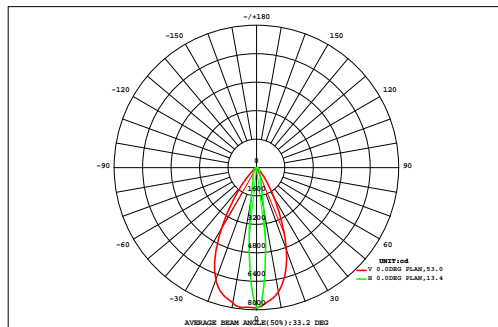
Maximum Intensity		2890.4 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	34.1V x 81.5H
	At 50% of Imax	13.5V x 52.5H
	At 90% of Imax	5.0V x 22.4H
Beam Flux	Total	1000.6 lumens per klm.
	To 10% of Imax	723.3 lumens per klm.
	To 50% of Imax	418.6 lumens per klm.
	To 90% of Imax	101.2 lumens per klm.
	Upward LOR	0.3 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

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g Range: 0 - 120DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.580m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.11V I:0.3446A P:34.852W PF:0.4597 Freq:49.99Hz Lamp Flux:303.998x9 lm		
NAME: TL-OU-1136FD-9 35W 3000K 10X70D	TYPE:Flood Light	SERIAL No.:
	SUR.:	



DATA OF LAMP		Eff:78.50lm/W	
MODEL		Imax(cd)	7908
NOMINAL POWER(W)	35	AVAILABILITY(%)	72.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1987
NOMINAL FLUX(lm)	303.998	LOR(%)	100.0
LAMPS INSIDE	9	TOTAL FLUX(lm)	2736
TEST VOLTAGE(V)	220.1	q @50%(H,V)	52,14DEG

90 80 70 60 50 40 30 -30 -40 -50 -60 -70 -80 -90	AREA FLUX DIAGRAM															UNIT:lm			F t	F a
	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.29	0.00	
	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.03	0.02	0.01	0.01	0.00	0.46	0.00
	0.00	0.01	0.02	0.04	0.07	0.14	0.25	0.37	0.48	0.52	0.44	0.31	0.19	0.10	0.05	0.03	0.01	0.00	3.05	0.00
	0.00	0.01	0.04	0.10	0.34	0.82	1.47	2.15	2.65	2.75	2.49	1.91	1.16	0.54	0.19	0.05	0.02	0.00	16.7	0.00
	0.00	0.02	0.06	0.34	1.07	2.24	3.66	4.67	5.16	5.21	4.86	4.08	2.86	1.48	0.56	0.12	0.02	0.00	36.4	0.00
	0.00	0.02	0.14	0.77	2.11	4.26	6.48	7.83	8.33	8.14	7.41	6.26	4.64	2.67	1.10	0.27	0.04	0.00	60.5	0.00
	0.00	0.03	0.26	1.27	3.27	7.09	10.7	12.8	13.9	13.7	12.1	9.60	6.95	4.08	1.71	0.47	0.06	0.01	98.0	0.00
	0.00	0.03	0.39	1.67	4.87	17.8	34.3	40.8	32.9	28.0	22.5	16.8	10.6	6.03	2.36	0.68	0.08	0.01	220	134
	0.01	0.04	0.48	1.94	6.22	29.9	93.2	160	165	131	104	74.8	38.2	12.2	2.96	0.85	0.10	0.01	822	794
	0.01	0.04	0.53	2.04	5.95	21.1	58.8	114	155	168	165	130	57.6	15.0	3.16	0.92	0.11	0.01	897	869
	0.01	0.04	0.52	1.99	4.89	9.98	17.3	24.7	32.3	39.1	41.1	42.9	31.5	11.1	2.86	0.88	0.11	0.01	261	191
	0.01	0.04	0.45	1.74	4.13	7.18	9.98	12.7	14.9	16.0	15.4	13.5	10.6	6.10	2.40	0.76	0.09	0.01	116	0.00
	0.00	0.03	0.32	1.34	3.17	5.72	7.51	8.86	9.89	10.3	9.91	8.68	6.74	3.98	1.88	0.59	0.06	0.01	79.0	0.00
	0.00	0.03	0.18	0.86	2.14	4.08	5.71	6.73	7.34	7.56	7.36	6.53	4.71	2.76	1.32	0.38	0.04	0.01	57.7	0.00
	0.00	0.02	0.09	0.43	1.17	2.28	3.55	4.56	5.12	5.29	5.01	4.14	2.79	1.65	0.75	0.18	0.03	0.00	37.1	0.00
	0.00	0.02	0.06	0.16	0.46	0.99	1.67	2.36	2.77	2.80	2.45	1.87	1.28	0.72	0.28	0.07	0.02	0.00	18.0	0.00
	0.00	0.01	0.04	0.08	0.14	0.24	0.39	0.57	0.70	0.74	0.67	0.53	0.35	0.19	0.09	0.05	0.02	0.00	4.82	0.00
	0.00	0.01	0.02	0.04	0.06	0.09	0.11	0.13	0.14	0.14	0.13	0.12	0.10	0.07	0.05	0.03	0.01	0.00	1.26	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90
F t	0.07	0.44	3.62	14.8	40.1	114	255	403	457	439	401	322	180	68.7	21.8	6.37	0.85	0.08	2729	---
F a	0.00	0.00	0.00	0.00	0.00	48.0	186	325	372	353	319	248	122	14.1	0.00	0.00	0.00	0.00	---	1987

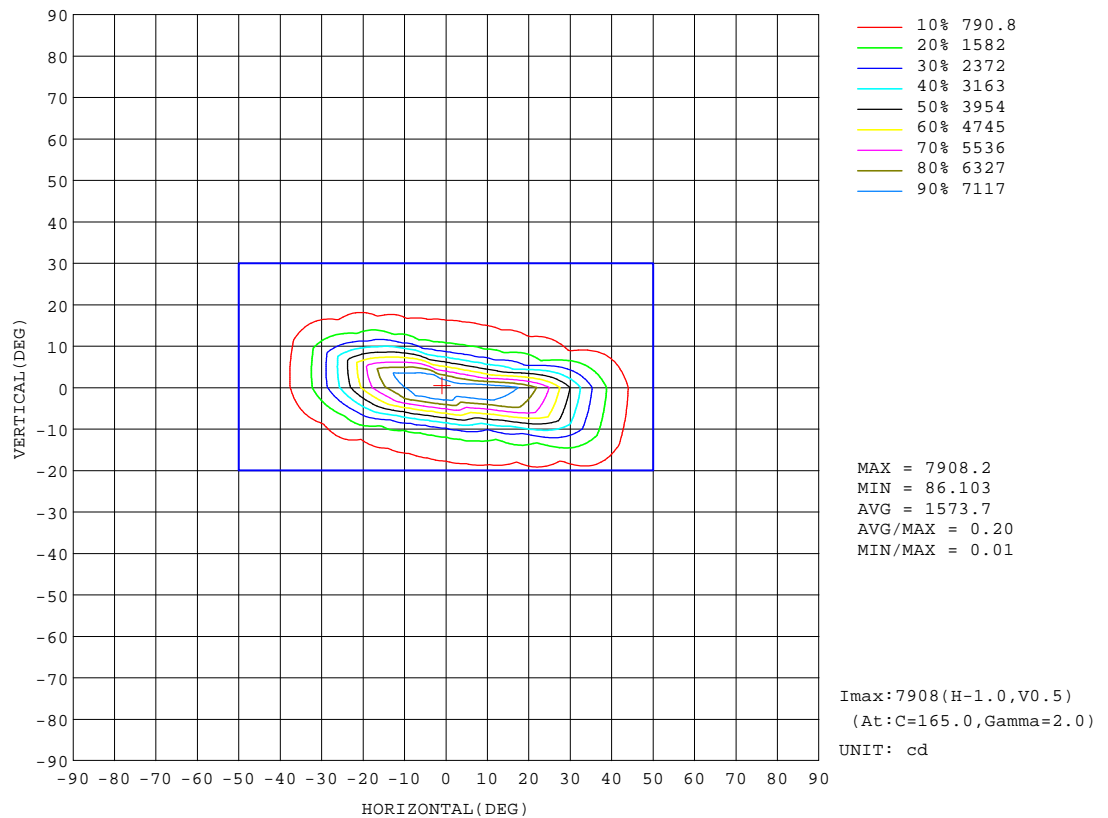
one-half-peak spread: U:7.8,D:5.8 , L:22.3,R:26.1 Beam Type: Type 5 x 3 (H x V)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:WEIQI
Test Date:2018-01-10

g Range: 0 - 120DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.580m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.11V I:0.3446A P:34.852W PF:0.4597 Freq:49.99Hz Lamp Flux:303.998x9 lm		
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	SUR.:	

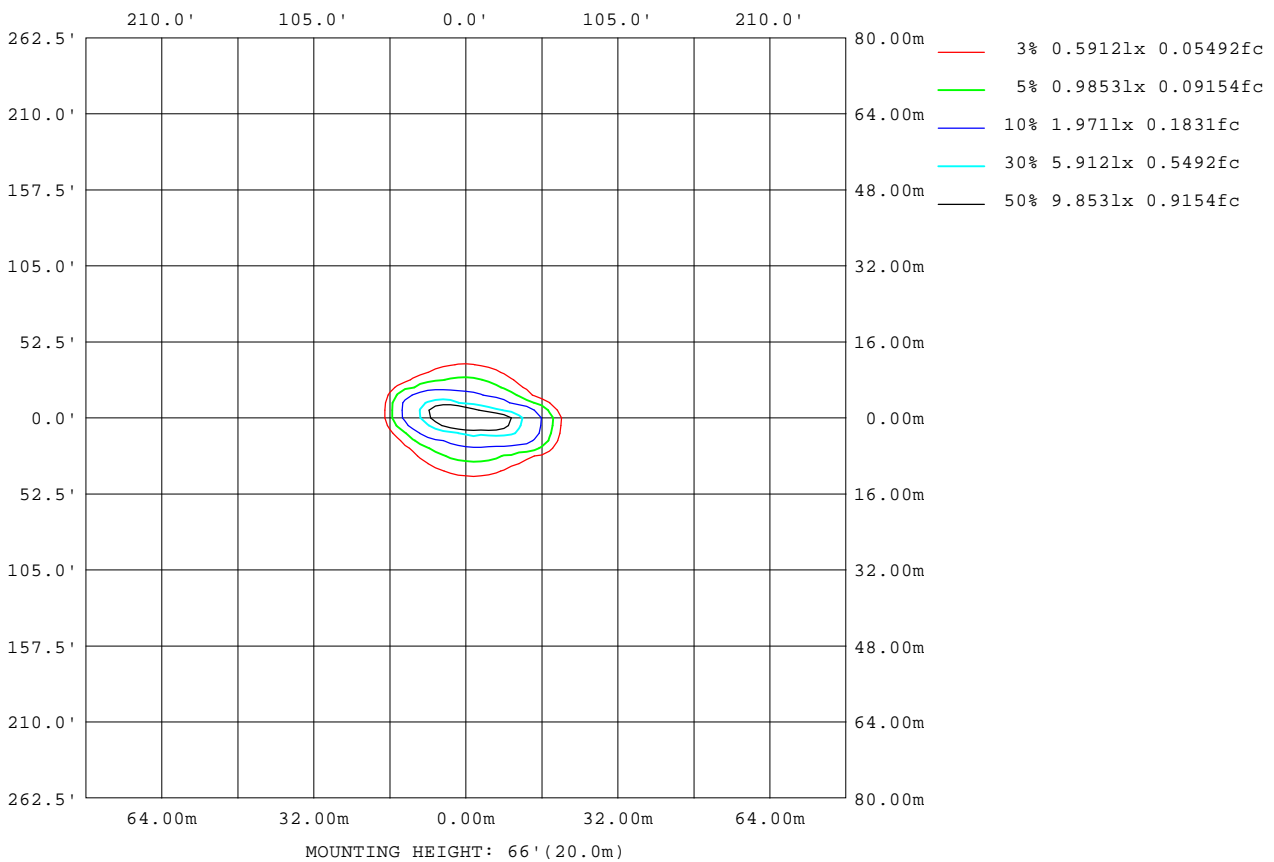


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Remarks:

ISOLUX DIAGRAM

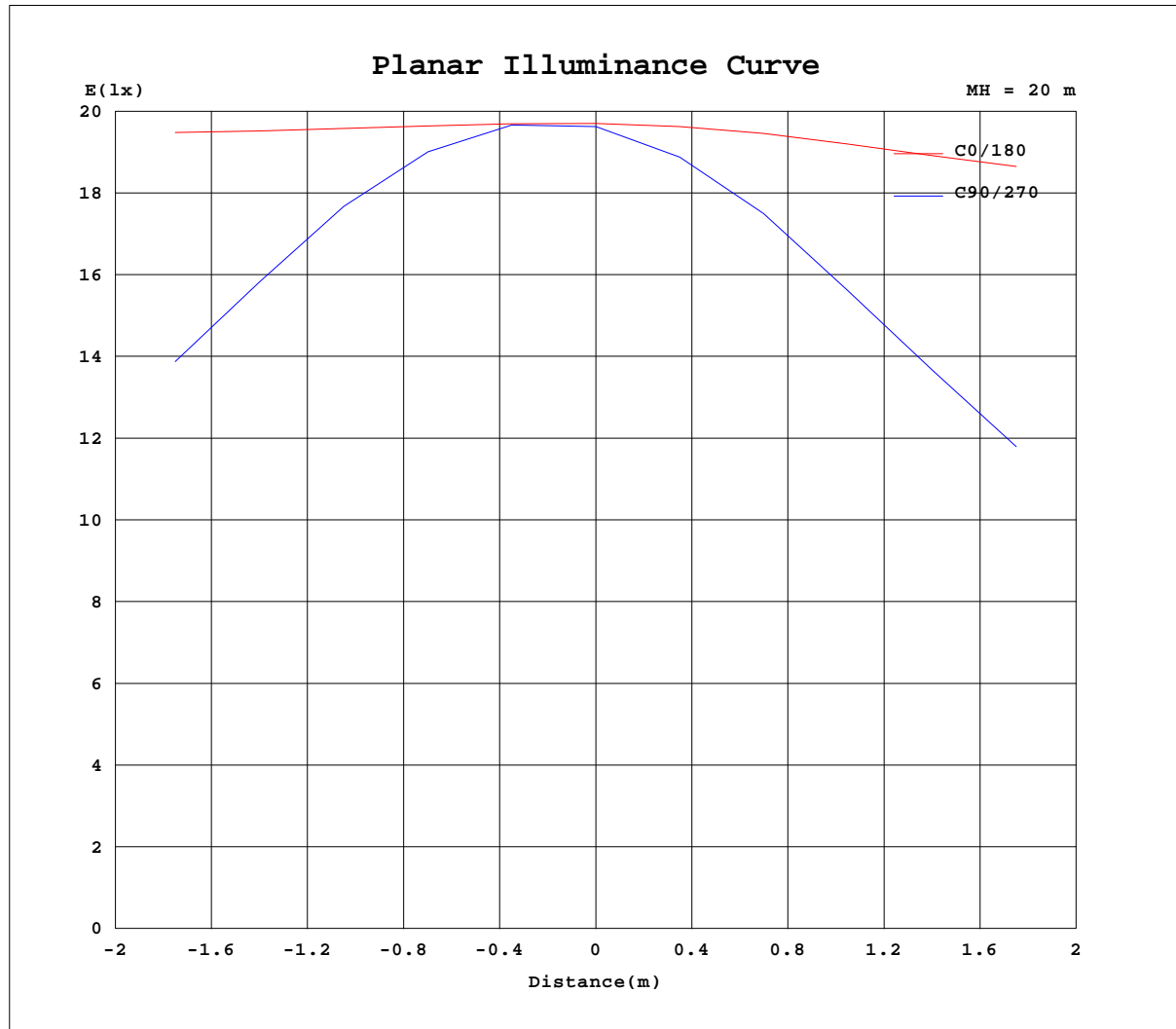
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Planar Illuminance Curve



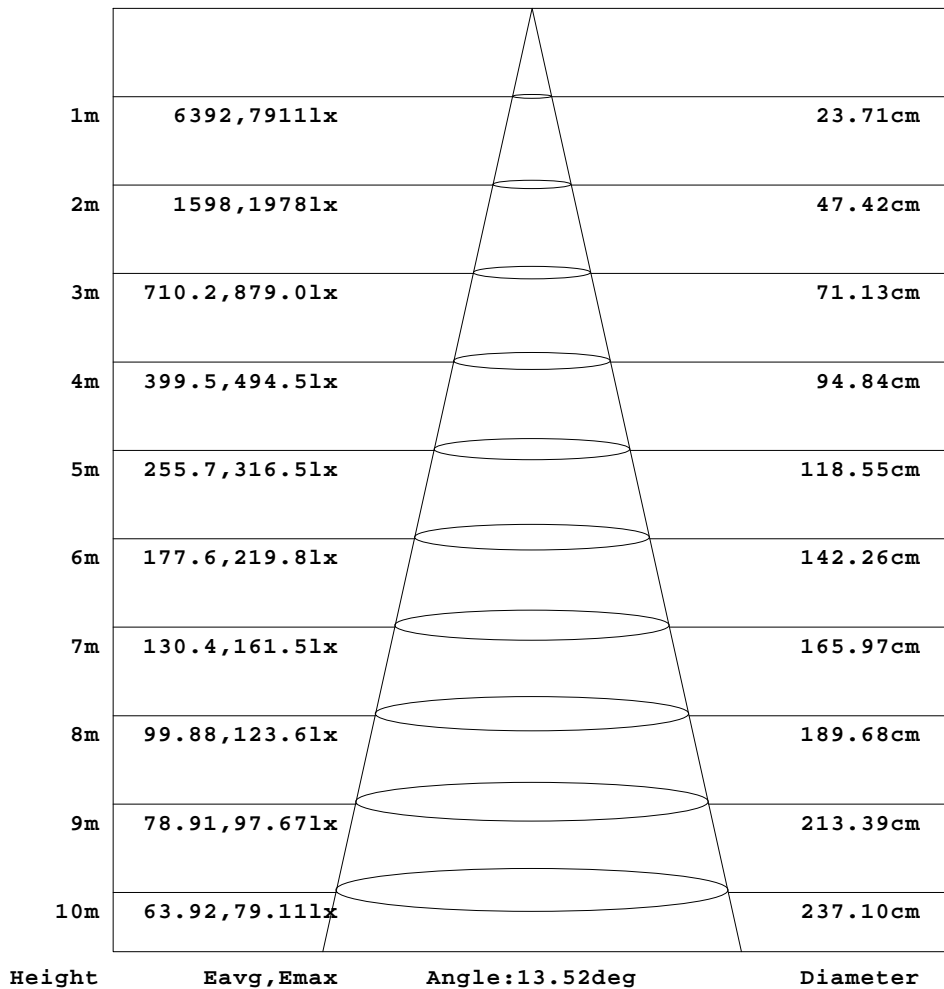
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AAI Figure

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	SUR.:	

Flux out:302.7 lm



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

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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	SUR.:	

Table--1

UNIT: cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	1.30	1.94	2.83	4.09	5.69	7.54	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-170	1.30	1.86	2.60	3.62	4.88	6.36	8.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-160	1.30	1.76	2.33	3.07	3.95	4.97	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-150	1.30	1.64	2.04	2.50	2.99	3.52	4.32	5.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-140	1.30	1.52	1.76	1.94	2.10	2.43	3.07	3.78	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-130	1.30	1.41	1.49	1.47	1.43	1.74	2.06	2.36	2.69	2.98	3.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-120	1.30	1.30	1.25	1.11	1.09	1.23	1.35	1.46	1.60	1.67	1.71	1.82	1.88	1.92	1.98	2.00	2.04	2.08	2.08
-110	1.30	1.20	1.05	0.82	0.83	0.88	0.91	0.96	1.00	1.03	1.07	1.10	1.13	1.16	1.19	1.20	1.21	1.22	1.22
-100	1.30	1.16	0.91	0.63	0.67	0.65	0.64	0.66	0.65	0.64	0.66	0.66	0.67	0.67	0.67	0.66	0.67	0.67	0.67
-90	1.30	1.16	1.02	0.88	1.09	1.30	1.50	1.67	1.84	2.01	2.04	2.07	2.10	2.18	2.26	2.35	2.39	2.44	2.48
-80	1.30	1.17	1.25	1.50	1.87	2.25	2.66	3.17	3.72	4.30	4.83	5.34	5.84	6.28	6.64	6.96	7.15	7.30	7.41
-70	1.30	1.18	1.56	2.01	2.68	3.57	4.59	5.71	7.30	10.3	13.7	18.4	23.3	29.7	36.4	42.6	47.1	50.3	52.5
-60	1.30	1.27	1.86	2.60	3.74	5.19	7.45	14.5	23.8	35.5	47.9	62.9	77.3	91.5	106	118	127	132	135
-50	1.30	1.39	2.13	3.24	4.83	7.87	18.8	34.3	54.2	74.0	97.9	125	150	167	182	194	202	207	210
-40	1.30	1.50	2.37	3.82	5.84	17.1	36.2	61.7	88.4	122	161	202	227	241	249	261	271	279	283
-30	1.30	1.58	2.57	4.26	7.95	27.3	55.8	87.5	123	168	223	260	286	309	331	351	372	388	397
-20	1.30	1.63	2.68	4.53	11.0	34.9	68.9	105	151	206	271	327	366	431	485	539	583	631	667
-10	1.30	1.65	2.71	4.59	11.9	38.1	73.6	113	163	236	368	502	696	1049	1347	1475	1704	1994	2279
0	1.30	1.64	2.64	4.43	10.1	35.9	70.9	111	161	259	556	1126	2044	3351	4893	6218	7099	7548	7883
10	1.30	1.59	2.51	4.17	8.45	31.0	63.6	102	148	235	491	1057	1818	2515	2963	3133	2765	2070	1802
20	1.30	1.52	2.31	3.74	5.92	23.2	48.9	84.3	120	176	270	413	458	572	598	615	596	600	597
30	1.30	1.43	2.07	3.17	4.75	12.3	30.0	56.9	86.1	123	163	216	264	295	316	330	342	350	352
40	1.30	1.33	1.82	2.56	3.71	5.22	14.5	28.8	48.1	70.6	97.6	125	159	180	193	208	209	211	209
50	1.30	1.22	1.56	1.98	2.64	3.63	4.78	9.55	17.8	29.1	42.6	57.4	73.7	88.2	104	121	129	136	139
60	1.30	1.14	1.26	1.51	1.78	2.20	2.77	3.50	4.24	5.58	9.04	12.9	18.4	23.2	28.4	34.5	40.7	45.8	49.1
70	1.30	1.11	1.11	1.05	1.19	1.28	1.36	1.50	1.67	1.84	2.10	2.37	2.62	2.87	3.06	3.15	3.30	3.39	3.41
80	1.30	1.19	1.10	1.03	0.95	0.89	0.83	0.80	0.78	0.73	0.71	0.69	0.66	0.63	0.60	0.57	0.55	0.54	0.52
90	1.30	1.28	1.26	1.25	1.21	1.18	1.15	1.13	1.11	1.09	1.08	1.07	1.07	1.06	1.06	1.06	1.06	1.06	1.07
100	1.30	1.37	1.44	1.53	1.58	1.60	1.61	1.62	1.60	1.56	1.57	1.56	1.54	1.55	1.55	1.55	1.55	1.55	1.54
110	1.30	1.46	1.66	1.88	2.06	2.22	2.37	2.48	2.55	2.56	2.60	2.61	2.55	2.53	2.53	2.48	2.47	2.46	2.43
120	1.30	1.56	1.89	2.27	2.64	3.04	3.47	3.89	4.22	4.54	4.83	5.00	5.07	5.10	5.00	4.73	4.55	4.42	4.20
130	1.30	1.66	2.13	2.66	3.36	4.05	4.85	5.72	6.55	7.33	8.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	1.30	1.74	2.34	3.10	4.05	5.16	6.33	7.62	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	1.30	1.82	2.53	3.50	4.70	6.14	7.71	9.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	1.30	1.89	2.68	3.80	5.22	6.88	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	1.30	1.93	2.79	4.01	5.56	7.36	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	1.30	1.94	2.83	4.09	5.69	7.54	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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C Interval: 15.0DEG
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g Range: 0 - 120DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.580m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.11V I:0.3446A P:34.852W PF:0.4597 Freq:49.99Hz Lamp Flux:303.998x9 lm		
NAME: TL-OU-1136FD-9 35W 3000K 10X70D	TYPE:Flood Light	SERIAL No.:
	SUR.:	

Table--2

UNIT: cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	3.52	2.34	1.53	0.98	0.64	0.78	
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.89	3.39	2.27	1.49	0.96	0.64	0.78	
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.37	3.06	2.08	1.38	0.93	0.63	0.78	
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.85	3.61	2.59	1.81	1.23	0.86	0.61	0.78	
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.48	3.52	2.71	2.04	1.48	1.07	0.79	0.59	0.78	
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.83	3.31	2.83	2.35	1.90	1.50	1.17	0.90	0.70	0.59	0.78	
-120	2.10	2.10	2.11	2.15	2.13	2.12	2.07	1.96	1.81	1.64	1.45	1.25	1.06	0.89	0.75	0.62	0.62	0.78	
-110	1.21	1.19	1.17	1.16	1.13	1.11	1.09	1.03	0.99	0.95	0.89	0.81	0.75	0.68	0.61	0.62	0.67	0.78	
-100	0.66	0.66	0.66	0.66	0.65	0.64	0.63	0.62	0.58	0.60	0.62	0.64	0.71	0.75	0.78	0.82	0.78	0.78	
-90	2.44	2.40	2.36	2.30	2.25	2.20	2.21	2.22	2.23	2.09	1.95	1.81	1.65	1.49	1.33	1.15	0.96	0.78	
-80	7.53	7.57	7.51	7.26	6.83	6.46	5.97	5.49	4.99	4.40	3.83	3.29	2.76	2.29	1.86	1.47	1.12	0.78	
-70	52.2	50.9	48.2	43.4	38.8	34.5	28.1	22.0	17.4	11.4	6.97	5.39	4.38	3.42	2.55	1.84	1.27	0.78	
-60	133	129	123	114	103	90.0	77.5	66.2	53.3	39.2	27.8	15.8	6.61	4.72	3.38	2.24	1.41	0.78	
-50	216	219	218	213	201	175	148	123	100	80.3	58.6	36.4	19.9	6.52	4.22	2.67	1.54	0.78	
-40	287	286	285	281	272	256	232	191	154	121	91.0	61.4	34.6	14.7	4.97	3.05	1.66	0.78	
-30	409	413	407	393	369	352	322	273	216	163	119	85.1	50.3	23.9	5.93	3.37	1.75	0.78	
-20	695	712	705	694	708	604	680	563	365	214	147	99.9	61.2	28.4	8.19	3.60	1.81	0.78	
-10	2680	2468	2878	3174	3297	2815	1948	1126	581	274	164	109	67.8	31.5	9.70	3.69	1.82	0.78	
0	7884	7724	7379	6707	5517	3931	2443	1357	676	300	168	110	67.9	30.9	9.53	3.64	1.79	0.78	
10	1616	1375	1229	1157	958	712	614	544	384	228	146	95.0	57.5	25.9	8.12	3.42	1.74	0.78	
20	582	557	523	478	429	372	335	283	223	163	112	72.8	42.6	18.8	6.04	3.08	1.65	0.78	
30	347	337	321	302	280	258	228	196	155	114	77.1	48.7	26.3	11.7	4.35	2.66	1.53	0.78	
40	208	203	199	192	184	167	149	125	92.2	68.4	45.4	26.8	12.9	5.45	3.39	2.20	1.40	0.78	
50	140	137	130	124	112	94.3	78.4	59.2	43.5	29.6	18.7	10.2	5.02	3.45	2.48	1.77	1.25	0.78	
60	51.8	52.4	48.5	40.7	34.1	26.2	19.9	14.3	9.65	6.76	4.46	3.65	2.84	2.15	1.69	1.40	1.12	0.78	
70	3.45	3.43	3.36	3.33	3.22	3.05	2.87	2.60	2.32	2.08	1.81	1.57	1.40	1.27	1.17	1.10	1.00	0.78	
80	0.52	0.52	0.52	0.54	0.54	0.55	0.58	0.60	0.59	0.69	0.72	0.71	0.81	0.85	0.84	0.90	0.91	0.78	
90	1.06	1.05	1.04	1.03	1.02	1.02	1.00	0.98	0.96	0.94	0.93	0.91	0.91	0.91	0.91	0.86	0.82	0.78	
100	1.52	1.50	1.48	1.45	1.43	1.40	1.38	1.35	1.32	1.29	1.26	1.22	1.19	1.14	1.08	0.86	0.72	0.78	
110	2.40	2.36	2.30	2.25	2.18	2.10	2.03	1.93	1.85	1.81	1.72	1.64	1.55	1.44	1.27	0.94	0.69	0.78	
120	4.13	4.01	3.90	3.79	3.61	3.50	3.37	3.14	2.96	2.76	2.53	2.28	2.06	1.82	1.46	1.02	0.70	0.78	
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.59	4.99	4.42	3.81	3.20	2.71	2.28	1.63	1.09	0.71	0.78	
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.49	5.35	4.34	3.48	2.59	1.75	1.14	0.72	0.78	
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.88	5.50	4.03	2.75	1.81	1.16	0.72	0.78	
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.85	4.12	2.77	1.79	1.14	0.70	0.78	
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.67	3.95	2.64	1.71	1.07	0.68	0.78	
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	3.52	2.34	1.53	0.98	0.64	0.78	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:WEIQI
Test Date:2018-01-10

g Range: 0 - 120DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.580m [K=1.0000]
Remarks: