

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

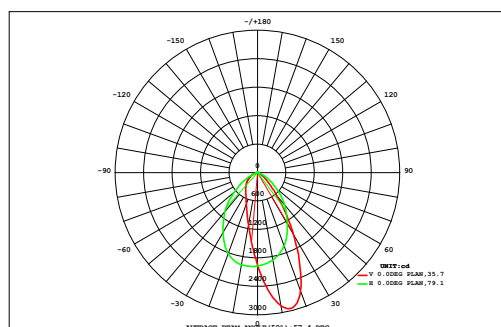
Maximum Intensity		990.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	125.8V x 97.6H
	At 50% of Imax	79.1V x 35.7H
	At 90% of Imax	35.7V x 12.9H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	892.5 lumens per klm.
	To 50% of Imax	455.0 lumens per klm.
	To 90% of Imax	87.3 lumens per klm.
	Upward LOR	1.5 %
	Downward LOR	98.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/



DATA OF LAMP		Eff:72.05lm/W	
MODEL	/	Imax(cd)	2947
NOMINAL POWER(W)	/	AVAILABILITY(%)	89.4
RATED VOLTAGE(V)	/	Avai. FLUX(lm)	2660
NOMINAL FLUX(lm)	110.235	LOR(%)	100.0
LAMPS INSIDE	27	TOTAL FLUX(lm)	2976
TEST VOLTAGE(V)	/	q @50%(H,V)	36,79DEG

		AREA FLUX DIAGRAM														UNIT:lm			F t	F a	
VERTICAL (DEG)	72	0.00	0.01	0.05	0.12	0.27	0.60	1.21	1.87	2.16	2.10	1.80	1.52	1.24	0.94	0.66	0.43	0.27	0.15	15.4	0.00
	64	0.01	0.04	0.13	0.38	1.16	2.67	4.56	6.07	6.13	5.35	4.14	3.28	2.55	1.92	1.31	0.81	0.43	0.21	41.2	12.4
	56	0.02	0.09	0.33	1.14	2.86	6.08	9.91	12.9	12.1	9.71	7.01	5.28	4.01	3.00	2.10	1.30	0.68	0.28	78.7	58.6
	48	0.04	0.17	0.73	2.11	4.92	10.4	17.0	20.9	19.6	15.2	10.6	7.53	5.57	4.10	2.87	1.81	0.95	0.39	125	109
	40	0.06	0.31	1.18	3.18	7.36	14.9	24.7	30.0	27.2	20.1	13.4	9.31	6.87	5.10	3.57	2.27	1.21	0.49	171	159
	32	0.08	0.47	1.66	4.17	9.70	19.8	32.3	38.7	34.7	24.8	16.2	10.9	7.79	5.82	4.14	2.63	1.44	0.60	216	205
	24	0.11	0.63	2.03	5.13	11.7	24.2	38.7	46.5	41.1	28.9	18.5	12.1	8.54	6.30	4.53	2.91	1.62	0.68	254	245
		0.13	0.75	2.37	5.76	13.5	27.6	44.0	51.9	44.9	31.0	19.7	12.9	9.01	6.60	4.78	3.11	1.73	0.74	280	271
		0.14	0.81	2.55	6.28	14.8	29.8	47.2	54.6	46.0	31.1	19.7	13.0	9.19	6.76	4.90	3.20	1.79	0.77	293	284
		0.14	0.82	2.58	6.44	15.3	30.6	47.8	54.4	45.2	30.5	19.4	12.9	9.16	6.75	4.89	3.20	1.78	0.77	293	284
		0.13	0.76	2.47	6.18	14.7	29.6	45.6	51.7	42.9	29.0	18.5	12.3	8.82	6.56	4.75	3.10	1.73	0.74	280	271
	-24	0.10	0.64	2.16	5.71	13.4	27.0	41.1	46.1	38.3	26.1	16.7	11.3	8.21	6.15	4.45	2.89	1.60	0.67	253	243
	-32	0.08	0.47	1.76	4.73	11.5	23.1	34.6	37.9	31.5	21.7	14.2	9.92	7.43	5.61	4.00	2.57	1.42	0.59	213	203
	-40	0.06	0.30	1.23	3.60	8.99	17.6	26.4	28.9	24.1	17.0	11.6	8.37	6.47	4.87	3.41	2.17	1.17	0.48	167	154
-48	0.04	0.16	0.73	2.38	5.88	11.9	18.0	19.6	16.8	12.5	8.93	6.69	5.16	3.88	2.70	1.70	0.90	0.37	118	102	
-56	0.02	0.08	0.30	1.22	3.30	6.79	10.1	11.8	10.2	7.87	5.91	4.64	3.64	2.79	1.95	1.20	0.62	0.27	72.7	51.2	
-64	0.01	0.04	0.12	0.34	1.13	2.68	4.36	5.38	5.00	4.23	3.42	2.80	2.24	1.71	1.18	0.72	0.39	0.19	35.9	6.88	
-72	0.01	0.01	0.04	0.10	0.22	0.46	0.92	1.40	1.55	1.52	1.41	1.23	1.01	0.79	0.57	0.38	0.24	0.14	12.0	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72	
F t	1.13	6.57	22.4	59.0	141	286	449	520	449	319	211	146	107	79.6	56.8	36.4	20.0	8.54	2918	---	
F a	0.00	0.00	0.00	41.5	130	278	441	513	440	308	198	130	89.2	59.0	30.9	1.52	0.00	0.00	---	2660	

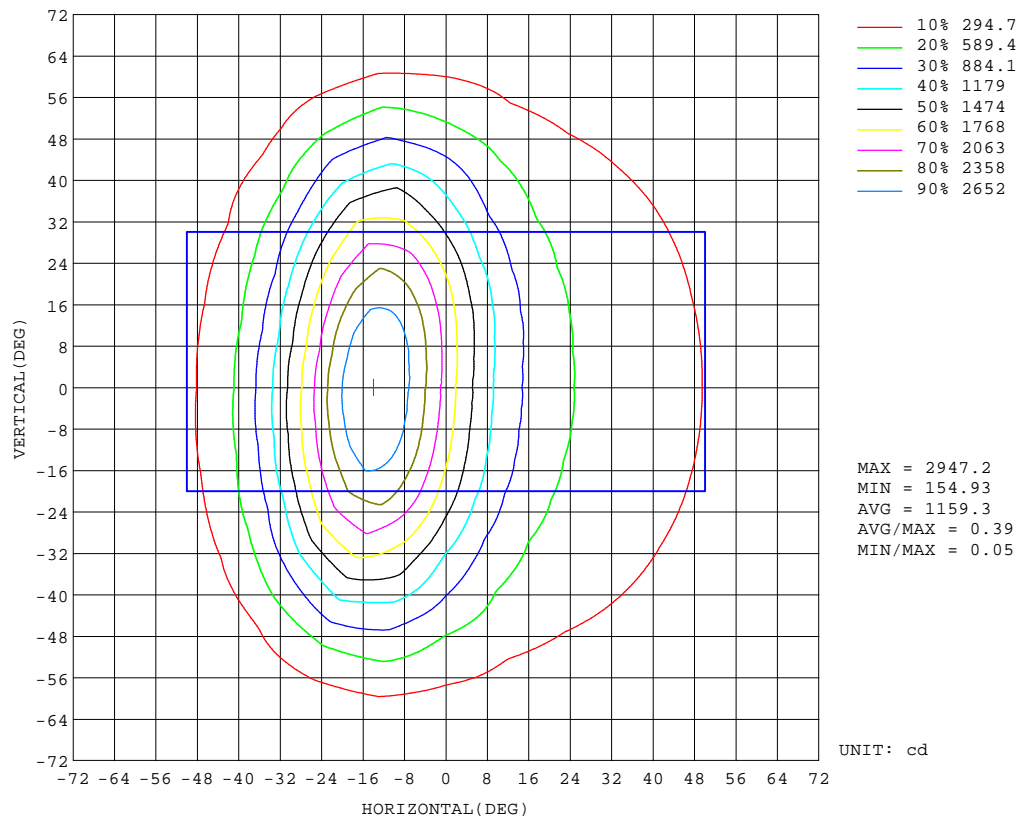
one-half-peak spread: U:43.4,D:36.2 , L:16.7,NEMA Beam Type: Type 5 x 6 (H x V)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/

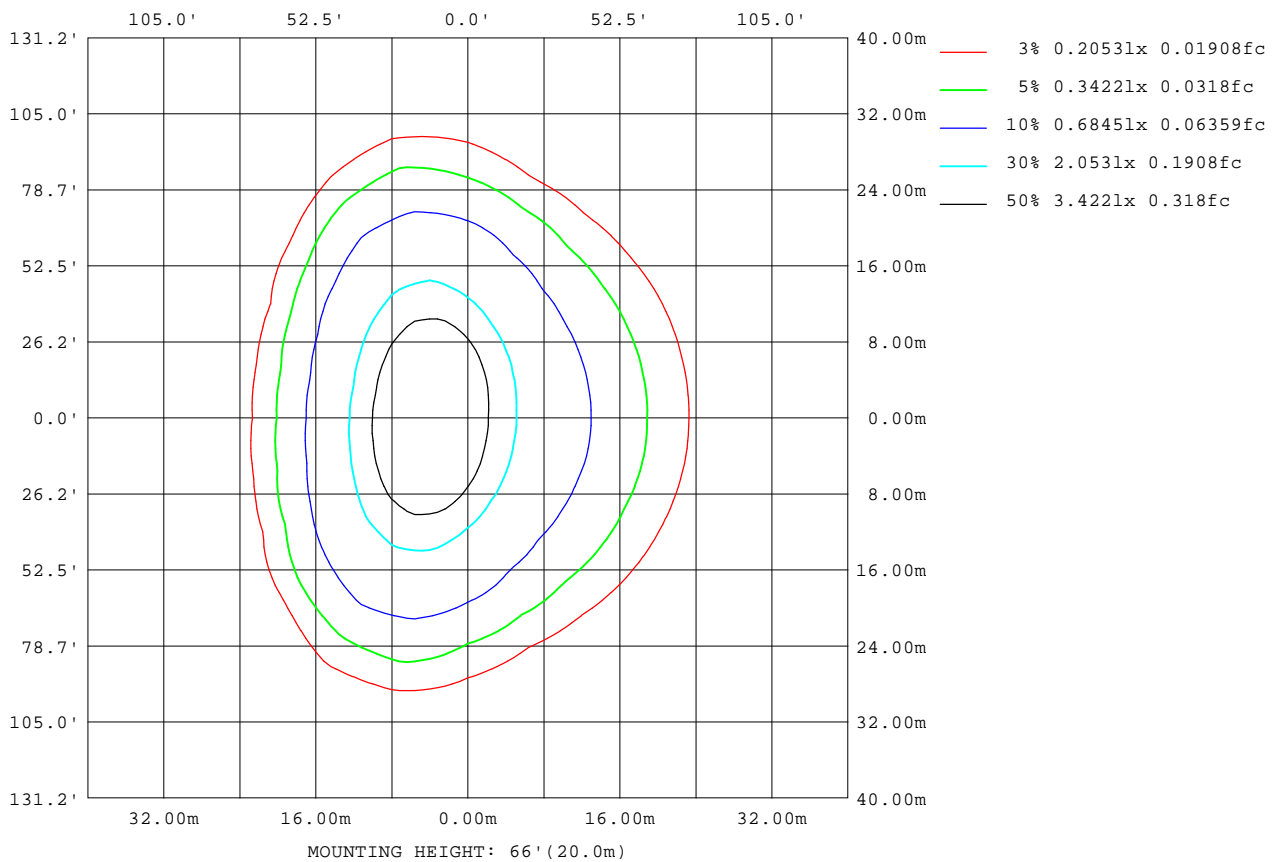


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

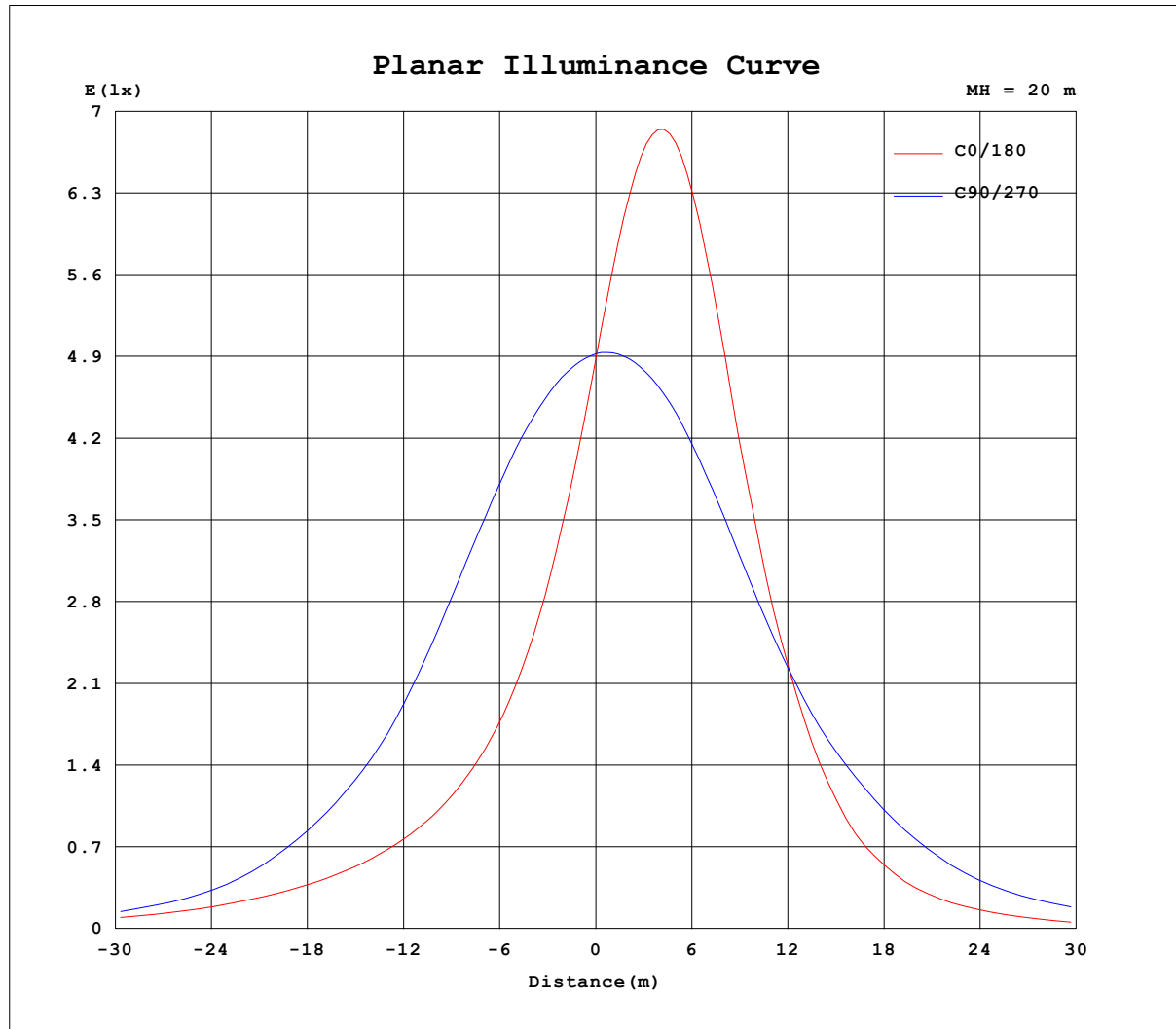
Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks:

Planar Illuminance Curve

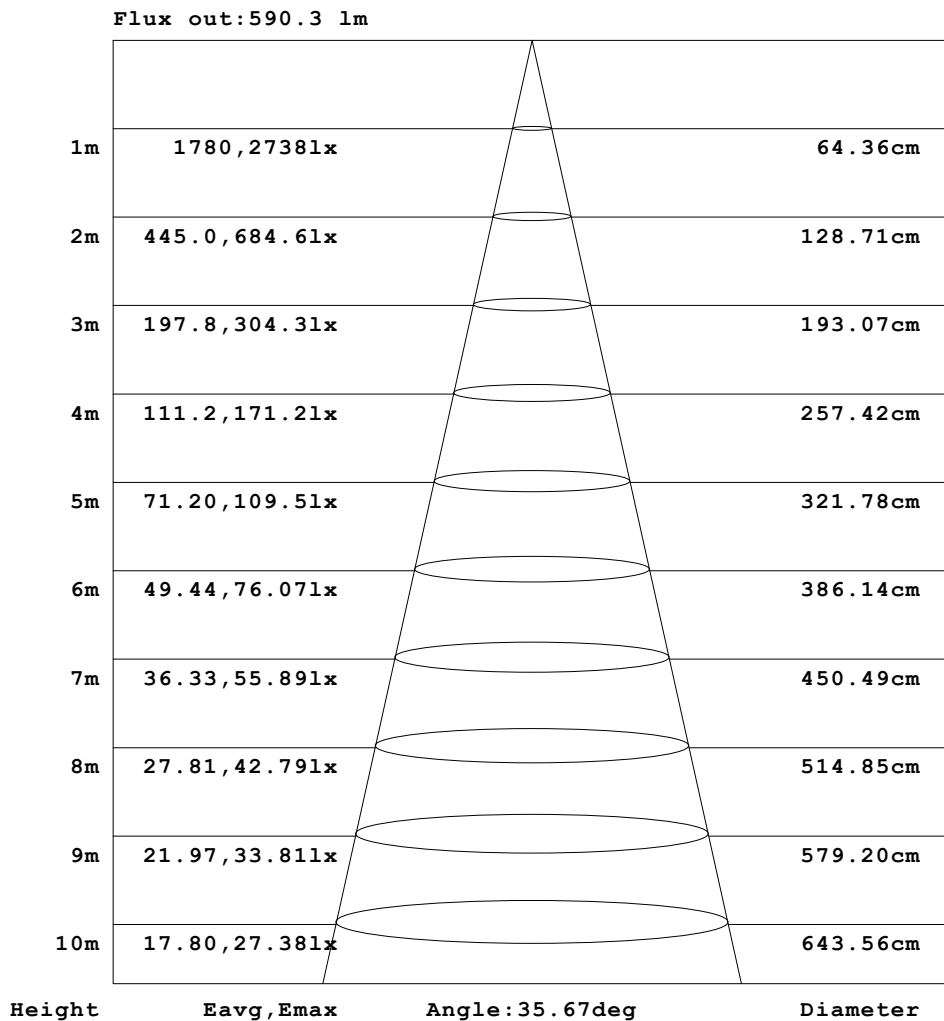


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: /
 Test Date: 2022-03-17

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
 Humidity: 52.6%
 Test Distance: 12.040m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/



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

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: /
Test Date: 2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 52.6%
Test Distance: 12.040m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.51	0.72	0.97	1.30	1.70	2.09	2.52	3.03	3.56	4.27	5.14	6.27	7.72	9.50	11.6	14.0	16.5	18.8	20.3
-170	0.51	0.75	1.06	1.44	1.90	2.40	2.98	3.70	4.60	5.82	7.43	9.56	11.8	13.7	15.5	17.1	18.5	19.6	20.5
-160	0.51	0.78	1.12	1.55	2.03	2.60	3.27	4.10	5.10	6.23	7.59	9.18	10.9	12.6	14.3	15.7	16.8	17.7	18.2
-150	0.51	0.80	1.16	1.60	2.11	2.70	3.29	3.91	4.68	5.61	6.77	8.12	9.58	11.0	12.4	13.6	14.6	15.2	15.5
-140	0.51	0.80	1.18	1.62	2.11	2.58	2.98	3.45	4.07	4.82	5.79	6.83	7.99	9.13	10.3	11.2	12.0	12.5	12.9
-130	0.51	0.81	1.17	1.57	2.01	2.29	2.60	2.95	3.41	3.99	4.66	5.42	6.29	7.15	8.00	8.77	9.42	9.88	10.2
-120	0.51	0.79	1.13	1.50	1.78	1.97	2.17	2.43	2.78	3.13	3.56	4.07	4.63	5.20	5.82	6.38	6.84	7.21	7.52
-110	0.51	0.77	1.07	1.40	1.53	1.65	1.77	1.93	2.14	2.35	2.62	2.88	3.16	3.49	3.87	4.24	4.53	4.77	4.97
-100	0.51	0.75	1.00	1.27	1.31	1.35	1.38	1.49	1.58	1.68	1.79	1.91	2.02	2.19	2.39	2.57	2.70	2.82	2.93
-90	0.51	0.72	0.92	1.13	1.10	1.08	1.05	1.08	1.12	1.15	1.15	1.15	1.16	1.23	1.30	1.37	1.42	1.47	1.52
-80	0.51	0.69	0.83	0.98	0.92	0.86	0.79	0.77	0.77	0.77	1.11	1.60	2.18	3.06	4.03	5.01	6.12	7.20	8.20
-70	0.51	0.63	0.74	0.83	0.79	0.72	0.86	1.61	2.96	4.71	7.18	10.1	13.4	17.0	22.8	32.1	40.7	45.6	48.2
-60	0.51	0.59	0.64	0.72	0.73	1.61	3.64	6.74	11.4	17.4	36.7	73.8	132	183	229	271	277	256	225
-50	0.51	0.54	0.58	0.60	1.73	4.69	9.63	16.6	40.7	92.5	166	272	394	544	643	713	717	622	509
-40	0.51	0.49	0.50	0.86	3.73	9.28	19.5	50.1	102	180	316	517	757	1011	1242	1272	1269	1103	890
-30	0.51	0.44	0.44	1.63	6.24	14.2	40.1	92.4	164	285	448	753	1110	1508	1798	1949	1822	1589	1263
-20	0.51	0.41	0.38	2.45	8.64	22.9	62.1	121	218	356	590	903	1365	1860	2284	2458	2391	2068	1642
-10	0.51	0.37	0.32	3.00	10.3	29.2	77.5	145	251	398	637	1011	1522	2063	2570	2819	2735	2356	1870
0	0.51	0.34	0.26	3.14	10.8	29.6	78.5	152	250	395	636	1027	1531	2105	2655	2935	2849	2463	1953
10	0.51	0.34	0.28	2.98	10.4	29.4	76.8	142	240	377	594	936	1416	1957	2489	2792	2775	2441	1972
20	0.51	0.34	0.29	2.39	8.72	23.2	61.4	115	204	324	516	792	1210	1693	2138	2416	2453	2216	1816
30	0.51	0.34	0.29	1.50	6.25	14.5	40.6	88.6	155	251	388	626	928	1308	1679	1927	1910	1748	1457
40	0.51	0.35	0.29	0.67	3.65	9.60	21.1	52.3	95.1	163	271	419	624	889	1149	1290	1389	1255	1074
50	0.51	0.37	0.31	0.31	1.50	4.89	10.5	19.3	43.1	86.2	142	228	345	490	631	743	787	721	637
60	0.51	0.39	0.31	0.28	0.40	1.56	3.98	7.78	12.9	20.8	40.6	80.2	129	180	239	296	316	310	294
70	0.51	0.43	0.33	0.29	0.29	0.30	0.65	1.72	3.41	5.53	8.65	12.4	16.4	21.4	32.8	47.2	58.4	67.1	73.6
80	0.51	0.49	0.40	0.32	0.32	0.32	0.31	0.30	0.33	0.42	1.10	1.90	2.77	3.93	5.19	6.45	8.05	9.62	11.1
90	0.51	0.50	0.50	0.49	0.48	0.46	0.45	0.42	0.38	0.35	0.37	0.40	0.42	0.41	0.39	0.38	0.49	0.61	0.72
100	0.51	0.52	0.51	0.55	0.60	0.64	0.67	0.68	0.69	0.70	0.74	0.80	0.87	0.92	0.95	0.98	1.05	1.11	1.16
110	0.51	0.54	0.62	0.64	0.77	0.82	0.94	1.02	1.09	1.18	1.30	1.49	1.65	1.81	1.99	2.16	2.33	2.50	2.65
120	0.51	0.58	0.66	0.79	0.88	1.09	1.23	1.42	1.59	1.79	2.04	2.33	2.68	3.02	3.42	3.80	4.18	4.52	4.80
130	0.51	0.62	0.78	0.88	1.08	1.35	1.55	1.83	2.11	2.46	2.83	3.26	3.85	4.49	5.17	5.83	6.47	7.04	7.49
140	0.51	0.64	0.82	1.03	1.25	1.52	1.85	2.20	2.60	3.06	3.65	4.27	5.12	6.08	7.07	8.10	9.04	9.83	10.5
150	0.51	0.67	0.87	1.12	1.43	1.74	2.09	2.57	3.01	3.60	4.30	5.24	6.36	7.63	9.03	10.4	11.8	12.8	13.6
160	0.51	0.69	0.91	1.22	1.53	1.92	2.31	2.80	3.29	3.97	4.87	5.95	7.31	8.94	10.7	12.5	14.3	15.7	16.7
170	0.51	0.71	0.95	1.27	1.65	2.04	2.48	2.96	3.51	4.21	5.15	6.31	7.79	9.62	11.7	13.9	16.1	17.9	19.1
180	0.51	0.72	0.97	1.30	1.70	2.09	2.52	3.03	3.56	4.27	5.14	6.27	7.72	9.50	11.6	14.0	16.5	18.8	20.4

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.1924A P:41.310W PF:0.9763 Freq:49.99Hz Lamp Flux:110.235x27 lm		
NAME: TL-OU-1136FC-27 45W 3000K 36X80D	TYPE:	WEIGHT:3.7
SPEC.:45W AC220V 3000K	DIM.: 0.18*0.18*0.21	SERIAL No.:/
MFR.: /	SUR.:0.15*0.15	Shielding Angle:/

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	20.8	20.3	19.5	18.0	17.4	17.0	16.4	15.4	14.0	12.3	10.2	8.07	5.97	4.14	2.83	1.80	4.36	8.64	
-170	20.8	20.0	18.7	17.6	17.1	16.6	16.0	15.0	13.6	11.9	9.91	7.82	5.80	4.07	2.77	1.79	4.41	8.64	
-160	18.1	17.7	17.1	16.6	16.1	15.7	15.0	14.0	12.6	11.0	9.11	7.17	5.34	3.80	2.60	1.77	4.60	8.64	
-150	15.5	15.3	15.1	14.9	14.6	14.1	13.4	12.4	11.1	9.62	7.94	6.26	4.68	3.38	2.38	1.84	4.92	8.64	
-140	13.0	13.0	12.9	12.7	12.4	12.0	11.3	10.4	9.22	7.96	6.58	5.17	3.91	2.90	2.08	2.25	5.37	8.64	
-130	10.4	10.5	10.4	10.2	9.93	9.47	8.85	8.09	7.16	6.16	5.09	4.09	3.16	2.37	1.80	3.06	5.94	8.64	
-120	7.66	7.72	7.69	7.53	7.30	6.91	6.43	5.86	5.17	4.46	3.70	3.03	2.42	1.91	2.28	4.19	6.57	8.64	
-110	5.08	5.15	5.14	5.00	4.81	4.58	4.25	3.87	3.46	3.02	2.55	2.17	1.86	2.55	3.99	5.61	7.25	8.64	
-100	2.99	3.04	3.07	2.98	2.87	2.74	2.54	2.35	2.14	2.14	2.53	3.25	4.17	5.17	6.22	7.09	7.93	8.64	
-90	1.94	2.36	2.78	3.41	4.03	4.66	5.21	5.75	6.30	6.60	6.90	7.20	7.50	7.80	8.10	8.28	8.46	8.64	
-80	9.41	10.5	11.4	12.1	12.6	13.0	13.3	13.5	13.5	13.0	12.5	11.9	11.3	10.7	10.1	9.43	8.95	8.64	
-70	50.3	50.5	48.9	47.5	45.4	41.9	38.5	34.9	31.1	27.3	24.5	21.7	19.0	16.2	13.6	11.3	9.59	8.64	
-60	208	186	166	152	137	125	112	95.8	80.5	65.0	50.2	38.7	29.7	24.0	18.4	13.7	10.4	8.64	
-50	441	366	317	279	246	222	198	174	148	120	95.3	69.1	48.8	33.4	24.0	16.5	11.2	8.64	
-40	731	572	488	408	366	326	287	249	211	175	140	106	73.1	46.8	29.5	19.4	12.1	8.64	
-30	1000	778	616	519	450	399	355	310	267	223	180	138	96.5	61.9	35.4	22.0	12.9	8.64	
-20	1261	964	757	611	519	449	398	354	308	260	211	163	117	73.9	40.8	24.2	13.6	8.64	
-10	1425	1081	841	679	568	489	430	380	333	282	228	178	130	81.9	45.0	25.6	14.0	8.64	
0	1483	1122	872	702	584	501	439	387	340	289	233	182	135	85.0	46.5	26.2	14.2	8.64	
10	1512	1137	883	702	579	494	431	381	335	283	228	178	130	82.4	45.2	25.7	14.0	8.64	
20	1400	1073	828	651	544	465	409	362	314	262	212	165	118	74.6	41.3	24.4	13.6	8.64	
30	1158	897	699	571	478	417	369	323	277	229	185	141	98.5	62.5	36.0	22.3	13.0	8.64	
40	875	674	563	455	397	346	302	261	223	186	147	109	75.8	48.2	30.1	19.7	12.2	8.64	
50	543	442	371	317	272	242	212	185	159	129	102	75.2	51.7	34.6	24.7	16.9	11.3	8.64	
60	263	229	200	178	157	141	126	107	88.9	73.6	56.9	43.3	32.1	25.2	19.1	14.0	10.4	8.64	
70	72.7	69.6	64.8	60.6	57.4	53.4	47.3	41.1	36.4	31.6	28.0	24.7	21.0	17.3	14.1	11.4	9.61	8.64	
80	12.3	13.4	14.4	15.3	16.0	16.5	16.5	16.3	16.0	15.4	14.6	13.8	12.5	11.3	10.2	9.46	8.92	8.64	
90	1.44	2.16	2.88	3.66	4.43	5.21	5.71	6.21	6.71	7.06	7.40	7.75	7.84	7.93	8.02	8.22	8.43	8.64	
100	1.13	1.10	1.05	0.99	0.91	0.83	0.73	0.65	0.59	1.11	1.98	3.05	3.94	4.95	5.95	6.95	7.88	8.64	
110	2.70	2.71	2.64	2.47	2.29	2.04	1.73	1.45	1.14	0.92	0.74	0.58	0.62	1.79	3.43	5.37	7.19	8.64	
120	4.95	5.03	4.97	4.75	4.44	3.92	3.30	2.74	2.17	1.68	1.27	0.94	0.69	0.51	1.46	3.85	6.49	8.64	
130	7.77	7.94	7.88	7.64	7.18	6.39	5.50	4.49	3.50	2.65	1.95	1.40	0.97	0.65	0.79	2.67	5.85	8.64	
140	10.9	11.1	11.0	10.7	10.1	9.16	7.93	6.49	5.05	3.76	2.76	1.93	1.29	1.09	1.08	1.83	5.28	8.64	
150	14.0	14.1	14.0	13.7	13.0	11.9	10.3	8.50	6.65	4.97	3.53	2.43	2.00	1.76	1.48	1.45	4.84	8.64	
160	17.0	17.1	16.9	16.4	15.7	14.4	12.5	10.4	8.08	5.99	4.76	4.05	3.29	2.58	1.93	1.47	4.54	8.64	
170	19.4	19.1	18.7	18.2	17.4	16.1	14.2	12.5	10.8	9.16	7.62	6.12	4.68	3.41	2.42	1.64	4.38	8.64	
180	20.8	20.3	19.5	18.0	17.4	17.0	16.4	15.4	14.0	12.3	10.2	8.07	5.97	4.14	2.83	1.80	4.36	8.64	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:/
Test Date:2022-03-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:52.6%
Test Distance:12.040m [K=1.0000]
Remarks: