
FLOOD LIGHT



Light Output Ratio:	100.0%
Luminaire Power:	51.31 W
90% Beam Spread	11.2V x 21.1H
50% Beam Lumens	646.2 lumens per klm.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 56%
Test Distance: 10.630m [K=1.0000]
Remarks:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	710.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	110.0V x 111.0H
	At 50% of Imax	75.5V x 77.6H
	At 90% of Imax	11.2V x 21.1H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	920.5 lumens per klm.
	To 50% of Imax	646.2 lumens per klm.
	To 90% of Imax	25.5 lumens per klm.

Upward LOR	2.0 %
Downward LOR	98.0 %

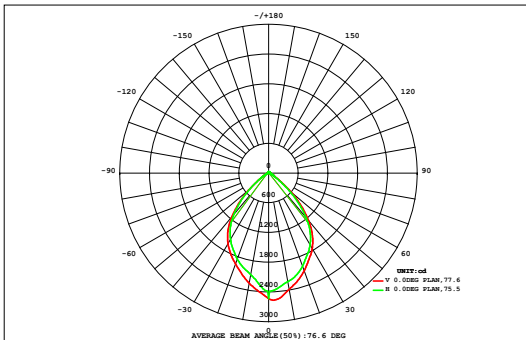
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-09-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 56%
Test Distance: 10.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.12V I:0.2401A P:51.312W PF:0.9708 Freq:49.99Hz Lamp Flux:133.639x27 lm		
NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: T-LUCE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:70.32lm/W	
MODEL		Imax (cd)	2565
NOMINAL POWER(W)	48	AVAILABILITY(%)	92.1
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	3321
NOMINAL FLUX(lm)	133.639	LOR(%)	100.0
LAMPS INSIDE	27	TOTAL FLUX(lm)	3608
TEST VOLTAGE (V)	220.176	θ @50% (H,V)	78,75DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.03	0.06	0.09	0.13	0.16	0.20	0.22	0.23	0.22	0.20	0.17	0.14	0.10	0.08	0.05	0.03	0.01	2.13	0.00
90	0.01	0.03	0.06	0.09	0.13	0.16	0.20	0.22	0.23	0.22	0.20	0.17	0.14	0.10	0.08	0.05	0.03	0.01	2.13	0.00
80	0.01	0.05	0.11	0.23	0.40	0.59	0.76	0.89	0.96	0.95	0.86	0.72	0.54	0.35	0.19	0.09	0.04	0.01	7.73	0.00
70	0.01	0.07	0.23	0.53	0.92	1.41	1.93	2.35	2.60	2.58	2.30	1.85	1.32	0.85	0.47	0.19	0.05	0.01	19.7	0.00
60	0.02	0.11	0.39	0.91	1.76	3.06	4.89	6.80	8.01	7.91	6.53	4.59	2.84	1.61	0.82	0.34	0.09	0.01	50.7	17.8
50	0.02	0.16	0.57	1.45	3.36	7.66	14.4	20.4	23.6	23.4	19.7	13.5	6.92	3.01	1.30	0.50	0.14	0.01	140	125
40	0.02	0.20	0.77	2.23	6.81	16.9	28.2	36.4	40.2	39.9	35.4	26.6	15.3	5.96	1.96	0.67	0.18	0.02	258	248
30	0.02	0.25	0.97	3.32	11.9	26.3	39.3	47.3	51.1	50.8	46.2	37.0	23.9	10.4	2.84	0.85	0.22	0.02	353	345
	0.03	0.28	1.16	4.60	16.5	33.1	46.3	54.9	59.8	58.8	52.8	43.0	29.8	14.4	3.93	1.03	0.25	0.02	421	414
	0.03	0.29	1.28	5.54	19.4	37.1	51.2	62.7	69.2	65.3	57.5	46.9	33.9	17.3	4.79	1.15	0.27	0.02	474	468
	0.03	0.29	1.27	5.48	19.2	36.7	50.6	62.0	69.5	69.0	62.0	49.6	35.2	17.8	4.88	1.16	0.27	0.02	485	479
	0.03	0.27	1.13	4.44	16.0	32.6	46.6	56.8	63.8	63.9	57.3	46.7	32.2	15.5	4.16	1.07	0.25	0.02	443	436
	0.02	0.24	0.94	3.16	11.6	26.4	40.6	50.0	55.1	55.1	50.0	40.3	25.8	11.2	3.07	0.91	0.23	0.02	375	367
-30	0.02	0.20	0.73	2.13	6.62	17.1	29.4	38.8	43.6	43.6	38.7	29.0	16.6	6.34	2.08	0.72	0.19	0.02	276	266
-40	0.02	0.15	0.55	1.39	3.27	7.72	14.9	21.8	25.5	25.4	21.5	14.5	7.43	3.17	1.36	0.53	0.15	0.01	149	135
-50	0.02	0.11	0.38	0.88	1.72	3.04	4.93	7.08	8.46	8.42	6.99	4.83	2.98	1.68	0.85	0.36	0.10	0.01	52.8	20.4
-60	0.01	0.07	0.22	0.51	0.91	1.40	1.93	2.39	2.66	2.65	2.39	1.90	1.37	0.88	0.48	0.21	0.06	0.01	20.0	0.00
-70	0.01	0.05	0.11	0.22	0.40	0.59	0.77	0.90	0.97	0.97	0.89	0.74	0.55	0.36	0.19	0.09	0.04	0.01	7.85	0.00
-80	0.01	0.03	0.06	0.09	0.13	0.17	0.20	0.23	0.24	0.23	0.21	0.18	0.14	0.11	0.08	0.05	0.03	0.01	2.18	0.00
-90	0.01	0.03	0.06	0.09	0.13	0.17	0.20	0.23	0.24	0.23	0.21	0.18	0.14	0.11	0.08	0.05	0.03	0.01	2.18	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.34	2.85	10.9	37.2	121	252	377	472	525	519	462	362	237	111	33.5	9.96	2.56	0.28	3536	---
Φ a	0.00	0.00	0.00	15.3	105	238	363	458	512	506	448	348	222	94.5	11.4	0.00	0.00	0.00	---	3321

one-half-peak spread: U:38.9,D:37.1 , L:37.9,R:40.2

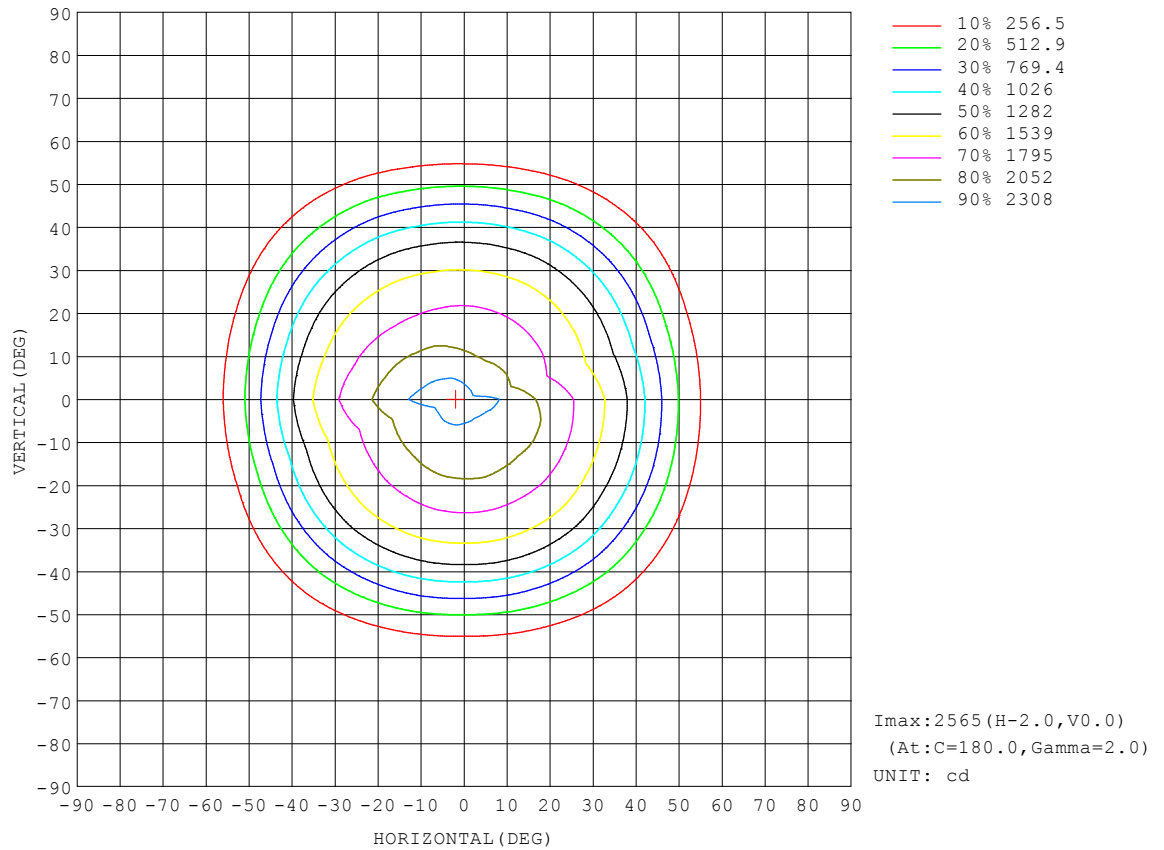
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.12V I:0.2401A P:51.312W PF:0.9708 Freq:49.99Hz Lamp Flux:133.639x27 lm		
NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: T-LUCE	SUR.:	Shielding Angle:

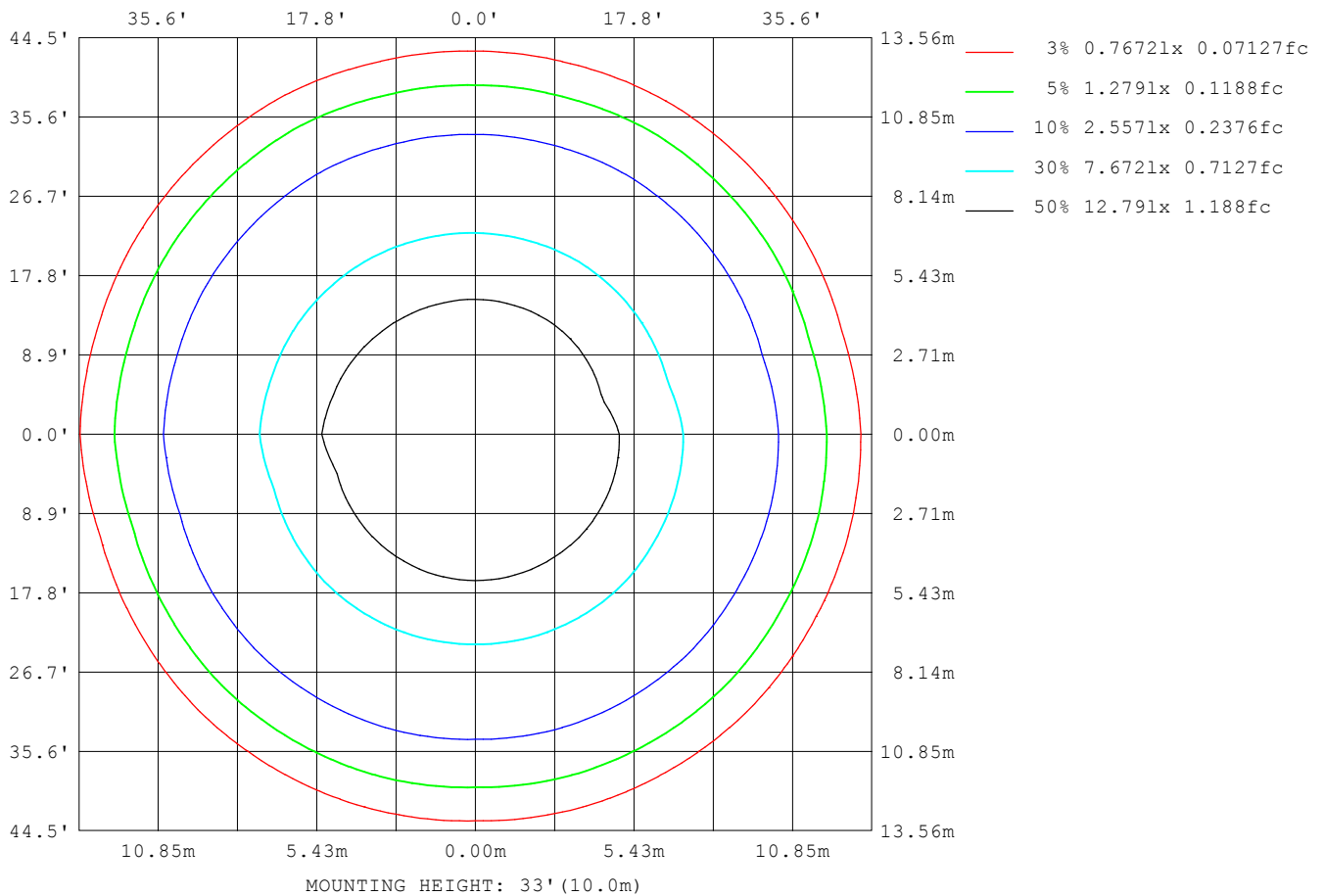


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C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

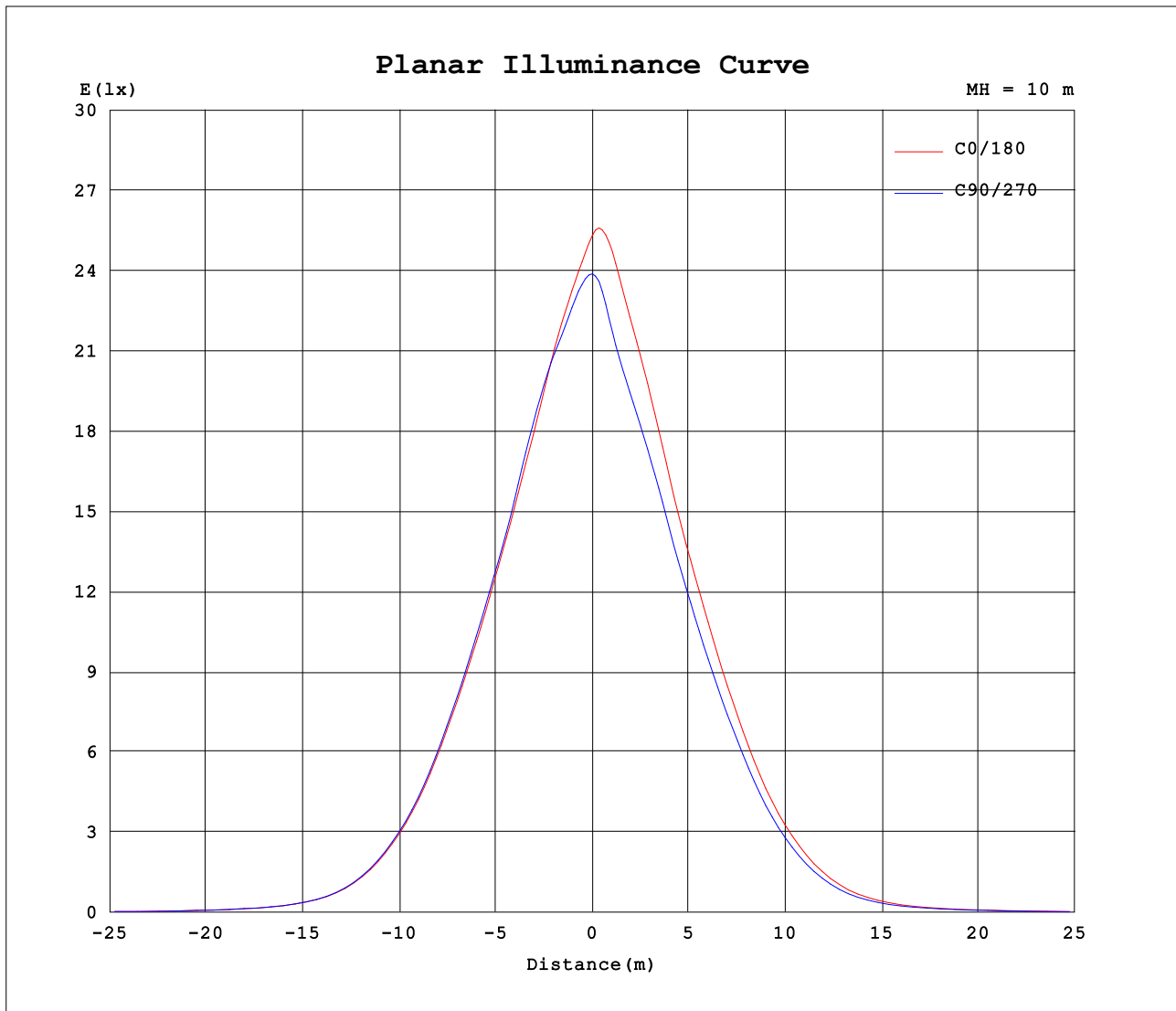
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NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
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MFR.: T-LUCE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
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Test Speed: HIGH
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
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Remarks:

Planar Illuminance Curve

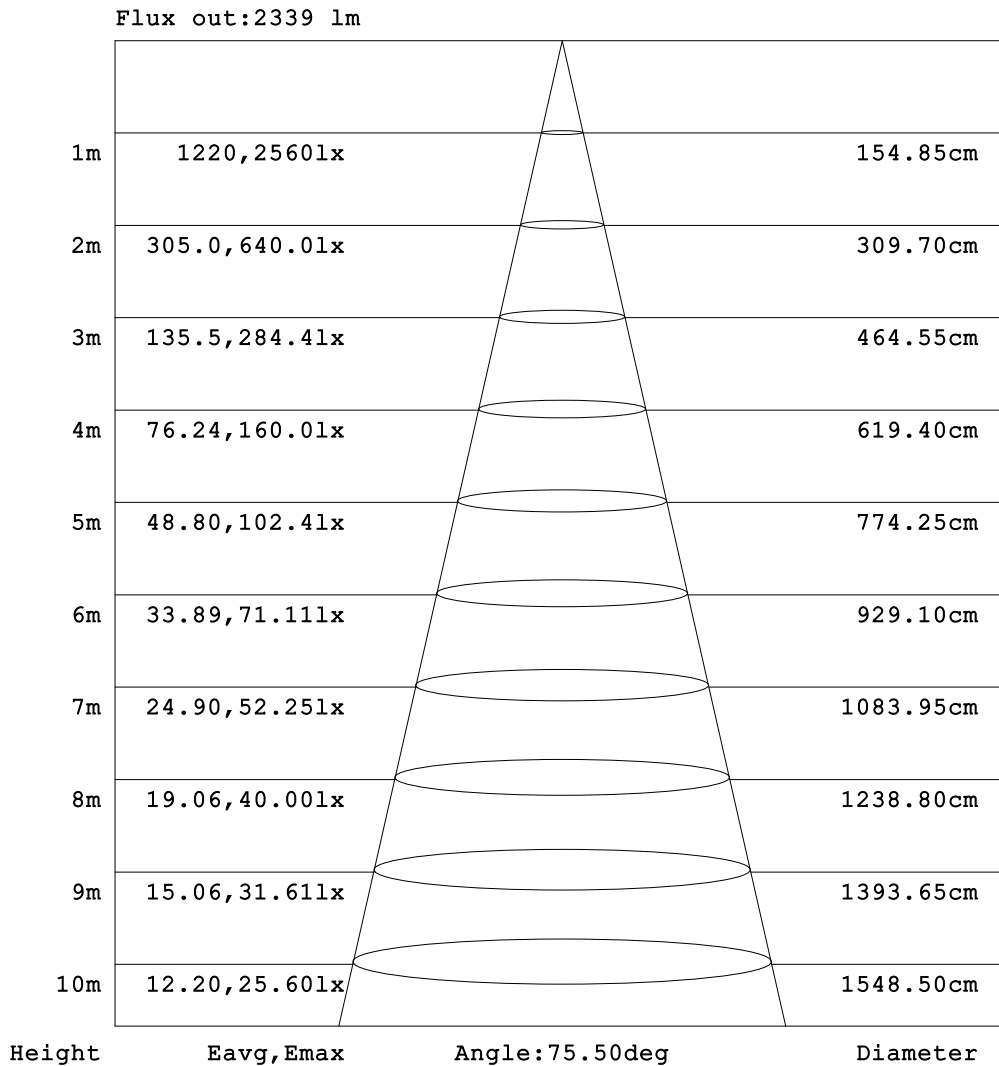


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 Remarks:

AAI Figure

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NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: T-LUCE	SUR.:	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: 25.3DEG
Operators:
Test Date: 2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity: 56%
Test Distance: 10.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.2401A P:51.312W PF:0.9708 Freq:49.99Hz Lamp Flux:133.639x27 lm		
NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: T-LUCE	SUR.:	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	3.49	3.25	3.48	4.78	6.44	8.30	10.3	12.8	14.9	17.2	19.4	21.5	23.5	25.9	33.8	36.6	38.4	39.6	43.0
-170	3.49	3.18	3.35	4.47	5.94	7.61	9.42	11.5	13.4	15.3	17.1	18.6	20.2	22.1	23.9	25.8	27.2	28.3	28.8
-160	3.49	3.08	3.19	4.06	5.27	6.65	8.11	9.83	11.5	13.5	15.3	17.1	18.7	20.1	21.5	22.9	23.9	24.7	25.1
-150	3.49	2.95	3.01	3.56	4.48	5.54	6.76	8.39	10.1	11.8	13.6	15.1	16.4	17.6	18.7	19.6	20.3	20.8	21.1
-140	3.49	2.98	2.83	3.04	3.65	4.51	5.65	6.88	8.25	9.61	11.0	12.3	13.5	14.8	15.5	16.0	16.6	17.0	17.1
-130	3.49	3.40	2.72	2.68	2.91	3.63	4.47	5.35	6.29	7.26	8.24	9.19	10.1	10.8	11.5	12.1	12.5	12.7	12.9
-120	3.49	2.84	2.68	2.43	2.52	2.82	3.32	3.88	4.58	5.21	5.75	6.38	7.06	7.71	8.20	8.82	9.16	9.32	9.43
-110	3.49	2.09	2.74	2.32	2.26	2.39	2.66	2.78	2.96	3.26	3.61	4.04	4.54	4.91	5.23	5.56	5.80	5.98	6.11
-100	3.49	2.09	1.85	2.00	2.15	2.10	2.11	2.08	2.06	2.02	2.07	2.15	2.24	2.32	2.39	2.45	2.50	2.54	2.56
-90	3.49	3.28	3.08	2.88	2.88	2.88	2.87	2.87	2.86	2.85	2.76	2.67	2.58	2.74	2.90	3.06	3.15	3.24	3.33
-80	3.49	3.63	4.05	4.63	5.40	6.05	6.73	7.52	8.39	9.31	10.6	11.7	12.9	13.8	14.7	15.5	15.8	15.9	15.8
-70	3.49	4.25	5.64	6.86	8.34	11.5	15.4	20.1	24.8	29.2	33.3	37.0	40.6	43.9	46.9	49.4	51.1	51.9	52.0
-60	3.49	5.02	7.14	9.76	15.3	23.0	30.3	38.3	47.2	57.3	68.4	80.0	92.2	104	116	127	135	139	140
-50	3.49	5.75	8.50	14.9	24.5	34.8	46.8	62.0	81.2	105	137	178	232	299	369	435	486	512	517
-40	3.49	6.26	10.6	21.1	33.1	47.3	67.3	95.0	135	200	313	474	649	811	947	1054	1131	1174	1184
-30	3.49	6.80	12.9	26.4	41.4	61.5	91.3	139	229	401	642	890	1116	1311	1452	1553	1624	1665	1677
-20	3.49	7.26	15.0	30.7	49.1	76.4	118	196	365	641	935	1211	1439	1608	1740	1825	1907	1979	2002
-10	3.49	7.58	16.5	33.6	55.0	88.4	143	261	506	827	1132	1396	1597	1758	1891	2036	2142	2212	2225
0	3.49	7.72	17.1	35.0	58.0	94.6	157	296	578	927	1262	1547	1763	1926	2100	2255	2385	2535	2533
10	3.49	7.59	16.5	33.8	55.7	89.7	146	267	517	844	1158	1431	1631	1779	1894	2015	2085	2116	2082
20	3.49	7.30	15.1	31.1	50.2	78.7	123	207	384	660	950	1218	1430	1577	1680	1742	1794	1836	1850
30	3.49	6.86	13.0	27.0	42.6	64.4	95.9	146	240	416	647	879	1085	1258	1380	1460	1509	1536	1541
40	3.49	6.36	10.6	21.6	34.3	49.6	70.6	99.4	141	208	317	468	630	779	901	988	1048	1086	1094
50	3.49	5.89	8.62	15.2	25.5	36.1	48.8	64.6	84.1	108	139	178	231	295	357	411	452	479	484
60	3.49	5.21	7.29	9.86	15.8	23.9	31.5	39.6	48.4	58.2	69.0	80.6	92.7	104	115	123	130	134	135
70	3.49	4.44	5.97	7.11	8.54	11.7	15.9	20.9	25.3	29.4	33.3	37.1	40.7	43.9	46.6	48.8	50.4	51.3	51.4
80	3.49	3.79	4.46	5.26	5.87	6.33	6.80	7.40	8.22	9.16	10.2	11.2	12.4	13.2	14.0	14.6	15.1	15.3	15.3
90	3.49	3.48	3.48	3.48	3.49	3.49	3.49	3.45	3.40	3.35	3.29	3.22	3.16	3.31	3.46	3.61	3.66	3.71	3.76
100	3.49	2.28	2.26	2.50	2.66	2.74	2.75	2.74	2.80	2.82	2.88	2.99	3.11	3.22	3.32	3.41	3.47	3.51	3.53
110	3.49	2.29	3.05	3.07	3.04	3.24	3.41	3.76	4.12	4.48	5.12	5.86	6.37	6.68	6.95	7.17	7.30	7.37	7.38
120	3.49	2.99	3.14	3.13	3.43	3.95	4.58	5.29	6.19	6.99	7.70	8.32	9.04	9.69	10.1	10.5	10.8	10.9	11.0
130	3.49	3.52	3.11	3.40	4.07	4.95	5.90	6.89	7.94	8.95	9.95	10.9	11.8	12.6	13.3	13.8	14.2	14.5	14.6
140	3.49	3.11	3.18	3.75	4.77	5.93	7.19	8.56	9.98	11.4	12.7	14.1	15.3	16.5	17.1	17.7	18.2	18.5	18.6
150	3.49	3.07	3.30	4.15	5.41	6.84	8.40	10.1	11.8	13.6	15.5	16.9	18.1	19.2	20.3	21.2	21.8	22.1	22.3
160	3.49	3.16	3.41	4.48	5.94	7.58	9.41	11.3	13.4	15.4	17.2	18.9	20.5	21.9	23.2	24.5	25.6	26.1	26.3
170	3.49	3.23	3.47	4.70	6.29	8.09	10.1	12.3	14.4	16.5	18.5	20.4	22.1	24.0	26.0	27.8	28.8	29.6	29.6
180	3.49	3.25	3.48	4.78	6.44	8.30	10.3	12.8	14.9	17.2	19.4	21.5	23.5	25.9	33.8	36.6	38.4	39.6	43.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.2401A P:51.312W PF:0.9708 Freq:49.99Hz Lamp Flux:133.639x27 lm		
NAME: TL-OU-1136FC-27 48W 3000K 60D	TYPE:Flood Light	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: T-LUCE	SUR.:	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	31.9	30.7	29.1	27.1	25.1	23.0	21.1	19.0	17.0	14.6	12.2	9.80	7.59	5.63	4.05	2.90	2.39	2.78	
-170	28.7	28.1	26.9	25.3	23.7	22.0	20.2	18.3	16.3	14.1	11.8	9.49	7.35	5.49	3.97	2.87	2.37	2.78	
-160	25.0	24.4	23.6	22.6	21.2	19.8	18.3	16.7	14.9	12.9	10.8	8.71	6.80	5.14	3.76	2.79	2.33	2.78	
-150	21.0	20.7	20.1	19.3	18.4	17.3	15.9	14.4	12.9	11.1	9.40	7.62	6.02	4.63	3.46	2.68	2.29	2.78	
-140	17.1	16.8	16.4	15.8	15.1	14.3	13.1	11.9	10.4	9.07	7.65	6.32	5.09	4.01	3.09	2.60	2.23	2.78	
-130	12.8	12.6	12.3	11.9	11.3	10.6	9.74	8.85	7.87	6.87	5.91	4.97	4.12	3.36	2.76	2.48	2.17	2.78	
-120	9.33	9.16	8.87	8.45	8.02	7.57	6.92	6.24	5.50	4.89	4.28	3.75	3.37	2.79	2.47	2.23	2.20	2.78	
-110	6.09	6.02	5.89	5.61	5.17	4.72	4.33	3.93	3.57	3.44	3.30	2.86	2.45	2.32	2.14	2.04	2.29	2.78	
-100	2.54	2.52	2.48	2.46	2.41	2.35	2.26	2.18	2.10	2.05	2.00	1.95	1.91	1.85	1.85	2.10	2.45	2.78	
-90	3.24	3.15	3.05	2.92	2.79	2.66	2.62	2.59	2.55	2.56	2.58	2.59	2.60	2.61	2.62	2.68	2.73	2.78	
-80	15.6	15.2	14.6	13.6	12.4	11.1	9.98	8.91	7.76	6.91	6.13	5.44	5.11	4.74	4.13	3.38	3.07	2.78	
-70	51.9	51.0	49.2	46.4	43.1	39.5	35.7	31.7	27.5	23.1	18.3	13.7	10.0	7.17	5.50	4.76	3.33	2.78	
-60	139	134	126	115	103	90.8	78.6	66.8	55.6	45.4	36.4	28.7	21.4	14.6	8.75	5.44	4.00	2.78	
-50	509	480	427	361	290	226	173	134	103	79.2	60.2	45.3	33.3	23.3	14.4	7.06	4.68	2.78	
-40	1172	1127	1046	935	793	629	457	299	193	131	93.2	66.3	46.3	31.6	19.9	9.71	4.97	2.78	
-30	1664	1621	1551	1447	1297	1094	863	616	384	221	136	90.3	60.2	39.3	24.4	12.3	5.18	2.78	
-20	1987	1915	1838	1745	1605	1423	1188	913	620	352	189	114	73.1	46.0	28.2	14.7	5.32	2.78	
-10	2202	2163	2076	1912	1770	1593	1382	1099	783	465	239	132	82.3	50.6	30.6	16.5	5.41	2.78	
0	2390	2260	2104	1956	1809	1642	1439	1158	834	503	257	139	85.8	52.4	31.5	17.3	5.44	2.78	
10	2036	1991	1892	1752	1628	1468	1282	1030	741	443	230	129	80.4	49.9	30.3	16.3	5.40	2.78	
20	1825	1773	1704	1613	1475	1316	1100	843	572	323	176	107	69.8	44.6	27.6	14.3	5.30	2.78	
30	1525	1484	1420	1325	1188	1007	799	576	358	206	127	83.6	56.5	37.6	23.7	11.8	5.15	2.78	
40	1077	1030	960	861	732	581	421	280	183	125	88.2	62.4	43.6	29.9	18.9	9.27	4.93	2.78	
50	473	440	394	335	272	212	163	127	98.4	76.2	58.0	43.4	31.7	21.8	13.1	6.85	4.62	2.78	
60	133	128	120	110	99.6	87.7	75.6	64.1	53.6	44.0	35.5	27.7	20.5	13.1	7.93	5.32	3.96	2.78	
70	50.9	49.6	47.6	45.2	42.2	38.7	34.8	30.7	26.6	22.5	18.1	13.4	9.35	6.68	5.32	4.63	3.34	2.78	
80	15.0	14.4	13.7	12.8	11.8	10.8	9.60	8.47	7.32	6.62	5.94	5.33	4.98	4.53	3.98	3.39	3.14	2.78	
90	3.70	3.63	3.57	3.41	3.25	3.09	3.00	2.90	2.81	2.82	2.84	2.85	2.87	2.89	2.91	2.86	2.82	2.78	
100	3.53	3.51	3.47	3.39	3.27	3.16	3.04	2.93	2.84	2.72	2.62	2.51	2.41	2.31	2.20	2.27	2.54	2.78	
110	7.33	7.22	7.03	6.67	6.23	5.77	5.36	4.97	4.57	4.29	4.00	3.46	3.13	2.91	2.56	2.31	2.37	2.78	
120	10.9	10.6	10.3	9.89	9.37	8.83	8.16	7.38	6.65	5.99	5.29	4.65	4.09	3.47	3.00	2.48	2.30	2.78	
130	14.5	14.2	13.8	13.3	12.6	11.9	11.0	10.0	9.03	7.98	6.95	5.96	5.01	4.14	3.29	2.75	2.28	2.78	
140	18.5	18.2	17.7	17.1	16.2	15.3	14.1	12.8	11.4	10.0	8.60	7.25	5.99	4.74	3.58	2.86	2.32	2.78	
150	22.1	21.7	21.0	20.2	19.2	17.9	16.6	15.1	13.6	11.8	10.2	8.43	6.77	5.22	3.86	2.89	2.36	2.78	
160	25.9	25.2	24.2	22.9	21.5	20.1	18.5	16.9	15.1	13.2	11.2	9.28	7.30	5.56	4.04	2.95	2.38	2.78	
170	29.1	28.2	26.9	25.1	23.3	21.5	19.9	18.1	16.3	14.2	12.0	9.75	7.60	5.69	4.11	2.95	2.39	2.78	
180	31.9	30.7	29.1	27.1	25.1	23.0	21.1	19.0	17.0	14.6	12.2	9.80	7.59	5.63	4.05	2.90	2.39	2.78	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-09-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.630m [K=1.0000]
Remarks: