

LED FLOOD LIGHT



Light Output Ratio:	100.0%
Luminaire Power:	52.78 W
90% Beam Spread	7.1V x 11.8H
50% Beam Lumens	356.9 lumens per klm.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 23DEG
Operators:
Test Date: 2018-06-20

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.

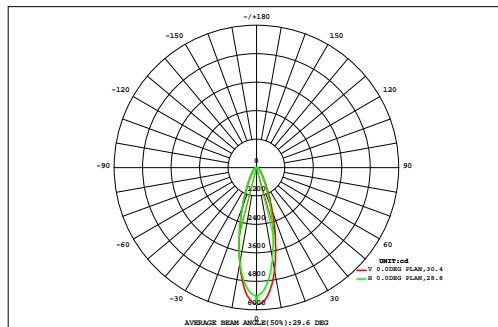
Maximum Intensity		2380.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	63.2V x 64.2H
	At 50% of Imax	28.8V x 30.4H
	At 90% of Imax	7.1V x 11.8H
Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	735.7 lumens per klm.
	To 50% of Imax	356.9 lumens per klm.
	To 90% of Imax	68.6 lumens per klm.
	Upward LOR	0.3 %
	Downward LOR	99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:
Test Date:2018-06-20

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.91V I:0.5427A P:52.780W PF:0.4424 Freq:49.99Hz Lamp Flux:269.21x9 lm		
NAME: TL-OU-1136FF-9 60W RGBW 30D	TYPE:Flood Light	SERIAL No.:
	SUR.:	



DATA OF LAMP		Eff:45.90lm/W	
MODEL		Imax(cd)	5769
NOMINAL POWER(W)	60	AVAILABILITY(%)	72.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1762
NOMINAL FLUX(lm)	269.21	LOR(%)	100.0
LAMPS INSIDE	9	TOTAL FLUX(lm)	2423
TEST VOLTAGE(V)	219.895	q @50%(H,V)	30,29DEG

		AREA FLUX DIAGRAM															UNIT:lm			F t	F a											
		0.01	0.02	0.05	0.09	0.14	0.19	0.24	0.27	0.29	0.28	0.25	0.21	0.16	0.10	0.06	0.03	0.01	0.00	2.41	0.00											
VERTICAL (DEG)	90	0.01	0.02	0.05	0.09	0.14	0.19	0.24	0.27	0.29	0.28	0.25	0.21	0.16	0.10	0.06	0.03	0.01	0.00	2.41	0.00											
	80	0.01	0.05	0.17	0.34	0.54	0.74	0.93	1.07	1.14	1.14	1.04	0.89	0.68	0.47	0.27	0.12	0.03	0.00	9.62	0.00											
	70	0.01	0.11	0.32	0.63	1.01	1.43	1.83	2.15	2.33	2.33	2.13	1.80	1.37	0.93	0.55	0.26	0.07	0.01	19.3	0.00											
	60	0.02	0.16	0.47	0.95	1.57	2.30	3.06	3.71	4.12	4.16	3.78	3.09	2.26	1.49	0.86	0.40	0.12	0.01	32.5	0.00											
	50	0.02	0.21	0.62	1.30	2.24	3.42	4.81	6.18	7.15	7.27	6.43	5.00	3.47	2.16	1.19	0.54	0.17	0.01	52.2	0.00											
	40	0.03	0.25	0.77	1.65	3.00	4.92	7.62	11.0	13.7	13.8	11.3	7.95	5.02	2.91	1.52	0.68	0.21	0.02	86.4	5.58											
	30	0.03	0.29	0.90	2.00	3.83	6.97	12.8	22.9	32.7	32.2	22.3	12.7	6.93	3.68	1.84	0.80	0.25	0.02	163	110											
		0.04	0.32	1.00	2.29	4.62	9.49	22.0	49.9	80.8	78.2	45.5	19.9	8.94	4.37	2.14	0.91	0.28	0.03	331	291											
		0.04	0.33	1.07	2.50	5.24	11.7	31.7	82.4	141	133	72.6	27.4	10.8	5.02	2.37	0.99	0.29	0.03	529	492											
		0.04	0.33	1.06	2.47	5.20	11.5	30.5	78.3	135	135	74.2	28.1	11.0	5.10	2.40	1.00	0.30	0.03	521	485											
		0.04	0.31	0.98	2.23	4.52	9.29	21.0	47.1	76.1	74.4	44.0	19.6	9.07	4.54	2.22	0.94	0.28	0.03	317	276											
	-30	0.03	0.28	0.86	1.92	3.79	7.06	13.0	22.1	30.7	29.9	20.7	12.0	6.73	3.72	1.92	0.84	0.25	0.02	156	100											
	-40	0.03	0.24	0.72	1.59	2.99	5.11	7.98	11.2	13.4	13.0	10.5	7.38	4.79	2.88	1.57	0.71	0.22	0.02	84.3	2.74											
	-50	0.02	0.19	0.58	1.24	2.22	3.53	5.00	6.37	7.12	6.96	6.00	4.65	3.31	2.12	1.20	0.56	0.17	0.01	51.3	0.00											
	-60	0.02	0.15	0.43	0.90	1.53	2.29	3.07	3.74	4.06	3.99	3.57	2.90	2.17	1.46	0.85	0.41	0.12	0.01	31.7	0.00											
	-70	0.01	0.09	0.29	0.58	0.96	1.37	1.77	2.08	2.23	2.21	2.02	1.69	1.30	0.90	0.54	0.26	0.07	0.01	18.4	0.00											
-80	0.01	0.04	0.14	0.30	0.48	0.67	0.85	0.98	1.05	1.03	0.95	0.80	0.62	0.43	0.25	0.11	0.03	0.01	8.76	0.00												
-90	0.00	0.01	0.03	0.07	0.11	0.15	0.18	0.21	0.22	0.22	0.19	0.16	0.12	0.08	0.05	0.03	0.02	0.00	1.87	0.00												
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)															20	30	40	50	60	70	80	90
F t	0.39	3.39	10.4	23.0	44.0	82.2	168	352	553	540	327	156	78.8	42.4	21.8	9.58	2.90	0.27	2415	---												
F a	0.00	0.00	0.00	0.00	0.00	5.74	106	297	501	487	272	91.6	2.54	0.00	0.00	0.00	0.00	0.00	0.00	---	1762											

one-half-peak spread: U:14.1,D:14.9 , L:15.9,R:14.7

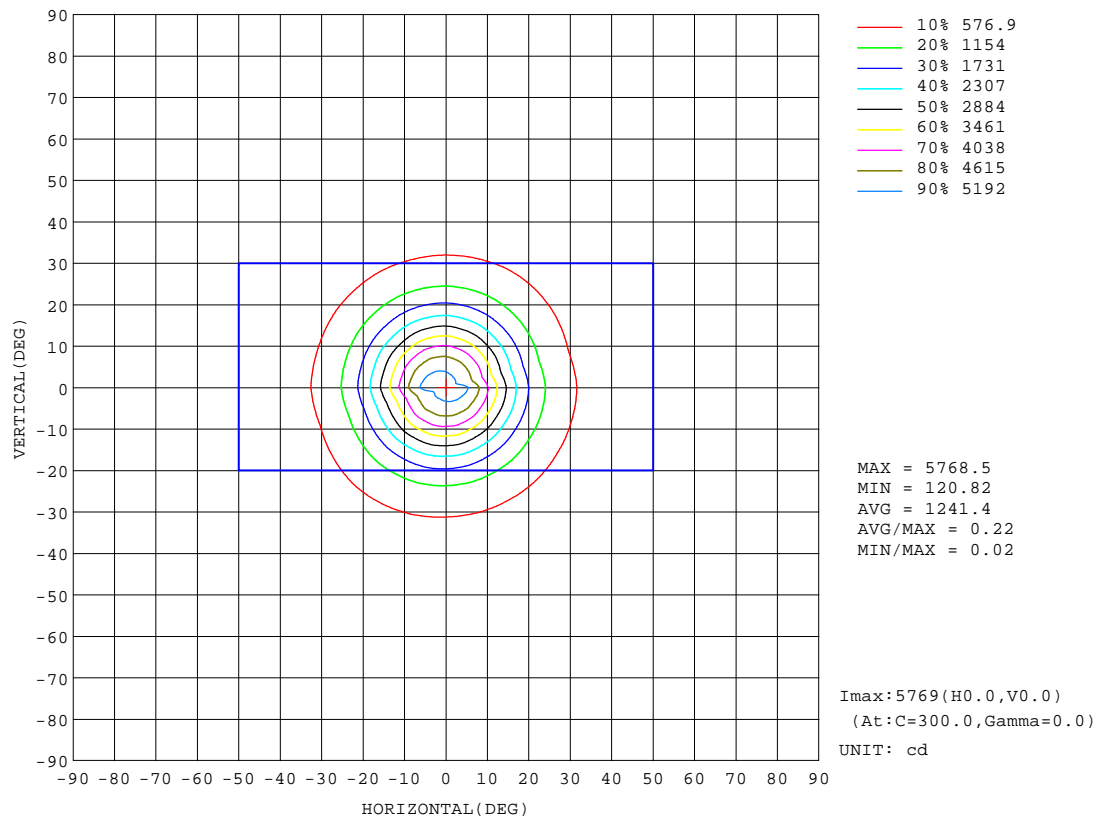
NEMA Beam Type: Type 4

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:
Test Date:2018-06-20

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:219.91V I:0.5427A P:52.780W PF:0.4424 Freq:49.99Hz Lamp Flux:269.21x9 lm		
NAME: TL-OU-1136FF-9 60W RGBW 30D	TYPE:Flood Light	SERIAL No.:
	SUR.:	

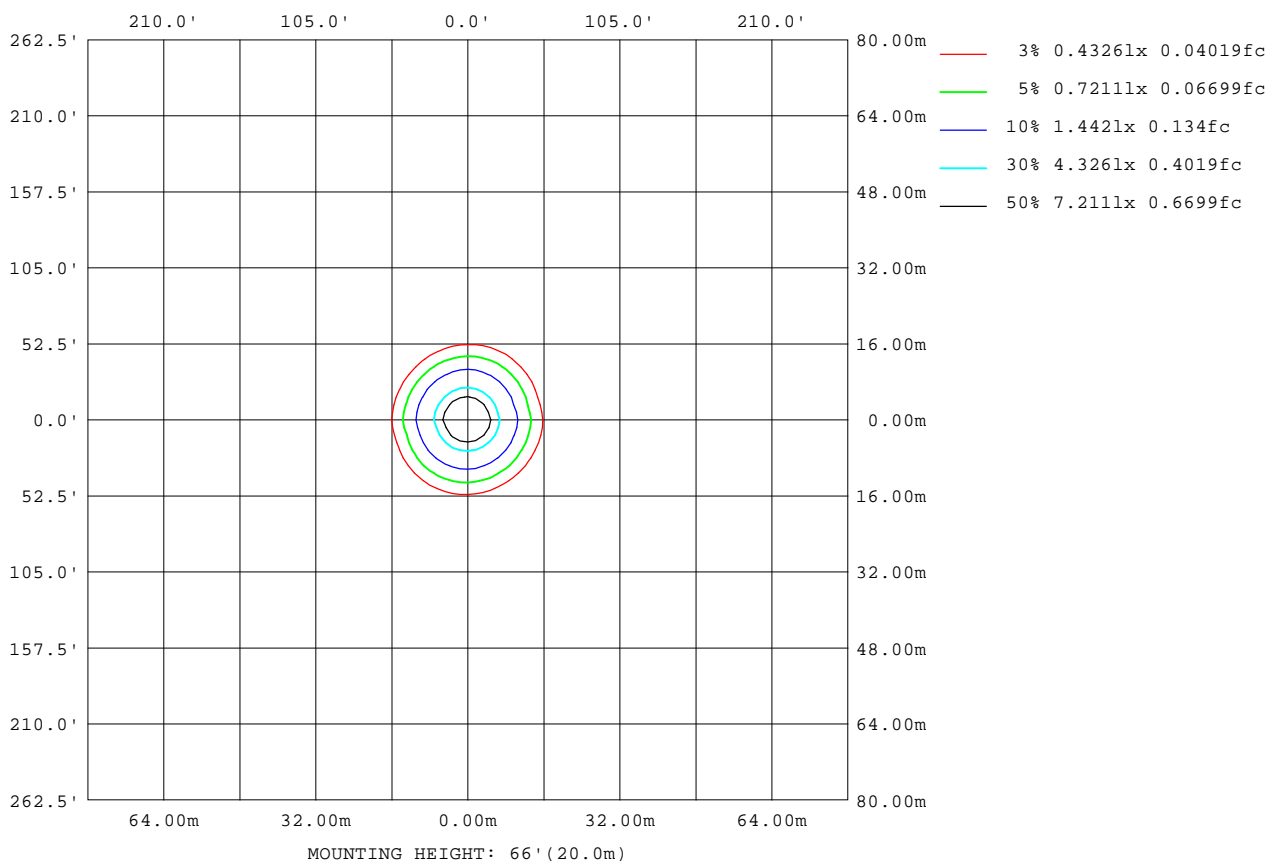


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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
Humidity:56%
Test Distance:10.580m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

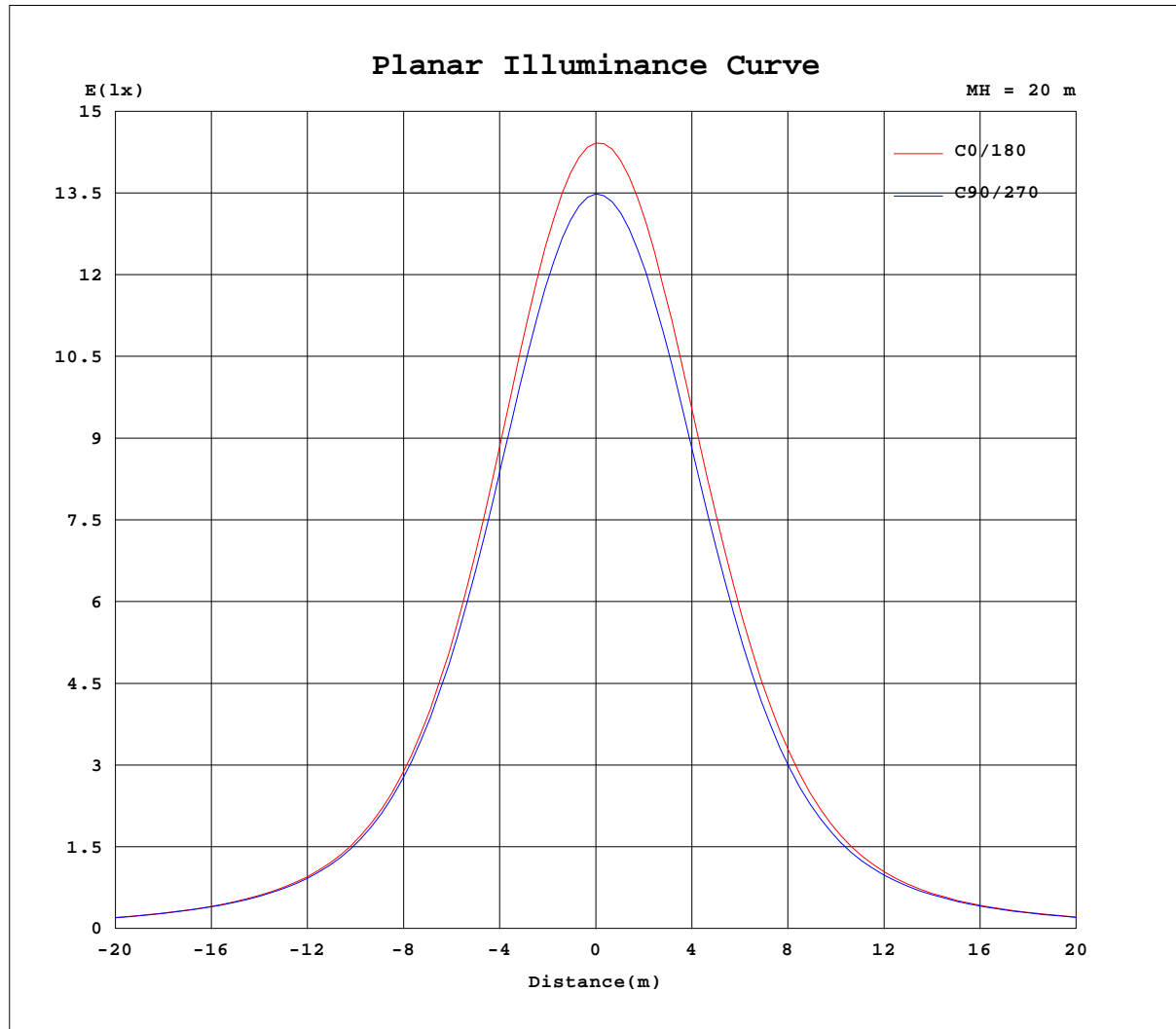
Test:U:219.91V I:0.5427A P:52.780W PF:0.4424 Freq:49.99Hz Lamp Flux:269.21x9 lm		
NAME: TL-OU-1136FF-9 60W RGBW 30D	TYPE:Flood Light	SERIAL No.:
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.402
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Remarks:

Planar Illuminance Curve



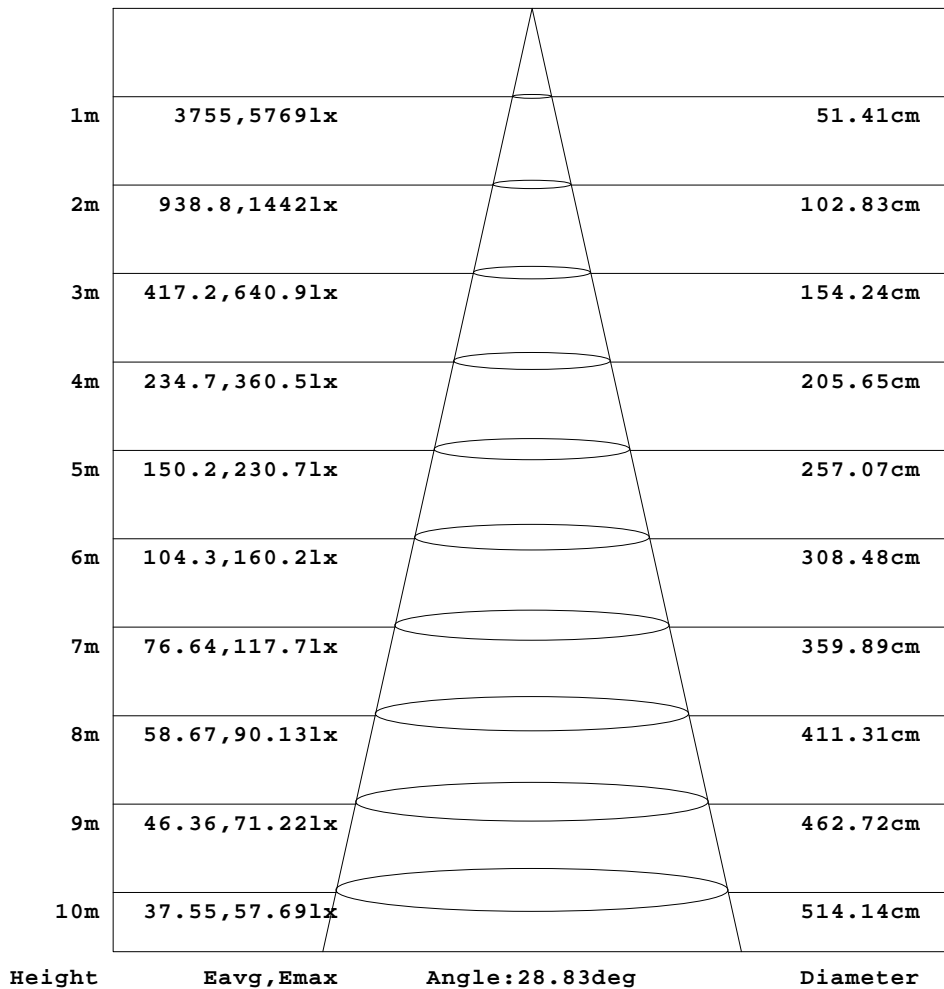
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AAI Figure

Test:U:219.91V I:0.5427A P:52.780W PF:0.4424 Freq:49.99Hz Lamp Flux:269.21x9 lm		
NAME: TL-OU-1136FF-9 60W RGBW 30D	TYPE:Flood Light	SERIAL No.:
	SUR.:	

Flux out:847.0 lm



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

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C Interval: 15.0DEG
Test Speed: HIGH
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Operators:
Test Date:2018-06-20

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:219.91V I:0.5427A P:52.780W PF:0.4424 Freq:49.99Hz Lamp Flux:269.21x9 lm		
NAME: TL-OU-1136FF-9 60W RGBW 30D	TYPE:Flood Light	SERIAL No.:
	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	2.09	2.13	2.46	2.44	3.53	4.38	5.67	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	2.09	2.09	2.33	2.33	3.18	3.82	4.70	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	2.09	2.04	2.10	2.35	2.60	3.26	3.63	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	2.09	1.99	1.79	2.40	1.98	2.82	2.80	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-140	2.09	1.93	1.50	2.35	1.68	2.26	2.59	2.82	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-130	2.09	1.86	1.57	1.73	2.13	1.60	2.22	2.47	2.57	2.94	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-120	2.09	1.82	1.71	1.21	1.73	2.06	1.55	1.86	2.18	2.26	2.33	2.47	2.65	2.87	3.11	3.33	3.50	3.61	3.65
-110	2.09	1.80	1.61	1.45	1.18	1.39	1.96	1.86	1.54	1.49	1.75	1.80	1.78	1.84	1.93	2.00	2.12	2.25	2.36
-100	2.09	1.82	1.52	1.30	1.35	1.38	1.36	1.19	1.27	1.39	1.47	1.39	1.27	1.26	1.26	1.25	1.32	1.36	1.41
-90	2.09	1.81	1.53	1.25	1.34	1.42	1.50	1.56	1.62	1.68	1.66	1.64	1.62	1.65	1.68	1.72	1.69	1.67	1.65
-80	2.09	1.97	2.05	2.49	3.74	5.40	7.20	9.03	10.8	12.5	14.0	15.2	16.2	17.2	18.1	18.8	19.1	19.1	19.0
-70	2.09	2.34	4.25	7.90	12.1	16.5	20.6	24.7	28.7	32.7	36.4	39.8	43.0	45.9	48.3	50.2	51.4	51.9	51.8
-60	2.09	3.11	8.23	14.5	20.9	27.5	34.3	41.6	49.3	57.0	64.6	71.6	78.3	84.6	90.2	94.9	98.0	99.4	99.3
-50	2.09	4.25	12.3	20.8	29.1	38.6	49.2	60.3	72.5	85.5	99.8	115	128	142	154	165	172	175	175
-40	2.09	5.75	16.1	26.5	37.3	49.8	63.9	79.9	98.3	120	143	170	198	227	255	281	302	312	312
-30	2.09	7.12	19.2	31.6	45.3	60.3	77.6	99.2	125	156	193	239	295	362	436	512	583	631	639
-20	2.09	8.21	21.7	35.7	52.0	70.1	91.2	117	148	190	245	320	428	584	804	1078	1368	1605	1664
-10	2.09	8.91	23.3	38.7	56.9	77.6	103	133	172	223	294	402	583	900	1415	2161	2995	3641	3884
0	2.09	9.22	24.1	40.2	59.5	81.8	109	143	186	245	332	474	726	1189	1966	3084	4391	5426	5769
10	2.09	9.00	23.6	39.2	57.7	78.9	105	136	175	226	300	415	611	955	1515	2287	3139	3849	4063
20	2.09	8.37	22.1	36.6	53.6	72.6	94.7	122	153	194	247	321	431	592	826	1136	1464	1711	1799
30	2.09	7.35	19.9	32.8	47.5	63.7	81.9	103	128	157	191	232	283	346	426	513	595	656	681
40	2.09	6.03	16.8	28.0	39.8	53.2	67.6	83.5	101	121	141	163	189	216	244	272	295	313	323
50	2.09	4.55	13.2	22.4	31.5	41.7	52.6	63.8	75.4	87.1	99.8	113	126	139	150	161	170	177	180
60	2.09	3.41	9.12	16.1	23.0	30.0	37.3	44.8	52.2	59.2	66.2	73.3	80.0	86.1	91.4	96.0	99.7	102	103
70	2.09	2.64	5.01	9.36	14.0	18.6	23.1	27.3	31.3	35.1	38.9	42.7	46.1	48.9	51.1	52.9	54.3	55.3	55.6
80	2.09	2.28	2.68	3.53	5.05	7.12	9.27	11.2	13.1	14.9	16.5	18.0	19.3	20.2	21.0	21.5	22.0	22.3	22.3
90	2.09	2.11	2.13	2.15	2.13	2.11	2.09	2.13	2.16	2.19	2.14	2.09	2.04	1.95	1.86	1.77	1.85	1.93	2.01
100	2.09	2.12	2.04	1.95	1.92	1.92	1.80	1.56	1.52	1.50	1.63	1.58	1.51	1.57	1.61	1.61	1.62	1.63	1.65
110	2.09	2.05	1.99	2.01	1.65	2.03	2.80	2.51	2.06	2.19	2.34	2.36	2.39	2.46	2.58	2.72	2.87	2.98	3.05
120	2.09	2.01	2.06	1.71	2.49	2.65	2.18	2.71	3.01	3.06	3.22	3.50	3.82	4.17	4.58	4.92	5.15	5.28	5.34
130	2.09	2.02	1.82	2.32	2.67	2.38	3.17	3.54	3.98	4.37	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	2.09	2.06	1.76	2.79	2.29	3.18	3.70	4.41	5.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	2.09	2.09	2.04	2.65	2.54	3.55	4.35	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	2.09	2.11	2.28	2.57	3.03	3.97	4.91	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	2.09	2.12	2.41	2.44	3.37	4.25	5.41	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	2.09	2.13	2.46	2.44	3.53	4.38	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
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Operators:
Test Date:2018-06-20

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

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NAME: TL-OU-1136FF-9 60W RGBW 30D	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	3.75	2.91	2.91	1.91	1.55	1.84	1.75	
-170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.66	2.87	2.62	1.97	1.58	1.85	1.75	
-160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44	2.71	2.14	2.18	1.57	1.86	1.75	
-150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.67	3.11	2.52	1.75	2.15	1.52	1.88	1.75	
-140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	3.18	2.67	2.05	1.76	2.22	1.38	1.88	1.75	
-130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.06	2.87	2.61	2.18	1.64	2.12	1.87	1.48	1.83	1.75	
-120	3.60	3.51	3.34	3.11	2.84	2.61	2.43	2.49	2.55	2.34	1.73	1.64	2.21	2.06	1.40	1.88	1.80	1.75	
-110	2.34	2.30	2.21	2.17	2.15	2.14	2.11	2.08	1.48	1.61	2.07	2.38	1.77	1.37	1.87	1.90	1.77	1.75	
-100	1.45	1.50	1.53	1.47	1.43	1.44	1.52	1.58	1.67	1.56	1.46	1.54	1.80	1.90	1.89	1.81	1.75	1.75	
-90	1.56	1.47	1.38	1.51	1.64	1.78	1.80	1.82	1.85	1.81	1.77	1.73	1.78	1.83	1.88	1.84	1.79	1.75	
-80	18.8	18.4	17.8	16.9	15.8	14.5	13.2	11.7	10.1	8.31	6.43	4.51	3.30	2.60	2.18	1.89	1.82	1.75	
-70	51.4	50.4	48.8	46.5	43.8	40.7	37.5	34.1	30.4	26.5	22.4	18.2	13.9	9.44	5.22	2.65	1.84	1.75	
-60	98.0	95.4	91.4	86.3	80.5	74.4	68.0	61.3	54.1	46.7	39.2	32.2	25.5	18.7	11.7	5.02	2.07	1.75	
-50	172	165	156	145	133	121	108	94.7	81.6	69.4	58.0	47.5	37.1	27.4	18.1	8.80	2.47	1.75	
-40	304	287	263	236	210	184	159	136	115	95.3	78.1	62.7	48.8	35.6	23.8	12.4	2.96	1.75	
-30	614	554	476	402	334	275	226	185	151	123	98.9	77.5	59.3	43.0	28.5	15.4	3.76	1.75	
-20	1557	1296	1002	740	542	403	309	241	190	149	118	90.1	67.8	48.9	32.2	17.7	4.50	1.75	
-10	3586	2867	2012	1315	846	564	398	293	222	170	131	99.4	73.7	52.8	34.7	19.2	4.95	1.75	
0	5275	4108	2782	1729	1046	659	445	319	237	179	137	103	76.1	54.2	35.6	19.7	5.11	1.75	
10	3689	2902	2029	1309	828	545	383	283	216	166	128	97.3	72.4	52.0	34.4	19.1	4.95	1.75	
20	1664	1391	1064	778	566	418	313	239	184	143	112	86.3	65.5	47.6	31.7	17.6	4.49	1.75	
30	657	597	520	436	357	291	235	189	151	121	95.1	73.4	56.3	41.4	27.8	15.3	3.75	1.75	
40	319	306	284	257	226	196	167	140	117	95.2	76.4	60.4	46.3	34.0	23.1	12.2	2.95	1.75	
50	179	174	166	155	142	128	113	97.5	83.1	70.0	57.7	46.5	35.8	26.2	17.6	8.69	2.43	1.75	
60	103	100	96.5	91.4	85.4	78.5	71.0	63.2	55.3	47.5	39.7	32.2	25.2	18.3	11.3	5.02	2.01	1.75	
70	55.1	53.9	52.2	49.9	47.1	43.8	39.9	35.9	31.7	27.6	23.3	18.9	14.3	9.54	5.21	2.57	1.74	1.75	
80	22.0	21.4	20.6	19.7	18.6	17.2	15.5	13.7	11.7	9.80	7.78	5.75	3.88	2.68	1.97	1.69	1.69	1.75	
90	2.05	2.09	2.13	2.12	2.12	2.11	2.09	2.07	2.05	1.96	1.86	1.77	1.68	1.60	1.52	1.59	1.67	1.75	
100	1.65	1.64	1.61	1.59	1.56	1.55	1.61	1.62	1.50	1.55	1.67	1.84	1.85	1.81	1.72	1.66	1.66	1.75	
110	2.99	2.91	2.83	2.71	2.57	2.48	2.50	2.45	2.02	2.15	2.40	2.30	1.69	1.63	1.94	1.82	1.70	1.75	
120	5.27	5.13	4.90	4.60	4.27	4.00	3.78	3.35	3.16	3.17	2.60	2.22	2.59	2.05	1.55	1.90	1.74	1.75	
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	4.40	3.80	3.59	3.30	2.30	2.64	1.81	1.64	1.80	1.75	
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.21	4.24	3.76	3.19	2.28	2.34	1.45	1.86	1.75	
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.31	4.20	3.72	2.24	2.47	1.48	1.87	1.75	
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41	3.40	2.65	2.38	1.54	1.86	1.75	
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.26	3.20	2.96	2.07	1.58	1.85	1.75	
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	2.91	2.91	1.91	1.55	1.84	1.75	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:
Test Date:2018-06-20

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: