

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	873.4 cd per klm.
(Luminaire orientation as tested.)	-15.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	101.5V x 108.9H
	At 50% of I _{max}	53.7V x 68.9H
	At 90% of I _{max}	19.1V x 22.2H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	882.0 lumens per klm.
	To 50% of I _{max}	450.8 lumens per klm.
	To 90% of I _{max}	75.4 lumens per klm.

Upward LOR	2.8 %
Downward LOR	97.3 %

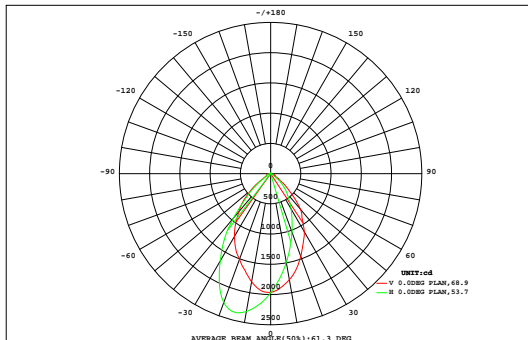
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:9.886m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:86.400V I:0.1760A P:15.206W PF:1.0000 Freq:0Hz Lamp Flux:2709.47x1 lm		
NAME: A030 -日亜-P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.02*0.9	Shielding Angle:



DATA OF LAMP		Eff:178.18lm/W	
MODEL	A030 -日亜-P	Imax(cd)	2367
NOMINAL POWER(W)	15.206	AVAILABILITY(%)	88.2
RATED VOLTAGE(V)	86.4	Avai. FLUX(lm)	2390
NOMINAL FLUX(lm)	2709.47	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2709
TEST VOLTAGE(V)	86.4	θ @50%(H,V)	69,54DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.11	0.29	0.41	0.46	0.44	0.37	0.29	0.24	0.15	0.15	0.22	0.26	0.33	0.40	0.42	0.39	0.29	0.11	5.33	0.00
90	0.11	0.30	0.47	0.61	0.72	0.82	0.87	0.82	0.69	0.68	0.79	0.82	0.75	0.65	0.53	0.42	0.29	0.11	10.4	0.00
80	0.11	0.33	0.57	0.82	1.15	1.45	1.65	1.61	1.41	1.38	1.53	1.54	1.37	1.09	0.76	0.51	0.31	0.11	17.7	0.00
70	0.11	0.36	0.67	1.12	1.61	2.29	3.10	3.66	3.47	3.32	3.29	2.75	2.11	1.57	1.10	0.62	0.34	0.11	31.6	0.00
60	0.12	0.40	0.80	1.38	2.84	5.89	8.90	10.5	10.1	9.78	9.51	7.71	4.90	2.47	1.37	0.76	0.37	0.12	77.9	56.7
50	0.12	0.42	0.91	1.88	6.07	11.6	15.7	17.5	17.3	16.9	16.3	14.3	10.3	4.96	1.73	0.88	0.39	0.12	137	127
40	0.12	0.46	0.98	2.77	9.34	16.7	22.3	25.2	26.3	25.7	23.8	20.7	15.4	7.86	2.38	0.97	0.42	0.12	202	193
30	0.13	0.48	1.03	3.66	11.8	20.9	29.2	34.5	38.2	37.1	32.8	27.0	19.3	10.1	3.03	1.03	0.44	0.13	271	264
20	0.13	0.50	1.06	4.16	13.3	24.2	35.1	44.2	51.7	50.9	43.2	32.8	22.2	11.4	3.40	1.05	0.45	0.13	340	333
10	0.13	0.50	1.06	4.12	13.6	25.5	39.3	52.7	63.7	62.8	52.0	36.8	23.3	11.6	3.36	1.05	0.46	0.13	392	385
0	0.13	0.49	1.04	3.54	12.4	24.0	38.8	55.3	68.1	67.2	53.5	35.8	21.8	10.4	2.91	1.04	0.45	0.13	397	390
-10	0.13	0.47	0.99	2.56	9.73	19.8	32.1	46.3	57.5	56.6	43.8	29.4	17.9	7.80	2.24	0.99	0.44	0.13	329	321
-20	0.12	0.45	0.94	1.78	5.79	13.7	22.2	31.2	38.4	37.7	29.1	20.1	11.8	4.59	1.72	0.93	0.42	0.13	221	211
-30	0.12	0.41	0.87	1.41	2.70	6.57	12.1	16.3	18.6	18.2	15.3	10.7	5.47	2.49	1.41	0.84	0.39	0.12	114	98.1
-40	0.12	0.38	0.76	1.24	1.81	2.67	4.05	5.39	5.91	5.73	4.98	3.73	2.57	1.79	1.25	0.72	0.37	0.12	43.6	11.0
-50	0.11	0.35	0.62	1.00	1.42	1.89	2.32	2.39	2.24	2.22	2.31	2.19	1.80	1.38	0.95	0.60	0.35	0.12	24.3	0.00
-60	0.11	0.32	0.52	0.71	0.92	1.13	1.26	1.23	1.11	1.09	1.19	1.19	1.07	0.87	0.70	0.53	0.33	0.12	14.4	0.00
-70	0.11	0.31	0.46	0.54	0.52	0.43	0.36	0.30	0.19	0.19	0.28	0.35	0.43	0.53	0.57	0.49	0.32	0.12	6.50	0.00
-80	0.11	0.31	0.46	0.54	0.52	0.43	0.36	0.30	0.19	0.19	0.28	0.35	0.43	0.53	0.57	0.49	0.32	0.12	6.50	0.00
-90	0.11	0.31	0.46	0.54	0.52	0.43	0.36	0.30	0.19	0.19	0.28	0.35	0.43	0.53	0.57	0.49	0.32	0.12	6.50	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.15	7.22	14.2	33.8	96.1	180	270	349	405	398	334	248	163	82.0	29.8	13.8	6.83	2.17	2635	---
Φ a	0.00	0.00	0.00	9.77	79.2	165	255	336	393	385	320	233	147	63.1	4.76	0.00	0.00	0.00	---	2390

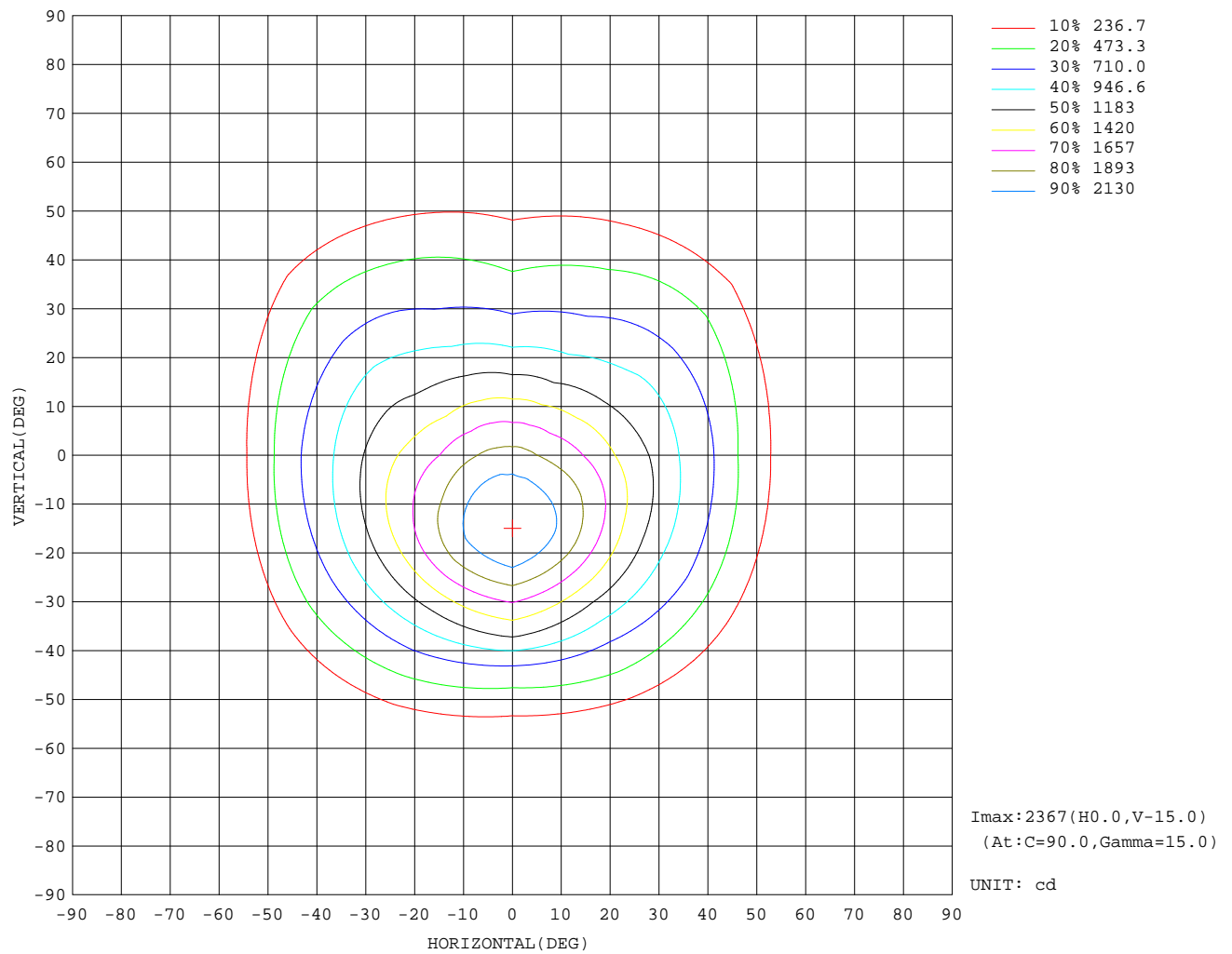
one-half-peak spread: U:22.4,D:31.7 , L:35.0,R:34.5

NEMA Beam Type: Type 6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:9.886m [K=1.0000]
 Remarks:

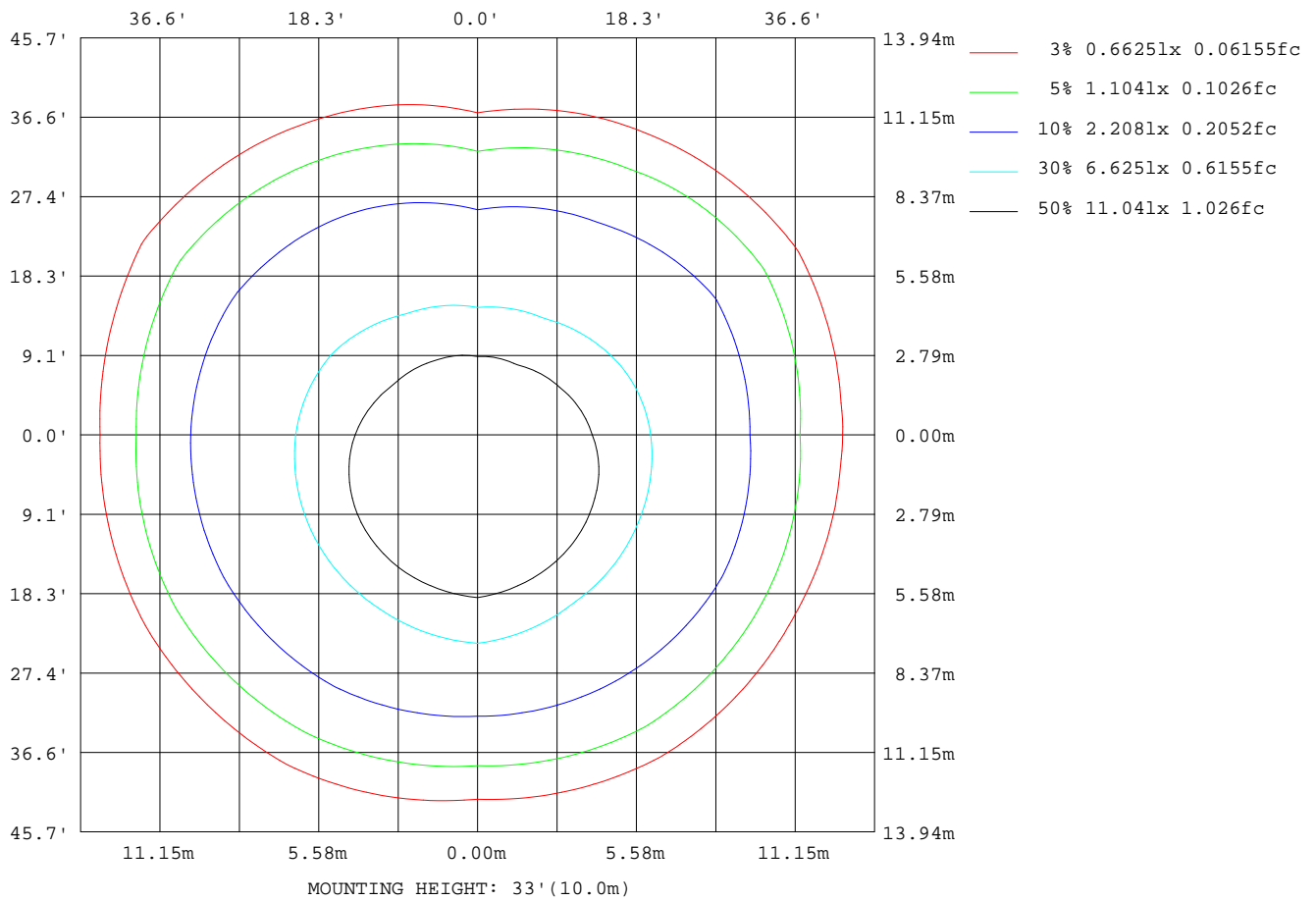
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.886m [K=1.0000]
Remarks:

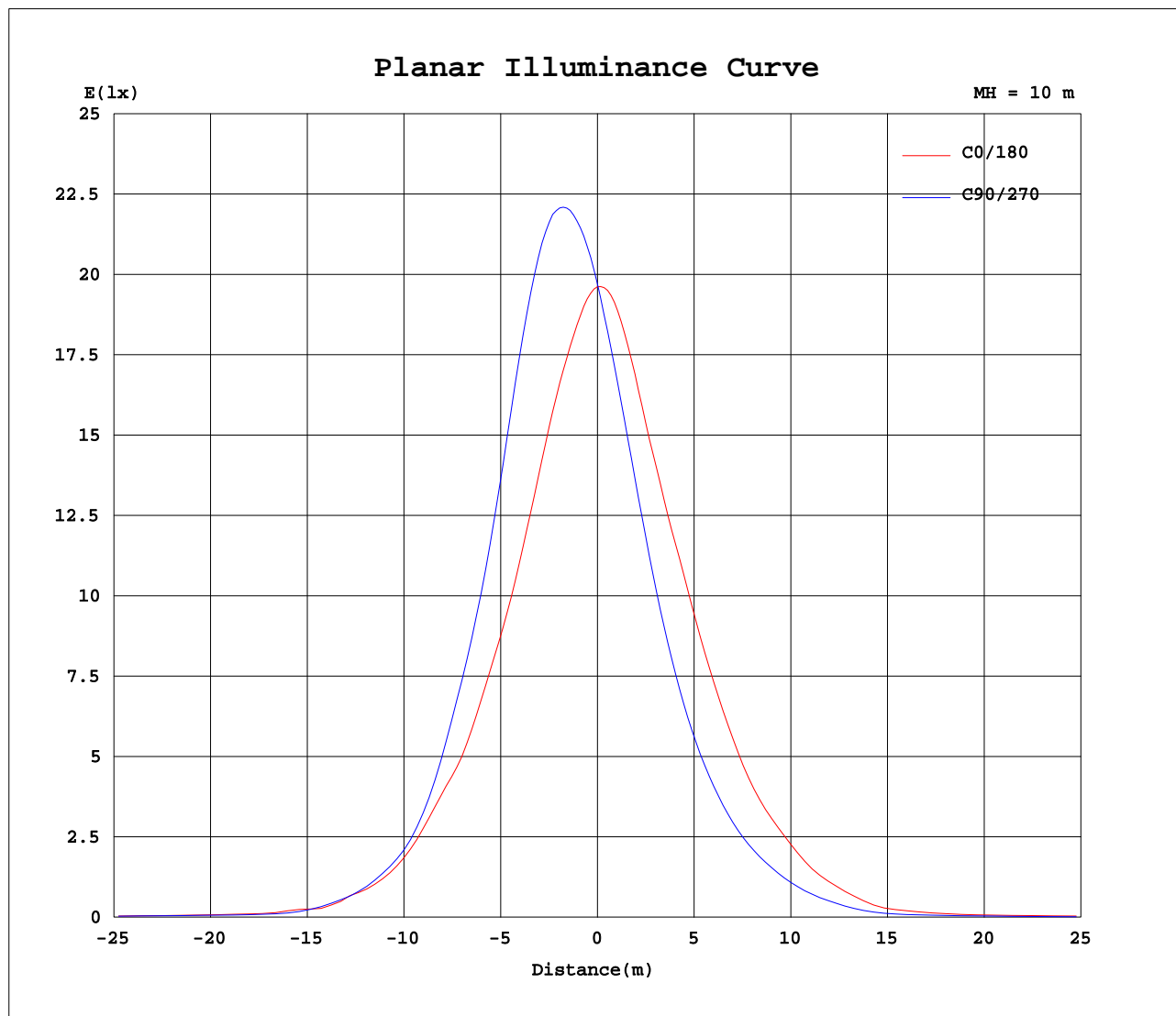
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.886m [K=1.0000]
Remarks:

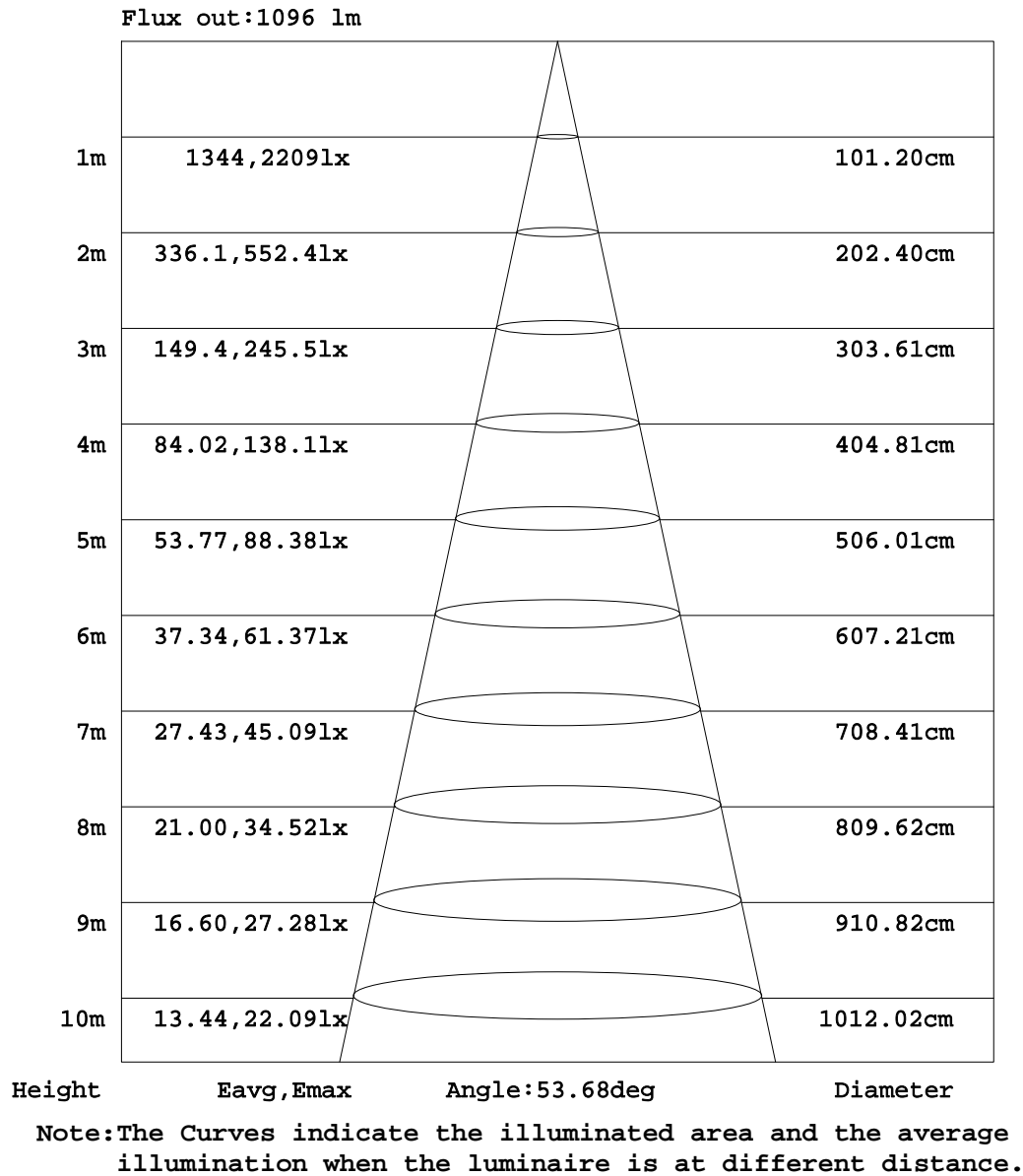
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.886m [K=1.0000]
Remarks:

AAI Figure



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.886m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	43.6	42.7	44.5	46.8	50.7	26.6	4.74	5.03	5.29	5.97	6.98	8.19	9.53	10.9	12.2	13.4	14.2	14.8	15.1
-170	43.6	42.4	43.8	45.9	49.5	28.5	4.52	4.65	4.89	5.35	6.15	7.05	8.02	8.98	9.81	10.5	11.3	11.9	12.1
-160	43.6	42.0	43.0	44.8	47.9	35.9	4.41	4.24	4.35	4.56	5.09	5.66	6.24	7.02	7.80	8.48	9.00	9.40	9.49
-150	43.6	41.6	42.2	43.8	45.3	41.8	9.96	3.89	3.89	3.79	4.04	4.46	4.92	5.38	5.82	6.23	6.63	6.88	6.95
-140	43.6	41.2	41.6	42.4	42.7	46.1	26.2	5.15	3.47	3.39	3.27	3.39	3.63	3.87	4.09	4.36	4.56	4.69	4.72
-130	43.6	41.0	41.0	40.5	40.9	41.0	44.3	26.0	3.76	2.97	2.75	2.63	2.57	2.56	2.69	2.84	2.94	2.99	2.99
-120	43.6	41.1	39.9	39.4	38.8	38.6	37.9	37.2	34.7	23.7	7.01	2.32	1.82	1.62	1.67	1.69	1.71	1.71	1.69
-110	43.6	41.3	39.2	38.2	37.3	36.0	35.3	32.2	26.8	21.5	16.0	10.1	3.87	1.68	1.46	1.29	1.15	1.01	0.86
-100	43.6	41.5	39.6	37.7	36.0	34.5	33.1	29.5	25.4	21.1	16.9	12.6	8.21	6.61	4.95	3.57	2.40	1.38	0.43
-90	43.6	41.9	40.2	38.5	36.7	35.0	33.3	29.1	24.9	20.7	16.6	12.4	8.17	6.87	5.57	4.27	2.97	1.66	0.36
-80	43.6	42.9	41.5	39.8	38.4	37.4	37.0	34.9	32.3	29.8	28.6	28.5	29.6	29.0	27.0	24.2	20.8	16.9	12.7
-70	43.6	43.4	42.0	42.0	43.1	43.2	46.1	48.3	50.2	53.6	57.5	60.1	63.1	64.7	64.9	64.4	63.1	61.2	58.4
-60	43.6	43.7	43.6	45.6	48.9	52.3	59.5	67.6	70.6	74.2	81.2	89.6	97.5	101	96.3	91.5	86.6	80.5	73.5
-50	43.6	43.9	46.3	49.8	54.9	64.4	71.1	73.0	80.7	97.4	110	136	195	262	313	346	367	373	364
-40	43.6	44.2	47.9	53.7	62.1	71.9	74.9	86.7	110	164	281	404	523	619	712	792	865	924	951
-30	43.6	44.8	49.8	56.9	67.7	74.5	82.8	109	192	357	542	674	829	993	1157	1324	1478	1596	1669
-20	43.6	45.4	51.6	59.3	72.4	76.0	92.0	150	322	524	701	890	1092	1309	1555	1799	2024	2170	2267
-10	43.6	45.9	52.8	60.8	74.4	77.8	104	190	409	614	802	1006	1225	1460	1669	1883	2098	2259	2313
0	43.6	46.3	53.5	61.1	75.3	78.3	109	203	426	641	814	1012	1199	1370	1508	1653	1815	1936	1962
10	43.6	45.8	52.5	59.6	73.9	77.5	106	198	405	593	750	913	1062	1177	1250	1329	1426	1489	1493
20	43.6	45.2	51.0	57.5	70.9	75.4	92.3	167	327	497	638	759	875	943	986	1015	1042	1057	1029
30	43.6	44.4	49.0	55.1	63.8	73.2	81.7	116	220	359	496	575	641	689	708	709	718	709	678
40	43.6	43.7	46.9	52.0	56.0	68.8	73.2	84.9	118	195	278	352	415	454	479	487	477	454	420
50	43.6	43.3	45.0	47.7	51.5	54.9	66.3	70.2	76.9	89.0	105	132	165	195	218	229	229	218	197
60	43.6	42.9	42.2	43.4	45.7	48.3	48.9	54.4	61.8	64.1	67.4	71.0	74.0	74.3	71.6	68.5	64.4	58.9	52.2
70	43.6	42.5	40.5	39.8	39.8	39.3	41.0	41.8	41.7	42.2	43.5	45.1	46.4	45.7	43.9	41.3	38.2	34.5	30.5
80	43.6	42.0	39.7	37.3	35.3	33.7	32.4	30.4	28.1	25.8	23.5	21.3	19.2	17.8	16.5	15.0	13.2	11.2	9.11
90	43.6	41.0	38.4	35.9	33.3	30.7	28.2	24.6	21.0	17.4	13.8	10.2	6.63	5.62	4.61	3.60	2.59	1.58	0.57
100	43.6	40.7	37.8	34.9	32.3	29.8	27.3	24.0	20.4	16.8	13.2	9.48	5.77	4.68	3.87	3.10	2.34	1.60	0.86
110	43.6	40.5	37.5	35.4	33.2	30.5	28.2	25.1	21.2	17.1	13.1	8.77	4.22	2.65	2.50	2.38	2.28	2.18	2.07
120	43.6	40.3	38.2	36.5	34.5	32.6	30.1	28.1	25.6	17.6	6.41	3.47	3.25	3.31	3.54	3.76	3.96	4.12	4.23
130	43.6	40.3	39.4	37.7	36.6	35.0	35.1	20.0	4.48	4.02	4.09	4.37	4.77	5.21	5.74	6.19	6.58	6.88	7.07
140	43.6	40.6	40.2	39.8	38.7	39.5	24.4	5.83	4.36	4.69	5.14	5.72	6.58	7.42	8.26	8.88	9.38	9.73	9.94
150	43.6	41.1	41.0	41.7	41.9	38.7	10.4	4.51	4.90	5.23	6.07	7.12	8.23	9.37	10.4	11.4	11.9	12.3	12.4
160	43.6	41.7	42.2	43.3	45.1	35.8	4.73	4.77	5.20	5.81	6.89	8.11	9.45	10.8	12.0	13.0	13.8	14.1	14.3
170	43.6	42.2	43.4	45.1	48.0	28.6	4.70	4.98	5.38	6.09	7.20	8.49	9.91	11.4	12.7	13.7	14.5	15.0	15.0
180	43.6	42.7	44.5	46.8	50.7	26.6	4.74	5.03	5.29	5.97	6.98	8.19	9.53	10.9	12.2	13.4	14.2	14.8	15.1

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 9.886m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	14.8	14.2	13.2	12.0	10.7	9.23	7.84	6.85	5.85	5.04	4.90	4.70	9.78	52.1	46.6	43.6	43.8	45.2	
-170	12.1	12.0	11.4	10.5	9.49	8.31	7.18	6.32	5.47	4.83	4.64	4.53	12.1	49.9	45.7	43.0	43.6	45.2	
-160	9.59	9.38	9.03	8.47	7.72	6.87	6.13	5.50	4.88	4.53	4.35	4.41	20.7	48.3	44.5	42.4	43.4	45.2	
-150	7.03	6.94	6.67	6.31	5.85	5.44	5.01	4.60	4.26	4.14	4.10	5.35	35.2	45.9	43.2	41.8	43.2	45.2	
-140	4.80	4.76	4.64	4.43	4.24	4.04	3.84	3.68	3.78	3.81	4.14	18.2	46.0	43.3	41.6	41.3	43.2	45.2	
-130	3.05	3.06	3.01	2.91	2.81	2.90	2.99	3.11	3.31	3.84	17.1	44.2	42.0	40.9	40.1	41.2	43.2	45.2	
-120	1.78	1.85	1.89	1.90	1.94	2.13	2.53	4.87	17.1	34.5	38.7	39.4	38.7	38.6	39.4	41.2	43.2	45.2	
-110	1.05	1.24	1.43	1.64	1.89	4.18	10.6	16.7	22.7	27.7	32.4	35.5	36.4	37.8	39.6	41.5	43.3	45.2	
-100	1.33	2.28	3.33	4.55	5.98	7.55	12.3	16.9	21.3	25.9	30.5	35.1	36.8	38.5	40.1	41.8	43.5	45.2	
-90	1.71	3.06	4.40	5.75	7.10	8.44	13.1	17.7	22.4	27.1	31.7	36.4	37.8	39.3	40.8	42.3	43.8	45.2	
-80	16.6	20.1	23.0	25.1	26.2	26.1	25.6	27.2	29.8	32.8	36.0	39.0	39.2	39.7	41.0	42.7	44.1	45.2	
-70	60.3	61.4	61.7	61.2	59.9	58.3	56.6	54.8	49.9	47.3	46.6	43.8	43.0	44.0	43.7	42.9	44.4	45.2	
-60	80.5	86.4	91.0	94.7	96.6	92.2	86.5	79.7	74.8	70.9	66.0	55.4	49.7	46.3	46.0	45.1	44.4	45.2	
-50	364	348	317	273	219	168	124	112	89.4	82.1	75.7	71.0	60.9	51.2	47.4	47.5	44.5	45.2	
-40	900	819	729	646	566	455	331	223	130	113	83.4	77.0	69.9	57.7	50.3	48.0	45.0	45.2	
-30	1567	1421	1243	1066	894	753	617	434	276	158	107	82.0	75.1	62.8	52.4	48.6	45.8	45.2	
-20	2141	1963	1714	1445	1204	986	798	635	418	247	137	91.8	78.4	67.3	54.1	49.4	46.6	45.2	
-10	2222	2069	1863	1606	1344	1123	911	737	510	321	155	95.3	79.1	69.9	55.3	50.0	47.3	45.2	
0	1894	1782	1637	1457	1274	1112	911	766	523	333	148	91.7	78.7	70.5	55.2	50.4	47.6	45.2	
10	1453	1388	1294	1188	1086	980	837	695	501	323	162	94.4	78.6	69.1	54.2	49.4	46.9	45.2	
20	1024	982	953	916	877	809	697	587	418	259	149	92.1	77.3	65.3	52.7	48.3	46.0	45.2	
30	694	692	672	660	629	589	538	430	293	184	104	81.0	72.7	57.7	50.4	47.0	44.9	45.2	
40	440	448	444	428	406	362	293	226	154	108	82.7	74.0	65.5	51.5	47.4	45.8	43.9	45.2	
50	209	212	205	188	163	139	109	97.3	83.9	77.0	70.7	64.2	50.5	47.0	43.8	44.5	43.3	45.2	
60	57.7	62.3	65.8	68.4	70.1	69.2	67.6	65.1	62.7	60.4	50.0	46.3	43.6	40.9	41.3	41.5	43.2	45.2	
70	33.7	36.6	39.1	41.3	43.0	43.2	41.6	40.5	39.9	38.3	36.8	35.0	35.2	36.9	37.9	39.8	43.2	45.2	
80	11.0	12.6	14.1	15.2	16.0	17.1	19.0	20.7	22.3	23.9	25.3	26.9	30.3	33.3	36.7	40.2	42.9	45.2	
90	1.60	2.64	3.67	4.71	5.74	6.78	10.4	14.0	17.6	21.2	24.8	28.4	31.2	34.0	36.8	39.6	42.4	45.2	
100	1.52	2.20	2.89	3.60	4.35	5.32	8.83	12.4	15.9	19.4	23.0	26.6	29.9	33.0	36.1	39.1	42.2	45.2	
110	2.18	2.28	2.36	2.46	2.59	4.10	8.58	12.8	16.7	20.4	24.0	26.9	29.4	32.3	35.6	38.9	42.1	45.2	
120	4.17	4.06	3.90	3.73	3.52	3.41	3.47	4.00	8.98	22.1	28.1	29.8	31.5	33.3	35.6	38.8	42.0	45.2	
130	6.93	6.68	6.34	5.93	5.45	4.99	4.68	4.36	4.22	4.37	9.89	31.7	35.0	35.6	36.7	39.0	42.1	45.2	
140	9.77	9.46	9.01	8.44	7.67	6.87	6.05	5.32	4.95	4.60	4.69	16.2	37.0	38.6	38.6	39.4	42.3	45.2	
150	12.2	11.9	11.3	10.6	9.55	8.53	7.53	6.49	5.53	4.98	4.65	5.69	31.4	41.9	40.6	40.3	42.5	45.2	
160	14.0	13.6	12.9	12.0	10.9	9.70	8.36	7.19	6.04	5.27	4.83	4.68	20.6	44.6	42.6	41.4	42.9	45.2	
170	14.7	14.2	13.5	12.5	11.3	9.90	8.46	7.28	6.16	5.28	4.91	4.69	12.2	47.8	44.8	42.5	43.3	45.2	
180	14.8	14.2	13.2	12.0	10.7	9.23	7.84	6.85	5.85	5.04	4.90	4.70	9.78	52.1	46.6	43.6	43.8	45.2	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2021-11-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 9.886m [K=1.0000]
Remarks: