

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	884.9 cd per klm.
(Luminaire orientation as tested.)	-14.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	101.2V x 108.1H
	At 50% of I _{max}	52.6V x 67.8H
	At 90% of I _{max}	18.4V x 21.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	881.2 lumens per klm.
	To 50% of I _{max}	447.6 lumens per klm.
	To 90% of I _{max}	75.8 lumens per klm.

Upward LOR	2.7 %
Downward LOR	97.3 %

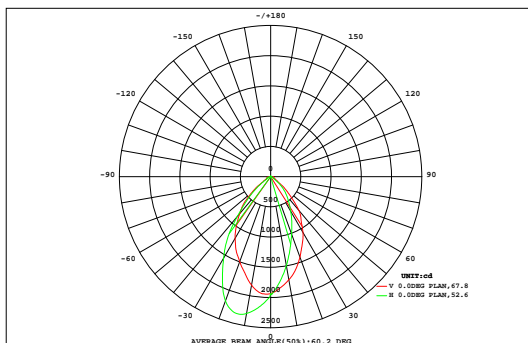
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2021-11-09

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:2637.04x1 lm		
NAME: A016 -日亜-P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.02*0.9	Shielding Angle:



DATA OF LAMP		Eff:173.42lm/W	
MODEL	A016 -日亜-P	Imax(cd)	2334
NOMINAL POWER(W)	15.206	AVAILABILITY(%)	88.1
RATED VOLTAGE(V)	86.4	Avai. FLUX(lm)	2323
NOMINAL FLUX(lm)	2637.04	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2637
TEST VOLTAGE(V)	86.4	θ @50%(H,V)	68,53DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.28	0.41	0.47	0.45	0.38	0.31	0.25	0.17	0.16	0.23	0.29	0.34	0.40	0.41	0.36	0.26	0.10	5.39	0.00
90	0.11	0.30	0.47	0.63	0.74	0.84	0.89	0.84	0.70	0.68	0.79	0.82	0.75	0.64	0.53	0.41	0.27	0.10	10.5	0.00
80	0.11	0.33	0.57	0.84	1.19	1.48	1.69	1.65	1.45	1.41	1.55	1.55	1.37	1.07	0.74	0.49	0.30	0.10	17.9	0.00
70	0.11	0.36	0.67	1.17	1.64	2.34	3.21	3.76	3.55	3.36	3.29	2.73	2.10	1.56	1.06	0.59	0.32	0.11	31.9	0.00
60	0.12	0.39	0.81	1.39	2.85	5.89	8.87	10.4	10.1	9.88	9.62	7.69	4.77	2.42	1.34	0.73	0.34	0.11	77.7	57.6
50	0.12	0.41	0.91	1.88	5.98	11.5	15.3	16.9	17.0	16.9	16.6	14.5	10.2	4.76	1.69	0.85	0.37	0.11	136	126
40	0.12	0.44	0.97	2.76	9.18	16.4	21.7	24.5	25.8	25.7	24.3	21.1	15.5	7.54	2.26	0.94	0.39	0.11	200	192
30	0.12	0.47	1.03	3.61	11.5	20.5	28.5	33.8	37.8	37.3	33.4	27.4	19.2	9.67	2.81	0.99	0.41	0.12	269	261
20	0.13	0.48	1.06	4.05	13.0	23.7	34.5	44.0	51.9	50.8	43.0	32.3	21.6	10.7	3.10	1.01	0.43	0.12	336	329
10	0.13	0.48	1.06	4.02	13.2	25.0	39.1	53.5	64.5	61.4	50.1	35.3	22.3	10.7	3.03	1.01	0.43	0.12	385	379
0	0.12	0.48	1.03	3.48	12.0	23.5	38.7	56.1	68.3	64.9	50.4	33.7	20.6	9.54	2.63	0.99	0.42	0.12	387	380
-10	0.12	0.46	0.98	2.54	9.46	19.2	31.2	45.4	55.4	53.0	40.5	27.5	16.8	7.00	2.05	0.94	0.41	0.12	313	305
-20	0.12	0.43	0.92	1.79	5.66	13.1	20.8	29.1	35.8	34.9	27.2	19.1	10.8	4.09	1.62	0.88	0.39	0.12	207	196
-30	0.12	0.40	0.85	1.42	2.65	6.24	11.2	15.1	17.1	16.9	14.4	9.91	4.96	2.32	1.35	0.79	0.36	0.11	106	89.9
-40	0.11	0.37	0.74	1.22	1.79	2.55	3.73	4.94	5.39	5.23	4.60	3.52	2.46	1.71	1.18	0.67	0.34	0.11	40.7	8.32
-50	0.11	0.33	0.60	0.98	1.40	1.83	2.22	2.28	2.14	2.13	2.22	2.10	1.71	1.29	0.89	0.56	0.33	0.11	23.2	0.00
-60	0.11	0.30	0.50	0.69	0.90	1.12	1.23	1.18	1.03	1.00	1.09	1.10	0.98	0.80	0.65	0.50	0.30	0.11	13.6	0.00
-70	0.11	0.29	0.43	0.50	0.49	0.43	0.37	0.31	0.20	0.19	0.27	0.33	0.41	0.50	0.53	0.45	0.30	0.11	6.20	0.00
-80	0.11	0.29	0.43	0.50	0.49	0.43	0.37	0.31	0.20	0.19	0.27	0.33	0.41	0.50	0.53	0.45	0.30	0.11	6.20	0.00
-90	0.11	0.29	0.43	0.50	0.49	0.43	0.37	0.31	0.20	0.19	0.27	0.33	0.41	0.50	0.53	0.45	0.30	0.11	6.20	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.07	7.01	14.0	33.4	94.1	176	264	344	398	386	323	241	157	76.7	27.9	13.2	6.39	2.00	2565	---
Φ a	0.00	0.00	0.00	9.39	77.3	161	249	331	386	373	310	226	140	57.6	3.01	0.00	0.00	0.00	---	2323

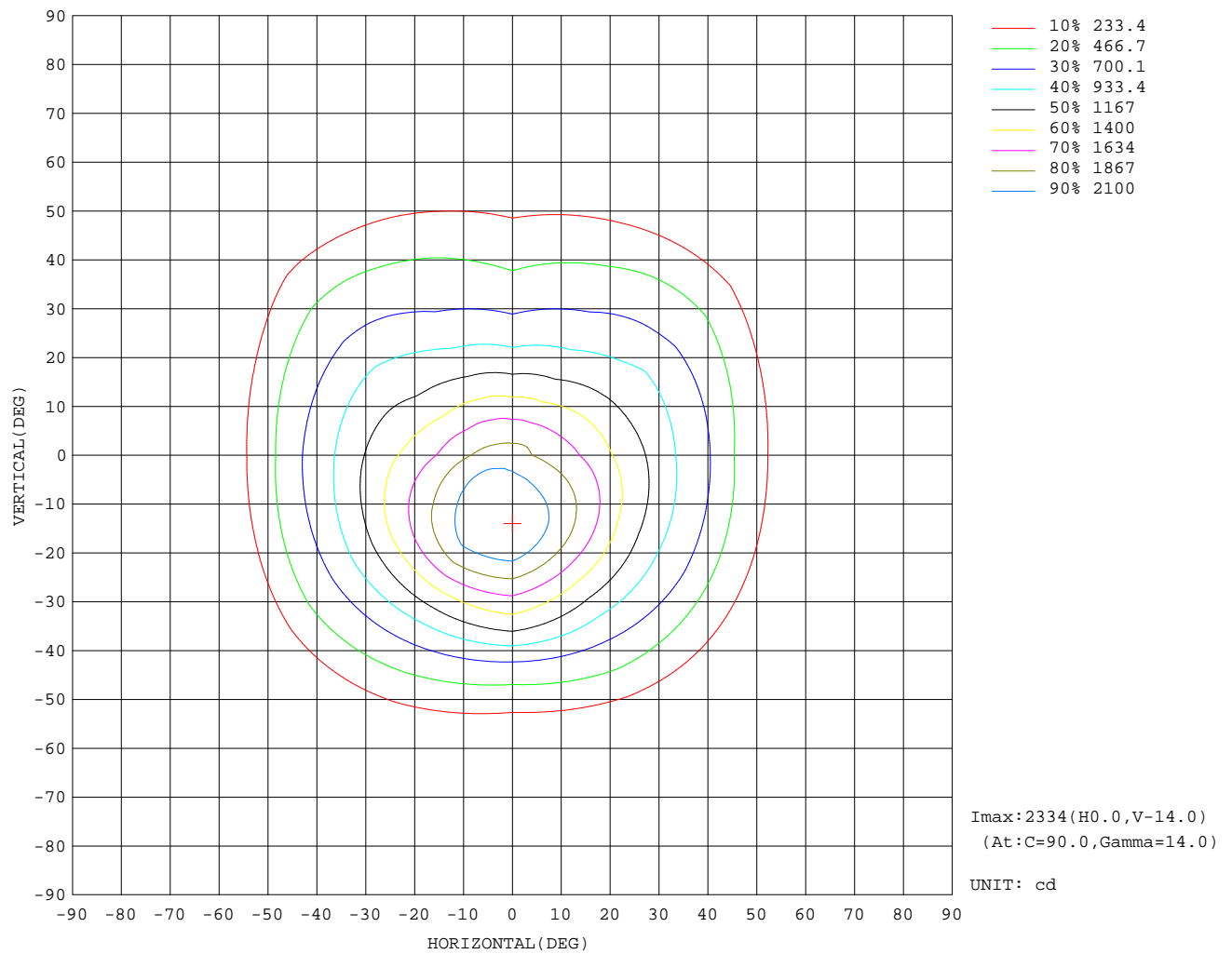
one-half-peak spread: U:22.2,D:30.8 , L:33.6,R:34.6

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:

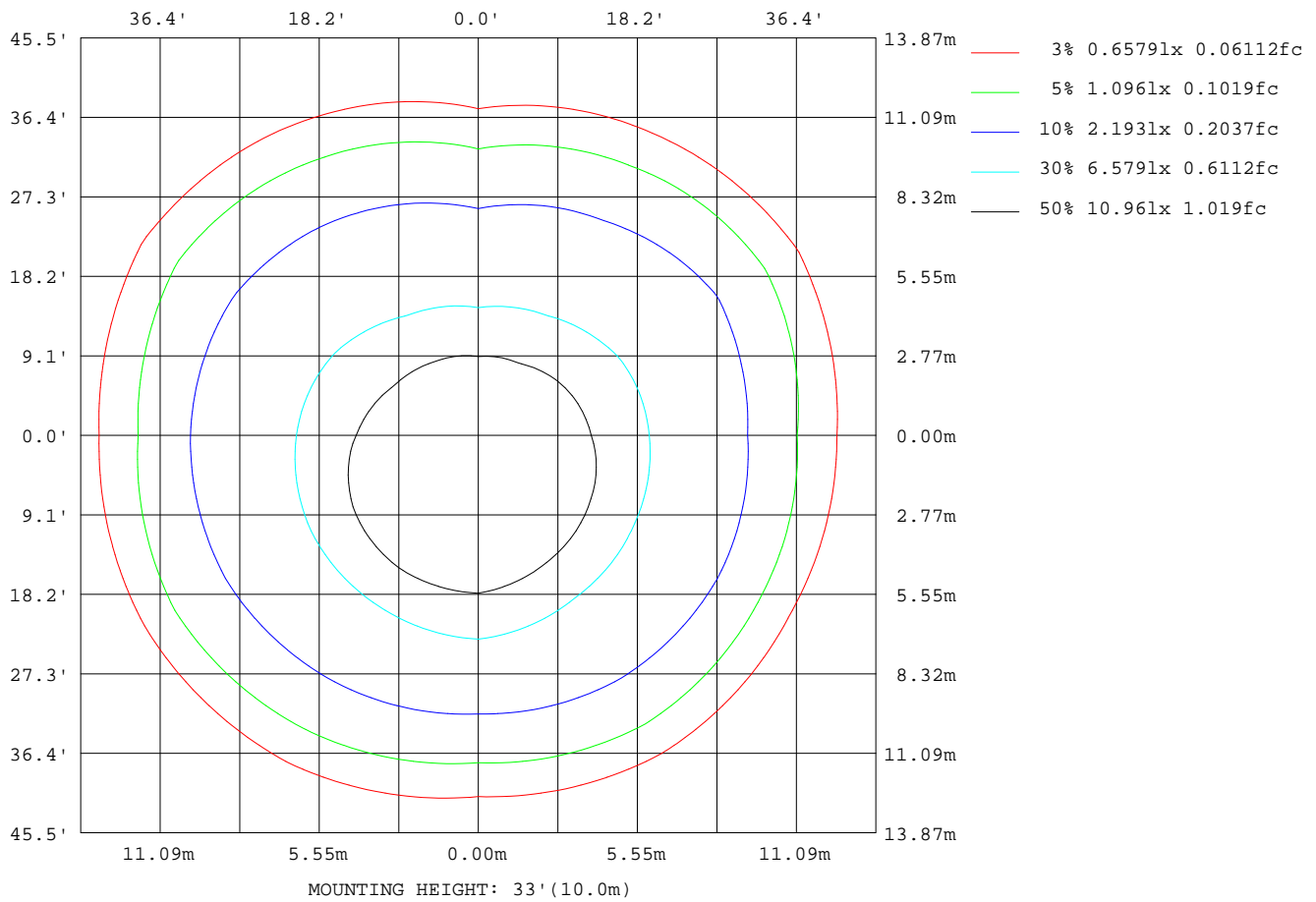
ISOCANDELA DIAGRAM



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:

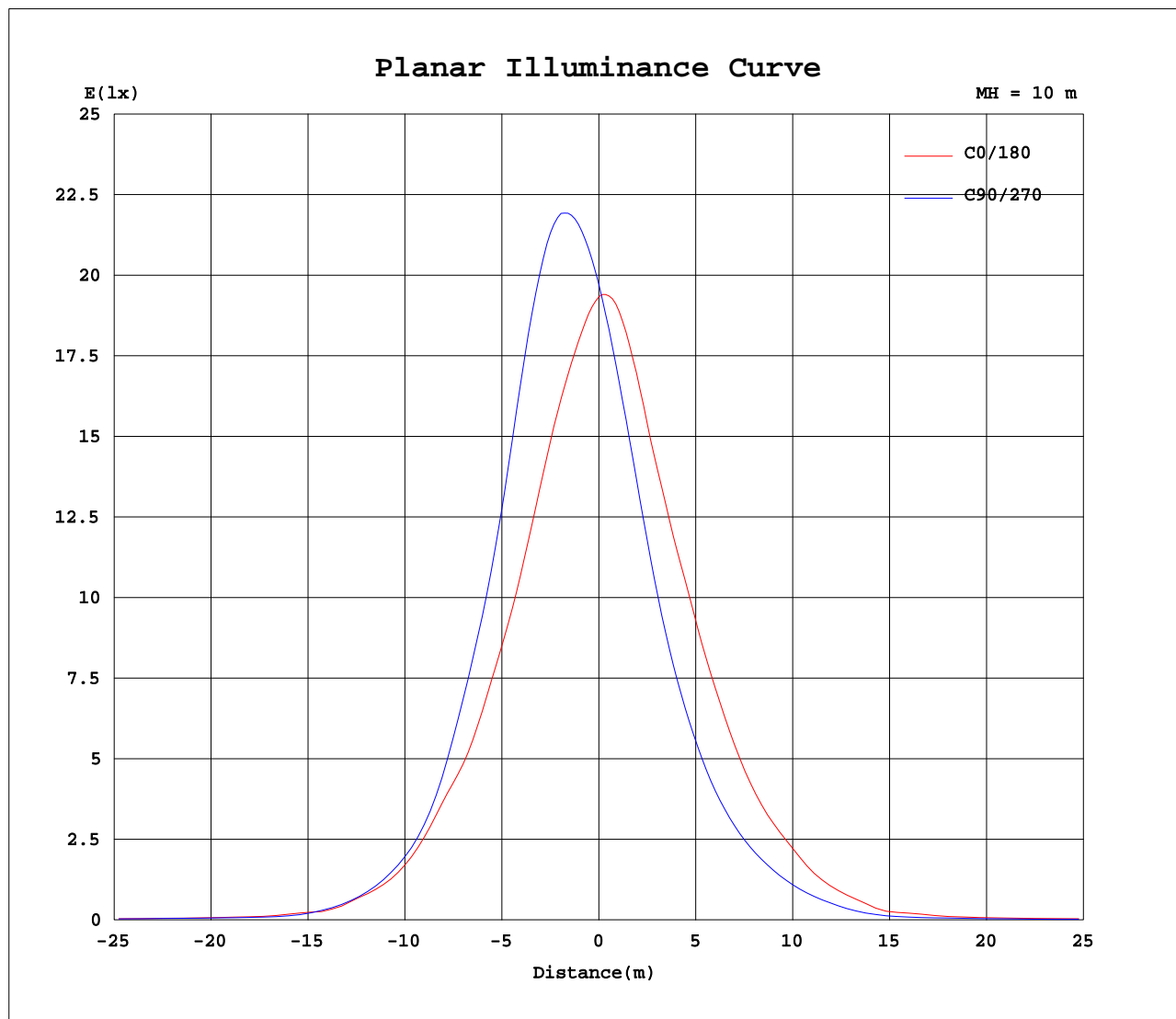
ISOLUX DIAGRAM



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:

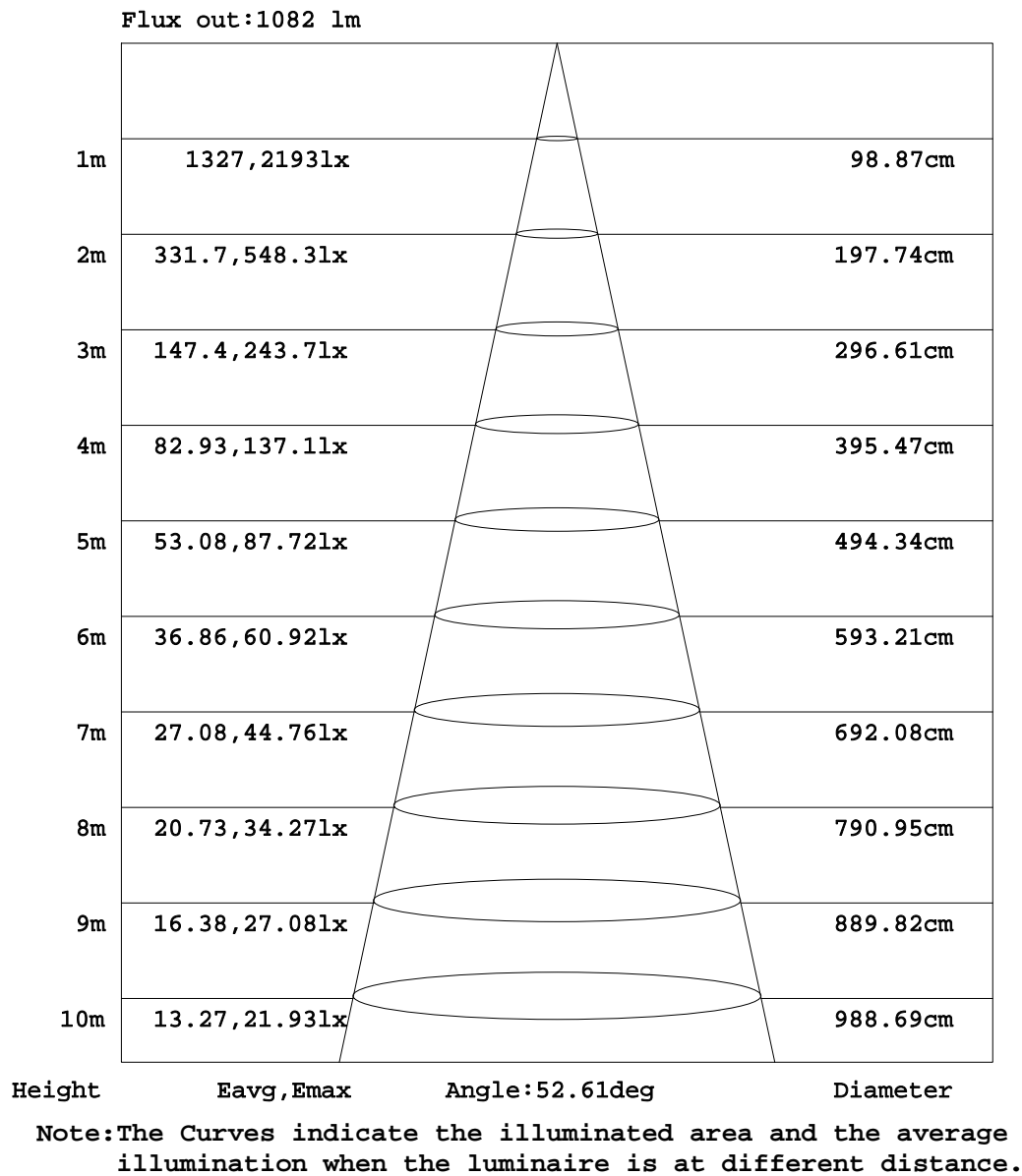
Planar Illuminance Curve



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(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	41.9	42.4	44.3	46.5	50.6	26.8	4.76	4.99	5.18	5.83	6.75	7.86	9.17	10.6	11.9	13.0	13.9	14.5	14.7
-170	41.9	42.0	43.6	45.5	49.0	28.3	4.55	4.65	4.88	5.30	6.06	6.93	7.90	8.92	9.81	10.6	11.4	11.9	12.2
-160	41.9	41.6	42.7	44.4	47.2	35.1	4.47	4.30	4.40	4.61	5.11	5.68	6.31	7.10	7.88	8.56	9.08	9.46	9.57
-150	41.9	41.1	41.7	43.2	44.3	40.0	10.2	3.98	3.98	3.92	4.19	4.57	5.00	5.46	5.92	6.33	6.71	6.95	7.01
-140	41.9	40.6	40.9	41.7	41.6	44.4	25.0	5.35	3.60	3.53	3.39	3.52	3.75	3.96	4.20	4.43	4.65	4.77	4.79
-130	41.9	40.2	40.3	39.7	39.8	39.4	42.0	22.9	3.80	3.07	2.87	2.73	2.65	2.63	2.77	2.91	3.01	3.06	3.06
-120	41.9	40.0	39.3	38.4	37.7	37.0	35.9	34.9	32.4	20.8	6.34	2.40	1.94	1.75	1.74	1.77	1.77	1.76	1.74
-110	41.9	40.0	38.2	37.4	36.1	34.5	33.6	30.3	25.2	20.2	15.1	9.63	3.81	1.74	1.53	1.35	1.20	1.05	0.90
-100	41.9	40.0	38.1	36.3	34.6	33.1	31.8	28.1	24.1	20.0	16.0	12.0	7.58	5.90	4.38	3.14	2.12	1.25	0.44
-90	41.9	40.0	38.2	36.4	34.6	32.8	31.0	27.1	23.2	19.4	15.5	11.7	7.81	6.59	5.37	4.15	2.93	1.71	0.49
-80	41.9	40.8	39.3	37.4	36.1	35.2	34.4	32.6	30.7	29.0	29.2	30.3	31.9	30.7	27.6	24.2	20.5	16.4	12.2
-70	41.9	41.3	39.7	40.3	41.4	41.5	44.7	46.0	48.5	53.4	56.7	59.1	62.0	62.8	62.1	61.0	59.3	57.0	54.0
-60	41.9	41.4	42.1	44.3	47.1	50.1	59.4	66.1	70.0	71.8	79.0	87.5	93.5	94.9	90.8	86.5	82.3	77.2	71.3
-50	41.9	41.5	45.1	47.8	52.7	62.8	70.4	71.5	81.9	97.2	105	129	181	240	288	320	338	343	334
-40	41.9	42.3	46.9	51.6	60.4	70.6	74.3	88.3	108	164	267	391	493	575	654	723	785	836	859
-30	41.9	43.2	48.2	54.6	66.2	73.7	83.1	109	188	350	526	646	789	942	1109	1269	1410	1509	1558
-20	41.9	44.1	49.5	57.0	70.3	75.4	95.4	151	315	508	681	869	1069	1290	1547	1806	2038	2143	2188
-10	41.9	44.8	50.5	58.2	72.2	76.1	105	182	391	597	781	984	1210	1455	1691	1925	2153	2298	2296
0	41.9	45.3	51.1	58.2	73.3	75.5	112	194	404	628	796	988	1177	1351	1496	1651	1821	1933	1933
10	41.9	44.8	50.4	57.1	72.4	75.7	107	190	387	582	733	893	1041	1152	1224	1312	1423	1492	1497
20	41.9	44.0	49.2	55.4	70.1	75.0	95.8	166	319	488	627	744	856	921	962	988	1015	1036	1014
30	41.9	43.1	47.7	53.6	63.7	73.6	80.8	118	218	352	493	567	627	667	682	687	698	692	666
40	41.9	42.1	46.5	51.0	54.8	70.6	73.7	84.4	119	194	272	350	412	446	468	476	468	449	419
50	41.9	41.3	44.6	46.7	50.9	54.5	69.9	71.1	77.6	89.9	107	134	170	199	221	231	231	221	201
60	41.9	41.1	41.6	43.5	45.6	48.4	49.6	56.1	66.1	65.5	68.4	72.3	75.5	76.9	74.5	71.3	67.1	61.3	54.3
70	41.9	40.9	39.2	39.5	40.1	39.7	42.3	42.8	42.8	43.7	44.2	45.6	46.9	46.2	44.4	41.7	38.5	34.8	30.7
80	41.9	40.4	38.5	36.4	35.0	34.1	32.8	30.9	28.9	26.7	24.4	22.0	19.5	18.0	16.9	15.5	13.8	11.8	9.69
90	41.9	39.7	37.5	35.3	33.1	30.9	28.7	25.1	21.4	17.8	14.1	10.5	6.88	5.86	4.83	3.81	2.79	1.77	0.74
100	41.9	39.6	37.2	34.9	32.7	30.8	28.9	25.4	21.6	17.7	13.8	9.91	5.96	4.81	3.97	3.15	2.35	1.56	0.77
110	41.9	39.6	37.4	36.0	34.1	31.8	30.0	26.9	22.7	18.1	13.8	9.28	4.44	2.70	2.48	2.31	2.17	2.02	1.87
120	41.9	39.6	38.4	37.0	35.5	34.0	31.6	29.7	26.7	19.8	7.68	3.56	3.19	3.14	3.33	3.48	3.63	3.75	3.82
130	41.9	39.8	39.5	38.3	37.6	36.0	36.1	23.5	4.77	4.04	4.02	4.17	4.44	4.77	5.24	5.68	6.06	6.35	6.55
140	41.9	40.3	40.2	40.4	39.3	40.3	26.0	6.06	4.39	4.59	4.95	5.38	6.12	6.89	7.66	8.29	8.81	9.20	9.44
150	41.9	40.8	41.1	42.2	42.2	40.1	10.7	4.53	4.82	5.08	5.79	6.71	7.73	8.81	9.87	10.8	11.4	11.8	12.1
160	41.9	41.4	42.2	43.5	45.4	35.5	4.77	4.74	5.11	5.60	6.57	7.68	8.94	10.3	11.5	12.6	13.4	13.8	14.0
170	41.9	42.0	43.3	45.0	48.2	28.4	4.71	4.93	5.26	5.89	6.91	8.10	9.47	10.9	12.3	13.4	14.2	14.7	14.8
180	41.9	42.4	44.3	46.5	50.6	26.8	4.76	4.99	5.18	5.83	6.75	7.86	9.17	10.6	11.9	13.0	13.9	14.5	14.8

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	14.5	13.9	13.0	11.9	10.5	9.10	7.71	6.75	5.79	4.96	4.82	4.72	6.37	45.9	42.9	39.6	40.0	41.6	
-170	12.2	12.0	11.4	10.5	9.42	8.24	7.08	6.22	5.39	4.73	4.59	4.58	8.20	43.9	41.9	39.1	39.8	41.6	
-160	9.65	9.43	9.06	8.46	7.70	6.83	6.03	5.45	4.83	4.49	4.38	4.54	15.3	43.1	40.6	38.4	39.7	41.6	
-150	7.08	6.97	6.69	6.32	5.83	5.43	4.98	4.58	4.26	4.20	4.18	4.88	29.1	41.2	39.2	37.8	39.6	41.6	
-140	4.85	4.79	4.65	4.43	4.23	4.04	3.84	3.69	3.89	3.92	4.31	14.0	41.0	39.1	37.8	37.4	39.6	41.6	
-130	3.10	3.09	3.02	2.93	2.82	2.99	3.07	3.21	3.49	4.17	12.5	39.3	37.5	36.8	36.3	37.4	39.8	41.6	
-120	1.83	1.91	1.98	2.01	2.03	2.30	2.76	3.92	13.8	30.7	33.8	34.9	34.8	34.8	35.6	37.6	39.9	41.6	
-110	1.11	1.33	1.55	1.81	2.13	4.16	9.74	15.1	20.3	24.9	29.1	31.9	32.6	34.0	36.1	38.2	40.0	41.6	
-100	1.40	2.41	3.50	4.73	6.12	7.59	11.6	15.5	19.4	23.5	27.7	31.8	33.7	35.4	37.0	38.6	40.1	41.6	
-90	1.85	3.21	4.56	5.92	7.28	8.64	12.7	16.8	20.9	25.0	29.1	33.2	34.6	36.0	37.4	38.8	40.2	41.6	
-80	15.4	18.2	20.4	22.0	22.6	22.9	23.6	25.5	28.0	30.8	33.7	36.3	35.9	36.1	37.6	39.4	40.4	41.6	
-70	56.0	57.1	57.4	56.9	55.7	54.7	53.5	51.2	45.8	44.1	43.5	40.7	40.0	40.7	40.5	39.1	41.0	41.6	
-60	78.0	83.9	88.5	91.9	93.5	89.5	83.4	76.3	70.9	66.5	61.9	51.2	46.6	43.0	42.4	41.7	40.9	41.6	
-50	334	318	288	249	203	154	118	105	85.4	79.0	72.1	66.7	57.0	48.0	43.9	44.0	40.6	41.6	
-40	822	760	692	625	536	417	296	204	118	104	80.4	73.8	65.9	53.6	46.8	44.2	40.7	41.6	
-30	1459	1322	1157	996	841	714	568	388	246	136	101	78.9	71.8	59.4	49.2	44.9	41.7	41.6	
-20	2034	1826	1585	1344	1129	924	761	585	378	219	123	86.0	75.3	63.6	50.7	45.6	42.8	41.6	
-10	2163	1992	1777	1523	1275	1064	868	692	466	291	142	91.8	76.2	66.6	51.9	46.1	43.6	41.6	
0	1845	1733	1594	1416	1237	1070	879	724	482	309	139	90.7	75.9	67.5	52.0	46.5	44.0	41.6	
10	1458	1402	1315	1201	1087	971	826	668	472	302	152	92.0	76.0	66.0	51.1	45.8	43.4	41.6	
20	1024	997	972	936	895	820	698	573	400	238	139	89.1	74.9	62.1	49.5	44.9	42.4	41.6	
30	692	698	686	673	639	595	535	419	278	172	101	79.3	70.3	55.5	47.5	43.7	41.0	41.6	
40	442	452	450	434	408	359	286	218	150	105	81.8	72.5	62.5	48.9	44.6	42.6	39.9	41.6	
50	212	214	204	186	161	135	109	95.4	84.1	76.1	68.9	61.6	48.5	44.5	41.4	41.9	39.7	41.6	
60	59.3	63.5	66.7	69.1	70.4	69.6	67.6	65.0	61.3	58.5	49.3	43.9	41.6	39.2	39.1	39.3	39.8	41.6	
70	33.9	36.7	39.1	41.2	43.0	43.4	41.6	39.8	38.4	37.1	35.9	34.7	34.4	35.7	36.6	36.7	39.8	41.6	
80	11.5	13.1	14.6	15.9	17.0	18.1	19.7	21.3	22.9	24.5	26.2	28.1	29.4	31.2	33.9	36.9	39.2	41.6	
90	1.75	2.76	3.77	4.78	5.79	6.80	9.93	13.1	16.2	19.3	22.5	25.6	28.3	30.9	33.6	36.2	38.9	41.6	
100	1.42	2.08	2.76	3.47	4.23	5.18	8.27	11.3	14.3	17.4	20.5	23.7	27.0	30.1	33.1	36.0	38.8	41.6	
110	1.99	2.10	2.21	2.34	2.49	3.82	7.69	11.4	15.0	18.5	21.8	24.5	26.4	29.0	32.2	35.6	38.8	41.6	
120	3.80	3.72	3.61	3.46	3.27	3.26	3.42	3.79	6.23	17.4	24.5	26.6	28.6	30.3	32.1	35.3	38.7	41.6	
130	6.45	6.26	5.97	5.60	5.14	4.75	4.51	4.26	4.23	4.48	7.80	26.0	31.2	32.4	33.3	35.4	38.7	41.6	
140	9.32	9.05	8.65	8.14	7.42	6.66	5.90	5.22	4.94	4.62	4.72	13.3	31.2	34.9	35.1	35.7	38.7	41.6	
150	11.9	11.5	11.1	10.3	9.38	8.37	7.41	6.42	5.50	4.93	4.67	5.12	26.3	37.7	37.0	36.5	38.9	41.6	
160	13.7	13.3	12.7	11.9	10.9	9.69	8.30	7.13	5.97	5.21	4.82	4.78	15.3	39.2	38.9	37.6	39.2	41.6	
170	14.5	14.0	13.4	12.5	11.3	9.86	8.38	7.16	6.06	5.16	4.83	4.72	8.25	41.8	41.0	38.6	39.6	41.6	
180	14.5	13.9	13.0	11.9	10.5	9.10	7.71	6.75	5.79	4.96	4.82	4.72	6.37	45.9	42.9	39.6	40.0	41.6	

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: