

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	910.9 cd per klm.
(Luminaire orientation as tested.)	-10.5 degrees vertical
	-6.0 degrees horizontal

Beam Spread	At 10% of I _{max}	101.3V x 101.4H
	At 50% of I _{max}	54.8V x 63.3H
	At 90% of I _{max}	20.1V x 24.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	898.7 lumens per klm.
	To 50% of I _{max}	517.9 lumens per klm.
	To 90% of I _{max}	99.8 lumens per klm.

Upward LOR	1.2 %
Downward LOR	98.8 %

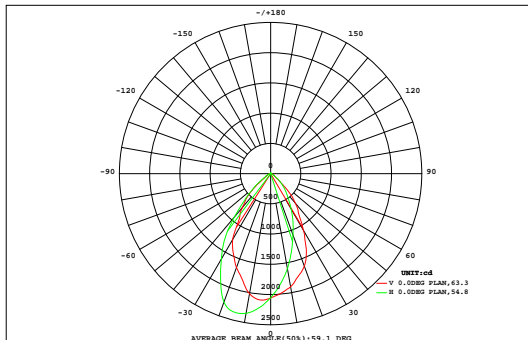
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2022-01-05

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:86.100V I:0.1750A P:15.068W PF:1.0000 Freq:0Hz Lamp Flux:2611.27x1 lm		
NAME: D200-D224N-P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.12*0.9	Shielding Angle:



DATA OF LAMP		Eff:173.30lm/W	
MODEL	D200-D224N-P	Imax(cd)	2379
NOMINAL POWER(W)	15.0675	AVAILABILITY(%)	89.9
RATED VOLTAGE(V)	86.1	Avai. FLUX(lm)	2347
NOMINAL FLUX(lm)	2611.27	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2611
TEST VOLTAGE(V)	86.1	θ @50%(H,V)	63,55DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.08	0.15	0.23	0.28	0.30	0.29	0.23	0.15	0.14	0.20	0.24	0.23	0.19	0.15	0.10	0.05	0.02	3.05	0.00
90	0.03	0.08	0.15	0.23	0.28	0.30	0.29	0.23	0.15	0.14	0.20	0.24	0.23	0.19	0.15	0.10	0.05	0.02	3.05	0.00
80	0.03	0.12	0.28	0.45	0.61	0.76	0.83	0.83	0.76	0.74	0.78	0.75	0.67	0.55	0.38	0.19	0.08	0.02	8.81	0.00
70	0.03	0.16	0.38	0.74	1.08	1.36	1.58	1.67	1.60	1.59	1.61	1.50	1.25	0.96	0.69	0.36	0.11	0.02	16.7	0.00
60	0.04	0.20	0.54	1.04	1.51	2.14	2.96	3.65	3.82	3.75	3.48	2.74	1.98	1.40	0.92	0.49	0.17	0.03	30.9	0.00
50	0.04	0.23	0.66	1.27	2.37	4.75	7.99	9.89	9.63	9.53	9.48	7.27	3.95	2.03	1.15	0.59	0.21	0.03	71.1	48.4
40	0.05	0.27	0.75	1.59	4.48	9.58	14.3	17.1	17.0	16.9	17.1	13.9	8.51	3.41	1.39	0.67	0.24	0.03	127	116
30	0.05	0.29	0.81	2.05	7.11	14.2	21.8	26.3	27.6	26.9	25.3	20.7	13.2	5.57	1.68	0.73	0.26	0.04	195	186
	0.05	0.31	0.86	2.53	9.60	18.9	30.2	37.2	41.5	39.7	35.8	28.8	17.3	7.61	1.90	0.77	0.27	0.04	273	266
	0.05	0.31	0.87	2.81	11.2	22.6	37.3	48.4	56.3	53.7	46.8	35.5	20.2	8.82	1.98	0.77	0.28	0.04	348	341
	0.05	0.31	0.86	2.79	11.5	23.9	41.8	57.3	67.4	64.7	55.2	39.4	21.1	8.98	1.94	0.77	0.28	0.04	398	392
	0.05	0.31	0.85	2.42	10.2	21.7	40.3	59.0	70.6	67.7	55.4	36.9	19.3	7.89	1.78	0.76	0.28	0.04	396	388
	0.05	0.30	0.81	1.83	7.59	17.1	31.8	48.4	58.2	56.0	44.5	29.1	15.4	5.53	1.53	0.72	0.27	0.04	319	311
-30	0.05	0.27	0.75	1.43	4.27	11.7	20.9	31.3	38.2	37.8	30.3	19.7	9.83	3.01	1.32	0.67	0.25	0.03	212	202
-40	0.04	0.24	0.67	1.23	2.12	5.20	10.9	15.8	18.2	17.9	14.8	9.48	4.23	1.97	1.13	0.59	0.22	0.03	105	88.5
-50	0.04	0.20	0.55	1.06	1.60	2.31	3.55	5.04	6.05	5.95	4.88	3.54	2.34	1.51	0.94	0.51	0.19	0.03	40.3	8.03
-60	0.04	0.17	0.41	0.78	1.21	1.66	2.04	2.22	2.27	2.28	2.22	1.98	1.52	1.08	0.75	0.42	0.13	0.02	21.2	0.00
-70	0.03	0.13	0.29	0.50	0.73	0.96	1.11	1.11	1.01	0.99	1.04	1.00	0.87	0.70	0.49	0.24	0.09	0.02	11.3	0.00
-80	0.03	0.09	0.18	0.26	0.32	0.38	0.39	0.31	0.19	0.18	0.27	0.34	0.34	0.26	0.19	0.12	0.06	0.02	3.93	0.00
-90	0.03	0.09	0.18	0.26	0.32	0.38	0.39	0.31	0.19	0.18	0.27	0.34	0.34	0.26	0.19	0.12	0.06	0.02	3.93	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.74	4.00	10.7	25.0	77.8	160	270	366	420	406	349	253	142	61.5	20.3	9.45	3.43	0.52	2580	---
Φ a	0.00	0.00	0.00	2.47	59.6	143	255	352	406	393	335	237	125	38.2	0.00	0.00	0.00	0.00	---	2347

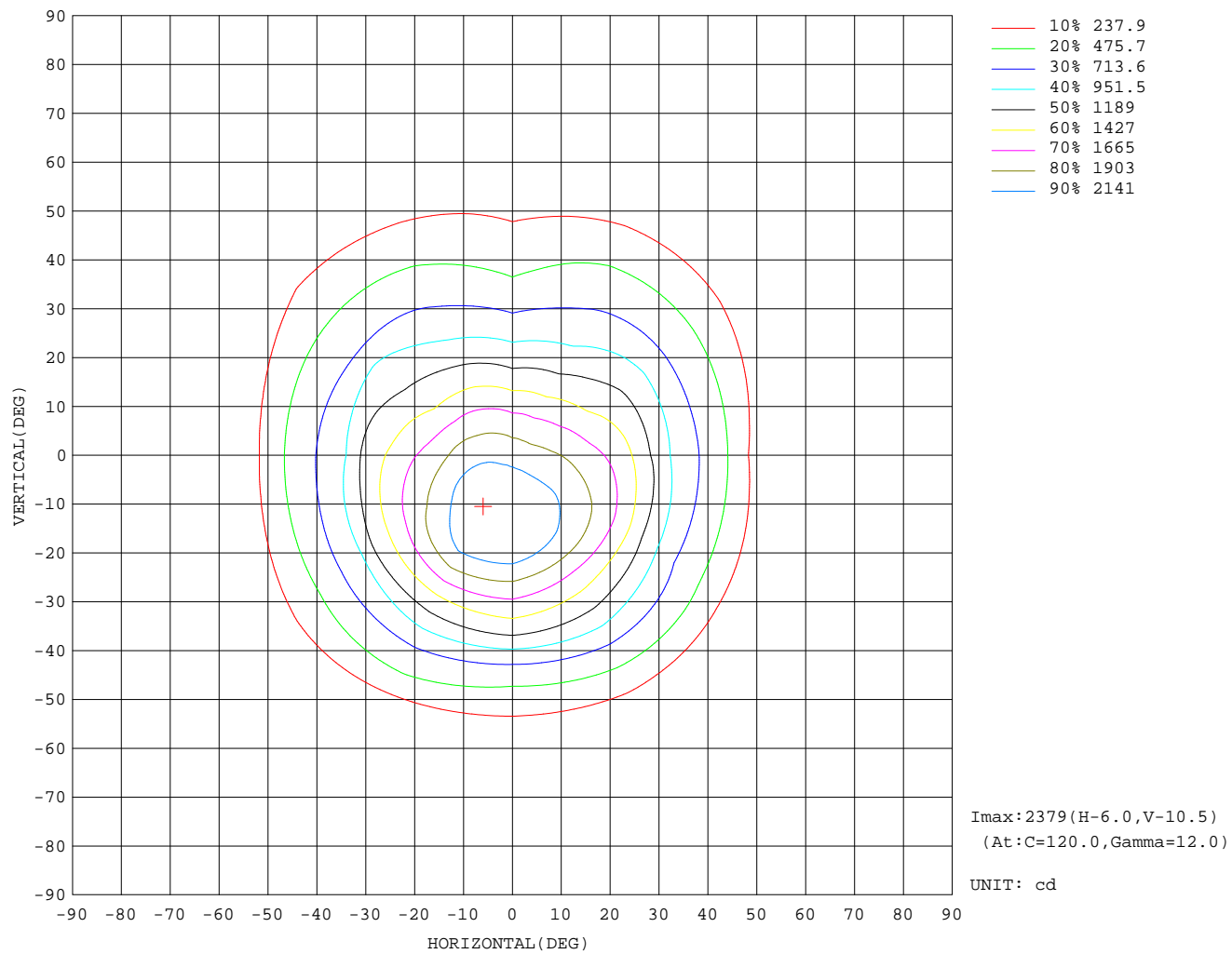
one-half-peak spread: U:23.1,D:32.1 , L:27.8,R:35.8

NEMA Beam Type: Type 6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2022-01-05

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:

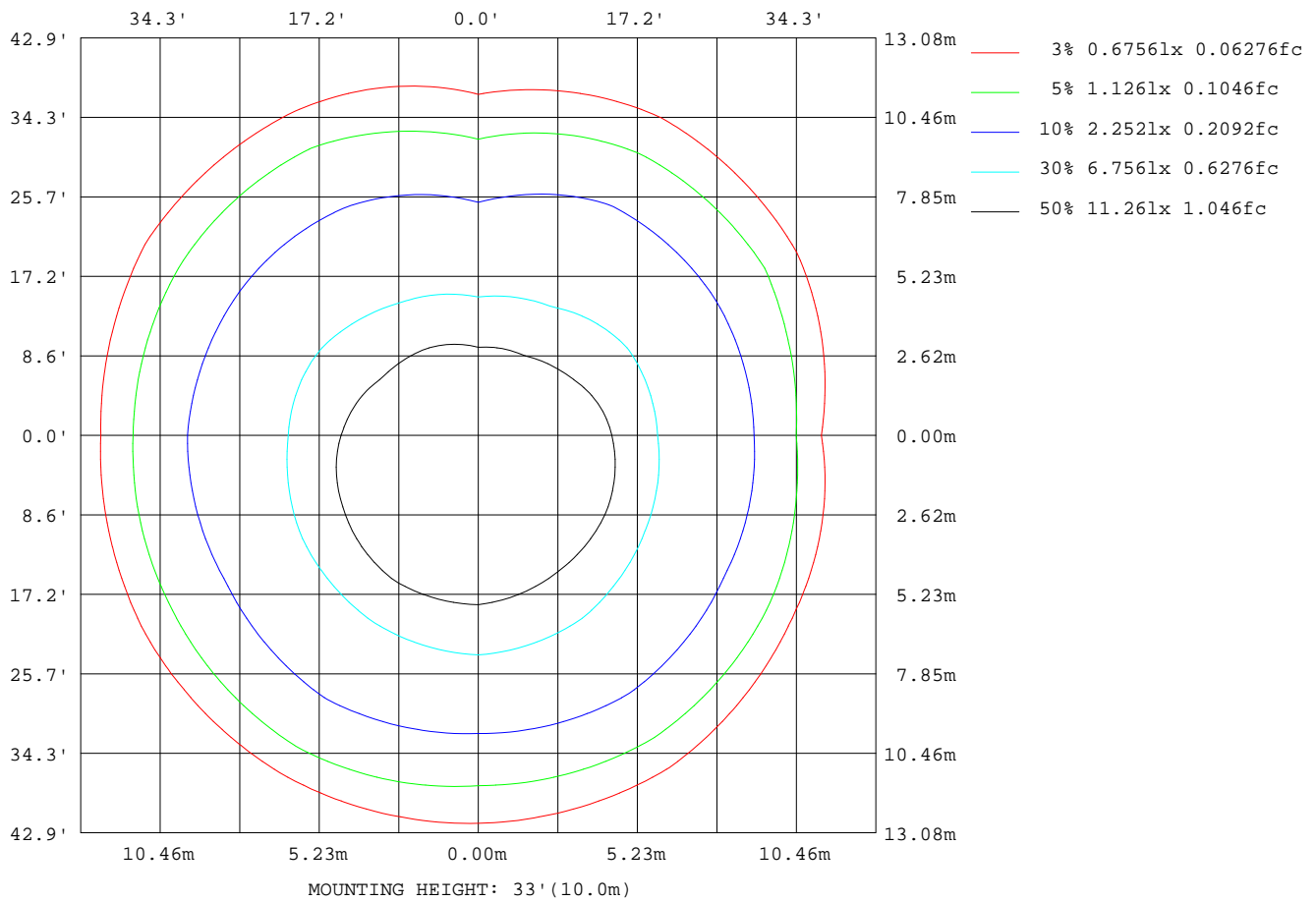
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

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:

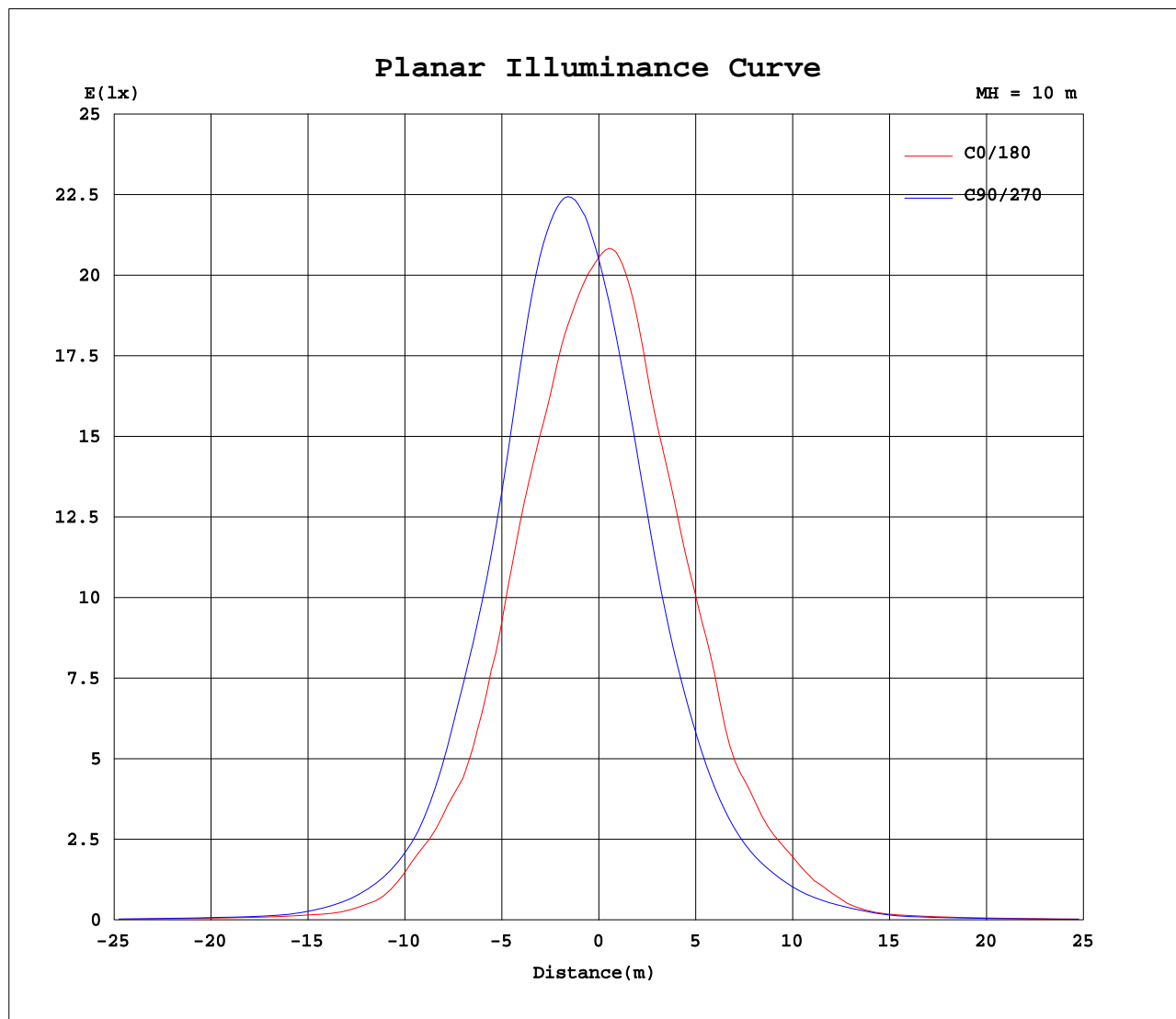
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

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:

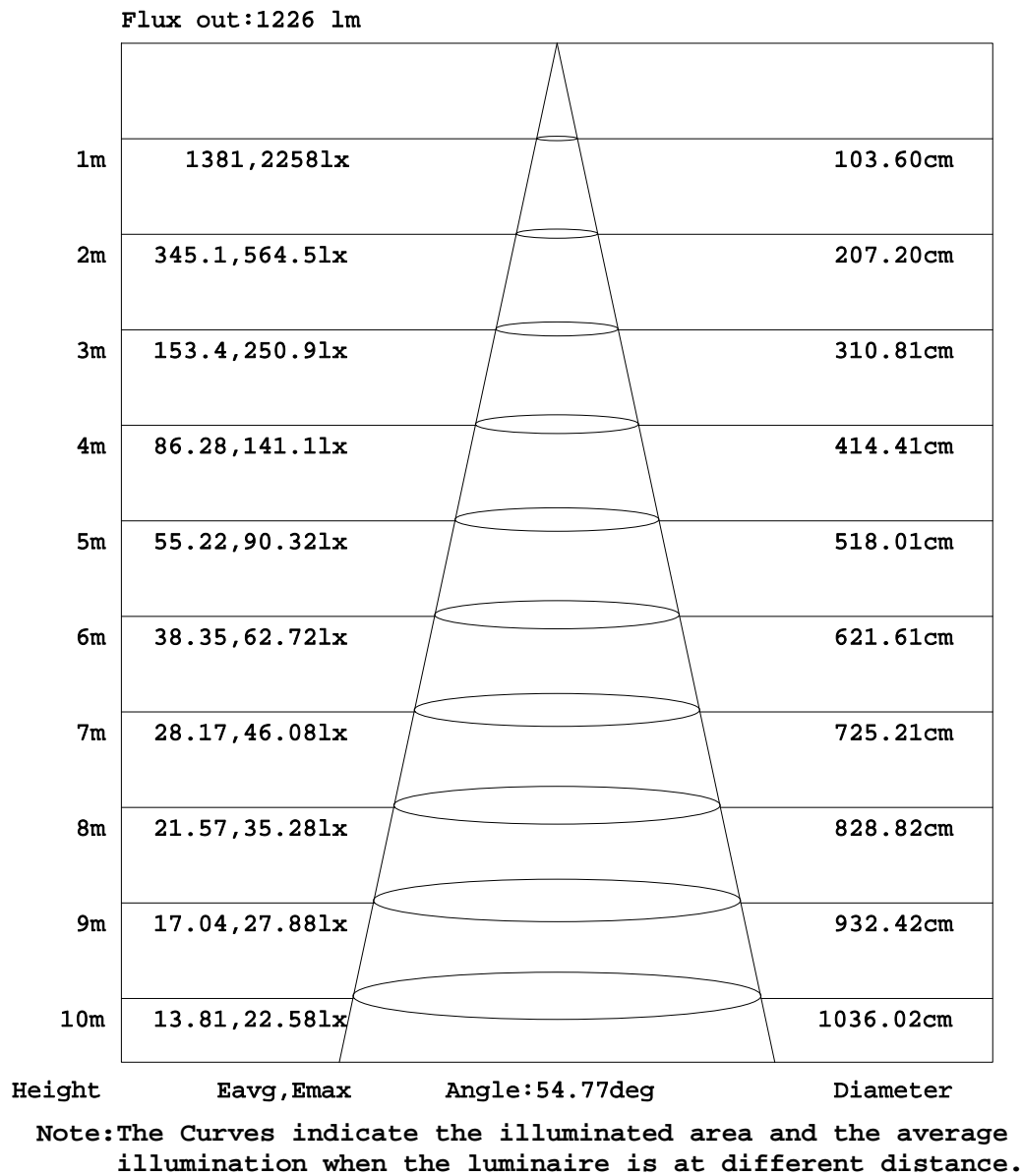
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

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: 2022-01-05

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	9.14	4.93	2.48	1.88	1.98	2.50	3.42	3.64	4.41	5.61	6.85	8.20	9.65	11.1	12.5	14.0	15.2	15.9	16.2
-170	9.14	4.96	2.50	1.88	1.95	2.44	3.13	3.38	4.03	5.04	6.06	7.12	8.18	9.23	10.2	11.0	12.0	12.7	13.1
-160	9.14	5.05	2.59	1.91	1.88	2.28	2.76	3.07	3.47	4.20	4.97	5.72	6.42	7.28	8.16	8.97	9.63	10.1	10.3
-150	9.14	5.20	2.82	2.01	1.79	2.08	2.64	2.82	2.87	3.30	3.83	4.43	5.04	5.61	6.14	6.64	7.13	7.43	7.55
-140	9.14	5.46	3.28	2.13	1.79	1.87	2.14	2.79	2.56	2.54	2.85	3.27	3.65	4.00	4.30	4.64	4.90	5.07	5.14
-130	9.14	5.89	3.92	2.44	1.96	1.74	1.84	2.04	2.23	2.47	2.23	2.26	2.42	2.61	2.82	3.01	3.15	3.23	3.25
-120	9.14	6.59	4.81	3.21	2.31	1.94	1.73	1.71	1.71	1.68	1.63	1.60	1.59	1.55	1.65	1.74	1.80	1.84	1.85
-110	9.14	7.44	5.65	4.66	3.46	2.52	2.17	1.88	1.68	1.58	1.66	1.62	1.47	1.27	1.13	1.05	1.01	0.98	0.94
-100	9.14	8.27	7.39	6.37	5.47	4.85	4.48	3.60	2.90	2.37	1.94	1.61	1.40	1.22	1.07	0.92	0.78	0.63	0.49
-90	9.14	9.17	9.19	9.22	9.25	9.28	9.31	8.98	8.65	8.32	7.99	7.67	7.34	6.17	5.00	3.83	2.67	1.50	0.33
-80	9.14	10.2	11.5	13.6	16.2	18.7	21.1	22.1	23.5	25.7	28.1	30.5	32.0	29.0	25.3	22.0	18.9	16.0	12.9
-70	9.14	11.3	14.5	18.7	22.8	25.9	30.5	35.9	40.2	43.2	47.2	51.8	56.6	59.0	58.1	56.8	55.2	53.1	50.6
-60	9.14	12.4	17.6	22.8	28.7	36.5	45.6	53.7	60.5	66.8	72.6	77.6	83.5	88.2	91.8	95.0	97.3	97.8	96.7
-50	9.14	13.4	20.3	27.0	36.1	47.2	57.5	66.4	71.7	83.3	93.8	113	156	207	261	313	350	365	362
-40	9.14	14.1	22.0	31.4	42.9	55.1	65.1	74.6	87.7	111	216	330	473	582	684	764	842	903	929
-30	9.14	15.0	23.8	34.4	47.7	60.5	71.0	86.5	125	267	434	572	751	935	1174	1364	1502	1594	1633
-20	9.14	15.7	25.3	36.5	51.0	63.7	78.4	101	225	421	592	758	1031	1344	1624	1917	2148	2231	2259
-10	9.14	16.1	26.1	37.6	52.1	65.7	82.2	122	307	515	700	909	1246	1529	1792	2018	2249	2370	2346
0	9.14	16.1	26.2	37.2	51.5	65.7	83.7	124	331	555	723	902	1260	1460	1653	1814	2017	2096	2056
10	9.14	16.1	26.0	37.5	51.9	65.9	84.9	130	301	495	652	824	1081	1228	1344	1438	1580	1640	1596
20	9.14	15.6	25.1	36.3	50.7	64.2	81.0	116	224	393	535	650	820	970	1025	1078	1121	1130	1082
30	9.14	14.8	23.5	33.8	47.8	60.7	72.4	96.3	153	260	386	478	567	631	703	727	733	720	681
40	9.14	13.8	21.8	30.6	42.6	54.4	66.0	77.2	101	141	213	281	360	411	447	454	448	428	393
50	9.14	12.9	19.9	26.2	35.0	46.9	56.6	66.9	71.6	83.9	95.6	116	142	166	194	216	224	218	201
60	9.14	12.0	17.1	22.2	27.3	34.8	44.7	53.0	56.6	60.9	63.6	65.8	69.4	72.6	73.8	73.5	71.8	68.5	64.0
70	9.14	11.1	13.5	17.9	21.9	24.7	28.2	32.4	35.8	39.3	40.6	41.1	42.6	43.8	44.0	43.0	41.3	39.1	36.6
80	9.14	10.1	11.0	12.1	14.0	16.8	19.4	20.2	20.3	20.1	19.9	19.9	20.2	19.2	17.7	16.0	14.1	12.0	9.70
90	9.14	9.09	9.05	9.01	8.97	8.92	8.88	8.36	7.85	7.33	6.81	6.30	5.78	4.89	4.01	3.12	2.23	1.34	0.45
100	9.14	8.20	7.26	6.21	5.33	4.77	4.43	3.54	2.83	2.31	1.96	1.70	1.53	1.39	1.26	1.14	1.01	0.89	0.77
110	9.14	7.37	5.59	4.63	3.45	2.55	2.13	1.94	1.79	1.68	1.84	1.99	2.01	1.93	1.84	1.82	1.83	1.85	1.85
120	9.14	6.54	4.79	3.23	2.28	1.98	1.75	1.73	1.88	1.98	2.13	2.33	2.58	2.77	3.06	3.32	3.54	3.72	3.84
130	9.14	5.86	3.92	2.42	1.99	1.75	1.88	2.12	2.45	3.12	3.24	3.60	4.11	4.70	5.27	5.75	6.15	6.47	6.67
140	9.14	5.45	3.29	2.15	1.80	1.89	2.20	2.99	3.23	3.51	4.24	5.14	6.07	7.00	7.87	8.56	9.10	9.51	9.75
150	9.14	5.19	2.82	2.03	1.79	2.11	2.75	3.28	3.60	4.43	5.50	6.68	7.91	9.10	10.2	11.2	11.9	12.3	12.6
160	9.14	5.04	2.59	1.91	1.89	2.31	2.99	3.46	4.12	5.24	6.51	7.86	9.26	10.6	12.0	13.1	14.0	14.4	14.6
170	9.14	4.95	2.50	1.88	1.95	2.46	3.26	3.62	4.43	5.66	6.97	8.40	9.88	11.4	12.8	14.0	15.0	15.7	15.7
180	9.14	4.93	2.48	1.88	1.98	2.50	3.42	3.64	4.41	5.61	6.85	8.20	9.65	11.1	12.5	14.0	15.2	15.9	16.2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-05

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	15.7	14.9	13.7	12.3	10.9	9.33	7.91	6.50	5.37	5.10	4.77	4.57	3.85	3.42	2.59	2.37	3.36	6.08	
-170	13.0	12.7	11.9	10.9	9.68	8.40	7.20	6.01	4.99	4.80	4.39	4.20	3.66	3.31	2.56	2.41	3.43	6.08	
-160	10.3	9.92	9.43	8.73	7.84	6.92	6.00	5.10	4.47	4.24	3.92	3.76	3.42	3.15	2.49	2.48	3.56	6.08	
-150	7.54	7.33	6.93	6.48	5.94	5.32	4.69	4.18	3.83	3.52	3.45	3.34	3.19	2.90	2.45	2.59	3.76	6.08	
-140	5.13	5.02	4.80	4.49	4.20	3.88	3.59	3.27	2.94	2.93	3.10	2.94	3.02	2.65	2.46	2.77	4.01	6.08	
-130	3.26	3.21	3.11	2.96	2.80	2.64	2.51	2.47	2.60	2.61	2.68	2.90	2.70	2.56	2.66	3.16	4.34	6.08	
-120	1.86	1.85	1.81	1.77	1.70	1.76	1.86	1.97	2.24	2.52	2.66	2.71	2.65	2.76	3.03	3.71	4.73	6.08	
-110	1.01	1.08	1.16	1.25	1.38	1.58	1.84	1.99	2.20	2.39	2.67	3.00	3.17	3.43	3.89	4.41	5.17	6.08	
-100	0.64	0.78	0.93	1.07	1.22	1.39	1.74	2.14	2.59	3.18	3.86	4.54	4.57	4.71	4.96	5.29	5.65	6.08	
-90	0.95	1.56	2.18	2.79	3.41	4.02	4.47	4.92	5.38	5.83	6.28	6.73	6.62	6.51	6.40	6.30	6.19	6.08	
-80	15.3	17.4	19.2	20.5	21.4	22.9	23.2	23.5	23.1	19.6	16.2	14.4	12.5	10.8	9.17	7.76	6.65	6.08	
-70	52.0	52.9	53.3	53.7	54.3	51.3	45.8	41.4	40.0	40.1	38.5	33.3	25.8	18.5	12.9	9.80	7.46	6.08	
-60	99.1	100	100.0	98.8	95.4	86.9	75.1	67.2	59.3	53.1	48.8	41.5	37.3	28.5	19.4	12.1	8.31	6.08	
-50	352	327	287	238	189	143	111	94.2	79.6	67.8	59.2	50.2	42.5	34.6	25.1	15.0	9.06	6.08	
-40	896	829	746	653	527	396	247	151	99.1	82.8	69.3	58.6	48.3	38.4	30.5	17.8	9.69	6.08	
-30	1556	1443	1304	1111	883	696	511	347	163	101	79.8	65.7	53.3	42.9	31.1	19.8	10.3	6.08	
-20	2141	1969	1745	1493	1205	912	688	514	307	137	89.2	70.5	56.8	45.1	32.4	21.2	10.9	6.08	
-10	2253	2128	1948	1737	1433	1092	815	615	396	186	97.6	73.0	59.1	46.0	33.5	21.7	11.2	6.08	
0	1985	1900	1759	1628	1397	1089	801	631	418	190	96.0	72.2	59.1	45.6	33.2	21.3	11.2	6.08	
10	1549	1492	1399	1323	1185	970	755	582	381	192	104	74.2	59.3	46.0	33.3	21.3	11.1	6.08	
20	1090	1056	1034	994	904	764	602	477	300	153	97.9	72.3	57.2	45.1	32.0	20.5	10.7	6.08	
30	710	718	713	684	615	546	441	334	189	121	84.3	66.5	53.2	42.5	30.5	18.7	10.1	6.08	
40	430	453	457	438	385	318	235	156	115	89.1	70.7	58.9	48.4	37.6	28.6	16.3	9.41	6.08	
50	213	215	205	185	154	123	100	86.8	75.6	67.3	59.1	50.3	41.3	32.9	22.6	13.7	8.74	6.08	
60	67.6	70.0	71.0	70.9	70.5	67.8	63.3	58.1	53.9	50.7	46.9	39.6	34.0	24.7	16.2	11.3	7.98	6.08	
70	38.3	39.7	40.7	41.2	41.0	39.5	37.0	35.6	35.1	34.9	32.2	27.0	20.5	14.5	11.6	9.00	7.15	6.08	
80	11.3	12.8	14.0	15.1	15.9	16.4	16.1	15.8	14.7	13.6	12.6	11.7	10.3	9.08	8.04	7.11	6.36	6.08	
90	0.94	1.42	1.90	2.38	2.86	3.34	3.63	3.92	4.20	4.49	4.77	5.06	5.23	5.40	5.57	5.74	5.91	6.08	
100	0.88	0.99	1.10	1.20	1.32	1.44	1.56	1.71	1.89	2.17	2.51	2.89	3.21	3.63	4.14	4.74	5.38	6.08	
110	1.85	1.83	1.80	1.78	1.79	1.82	1.84	1.81	1.72	1.66	1.71	1.91	2.19	2.53	3.10	3.89	4.91	6.08	
120	3.75	3.61	3.42	3.18	2.93	2.75	2.58	2.35	2.16	2.02	1.86	1.80	1.85	2.09	2.45	3.23	4.49	6.08	
130	6.52	6.26	5.91	5.49	5.06	4.49	3.90	3.42	3.17	2.87	2.45	2.31	2.10	1.99	2.21	2.78	4.12	6.08	
140	9.53	9.16	8.65	8.03	7.22	6.34	5.85	6.47	4.07	3.47	3.35	2.91	2.61	2.23	2.10	2.49	3.84	6.08	
150	12.3	11.8	11.1	10.3	9.30	8.19	7.02	5.85	8.75	4.52	3.84	3.50	3.06	2.62	2.18	2.38	3.62	6.08	
160	14.2	13.7	12.9	12.0	10.8	9.62	8.15	6.70	5.51	7.05	4.38	3.92	3.45	2.98	2.31	2.35	3.47	6.08	
170	15.3	14.6	13.8	12.7	11.4	9.91	8.42	6.94	5.64	5.20	4.78	4.31	3.69	3.23	2.47	2.35	3.38	6.08	
180	15.7	14.9	13.7	12.3	10.9	9.33	7.91	6.50	5.37	5.10	4.77	4.57	3.85	3.42	2.59	2.37	3.36	6.08	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2022-01-05

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: