

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	970.1 cd per klm.
(Luminaire orientation as tested.)	-17.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	101.5V x 102.5H
	At 50% of I _{max}	52.7V x 66.0H
	At 90% of I _{max}	17.5V x 23.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	891.9 lumens per klm.
	To 50% of I _{max}	457.8 lumens per klm.
	To 90% of I _{max}	70.8 lumens per klm.

Upward LOR	1.1 %
Downward LOR	98.9 %

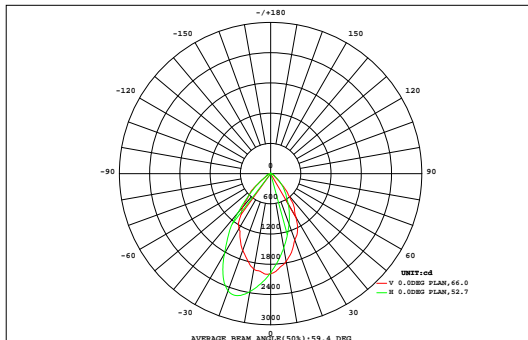
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2022-01-17

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:87.000V I:0.1800A P:15.660W PF:1.0000 Freq:0Hz Lamp Flux:2594.91x1 lm		
NAME: E330 -日亜-P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.1*0.9	Shielding Angle:



DATA OF LAMP		Eff:165.70lm/W	
MODEL	E330 -日亜-P	Imax(cd)	2517
NOMINAL POWER(W)	15.56	AVAILABILITY(%)	89.2
RATED VOLTAGE(V)	87	Avai. FLUX(lm)	2315
NOMINAL FLUX(lm)	2594.91	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2595
TEST VOLTAGE(V)	87	θ @50%(H,V)	66,53DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.09	0.17	0.24	0.27	0.26	0.25	0.23	0.20	0.21	0.24	0.26	0.27	0.26	0.21	0.12	0.04	0.01	3.37	0.00
90	0.03	0.09	0.17	0.24	0.27	0.26	0.25	0.23	0.20	0.21	0.24	0.26	0.27	0.26	0.21	0.12	0.04	0.01	3.37	0.00
80	0.03	0.13	0.28	0.42	0.57	0.76	0.91	0.97	0.96	0.96	0.97	0.91	0.75	0.58	0.45	0.25	0.08	0.01	10.0	0.00
70	0.04	0.17	0.36	0.75	1.27	1.56	1.82	2.00	2.01	2.00	1.99	1.80	1.54	1.17	0.65	0.36	0.12	0.01	19.6	0.00
60	0.04	0.19	0.55	1.32	1.80	2.53	3.45	4.18	4.36	4.37	4.19	3.42	2.48	1.77	1.23	0.44	0.16	0.02	36.5	0.00
50	0.05	0.22	0.82	1.52	2.70	5.26	8.10	9.81	10.1	10.0	9.83	8.07	5.04	2.66	1.44	0.65	0.19	0.02	76.5	52.1
40	0.05	0.27	0.93	1.86	5.06	10.3	14.6	17.2	17.5	17.4	16.8	14.3	9.84	4.60	1.74	0.74	0.20	0.02	133	122
30	0.05	0.32	1.00	2.39	8.11	15.9	22.3	26.1	27.5	27.2	25.5	21.8	15.1	6.59	2.07	0.80	0.22	0.03	203	194
20	0.05	0.35	1.05	3.04	11.0	21.1	29.4	36.1	39.4	38.8	35.0	28.2	18.4	7.85	2.22	0.82	0.23	0.03	273	265
10	0.05	0.36	1.06	3.45	13.0	25.1	36.5	46.8	52.5	52.0	44.0	32.7	19.8	7.98	2.04	0.80	0.22	0.03	339	331
0	0.05	0.35	1.04	3.23	12.8	25.7	39.6	53.8	63.7	63.7	51.6	35.9	20.2	7.73	1.86	0.78	0.22	0.03	382	375
-10	0.05	0.32	0.99	2.47	10.2	21.9	36.3	55.3	70.7	71.1	55.1	35.1	18.9	6.84	1.75	0.76	0.21	0.03	388	380
-20	0.05	0.28	0.91	1.81	6.43	16.0	29.3	46.5	61.9	61.9	46.2	28.5	14.8	4.84	1.54	0.70	0.20	0.02	322	313
-30	0.05	0.24	0.81	1.46	2.92	9.70	18.7	29.4	40.1	40.1	29.7	18.9	8.98	2.82	1.34	0.61	0.19	0.02	206	194
-40	0.05	0.20	0.63	1.24	1.94	4.01	9.15	14.4	18.4	18.6	14.7	9.24	4.15	1.96	1.19	0.46	0.17	0.02	101	82.4
-50	0.04	0.18	0.40	0.97	1.56	2.23	3.30	4.89	6.23	6.30	5.09	3.57	2.32	1.57	0.82	0.37	0.14	0.01	40.0	7.03
-60	0.04	0.15	0.30	0.51	0.95	1.44	1.92	2.37	2.66	2.68	2.41	1.97	1.44	0.89	0.54	0.31	0.09	0.01	20.7	0.00
-70	0.03	0.11	0.22	0.34	0.49	0.69	0.91	1.12	1.27	1.28	1.14	0.93	0.72	0.52	0.35	0.17	0.04	0.01	10.3	0.00
-80	0.02	0.07	0.10	0.15	0.19	0.22	0.23	0.22	0.22	0.22	0.25	0.27	0.25	0.18	0.10	0.05	0.02	0.01	2.79	0.00
-90	0.02	0.07	0.10	0.15	0.19	0.22	0.23	0.22	0.22	0.22	0.25	0.27	0.25	0.18	0.10	0.05	0.02	0.01	2.79	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	0.79	4.01	11.6	27.2	81.2	165	257	351	420	419	345	246	145	60.8	21.6	9.19	2.78	0.32	2567	---
Φ a	0.00	0.00	0.00	3.37	62.2	148	240	335	404	403	329	229	127	35.1	0.00	0.00	0.00	0.00	---	2315

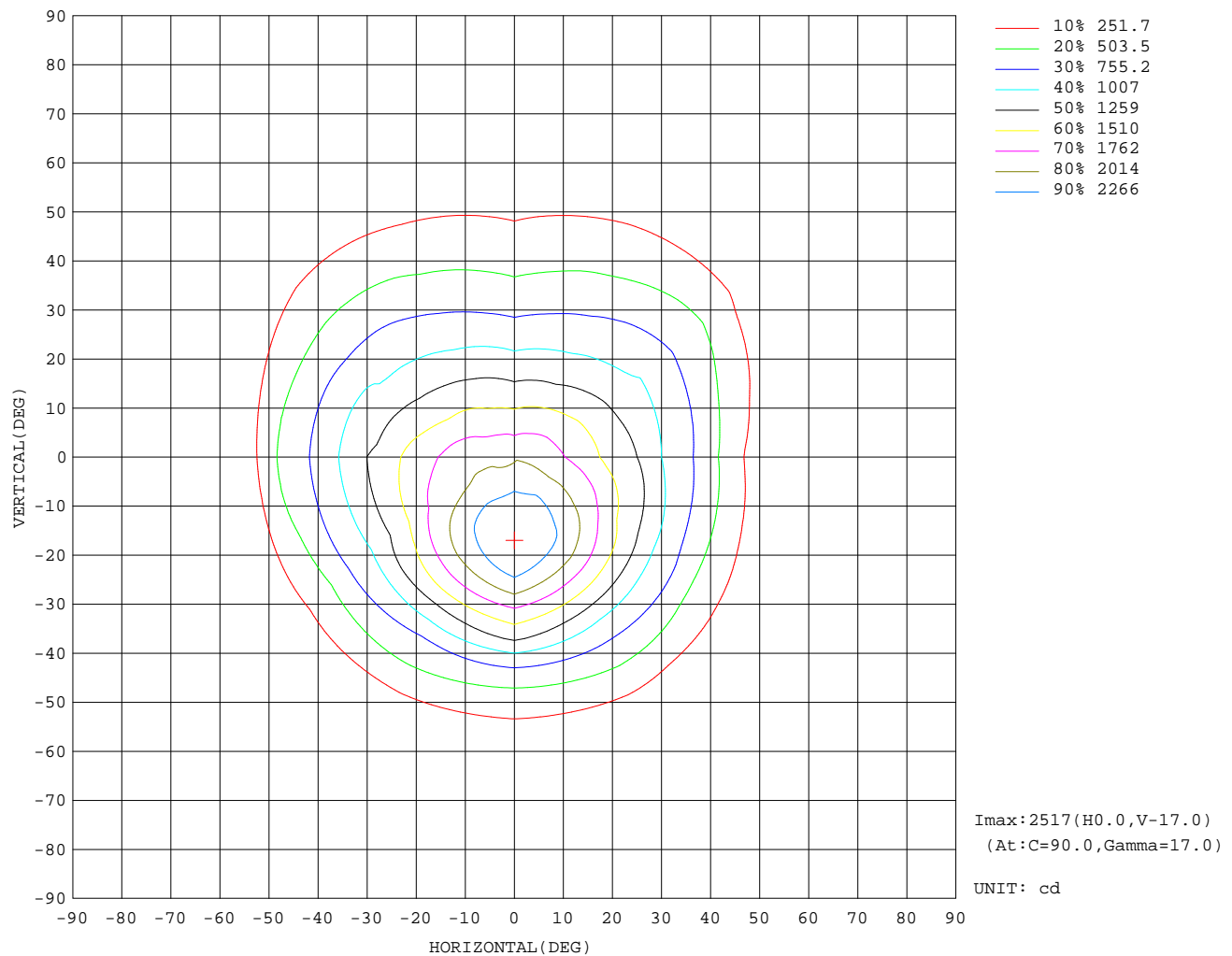
one-half-peak spread: U:20.5,D:32.6 , L:28.2,R:33.3

NEMA Beam Type: Type 6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2022-01-17

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:

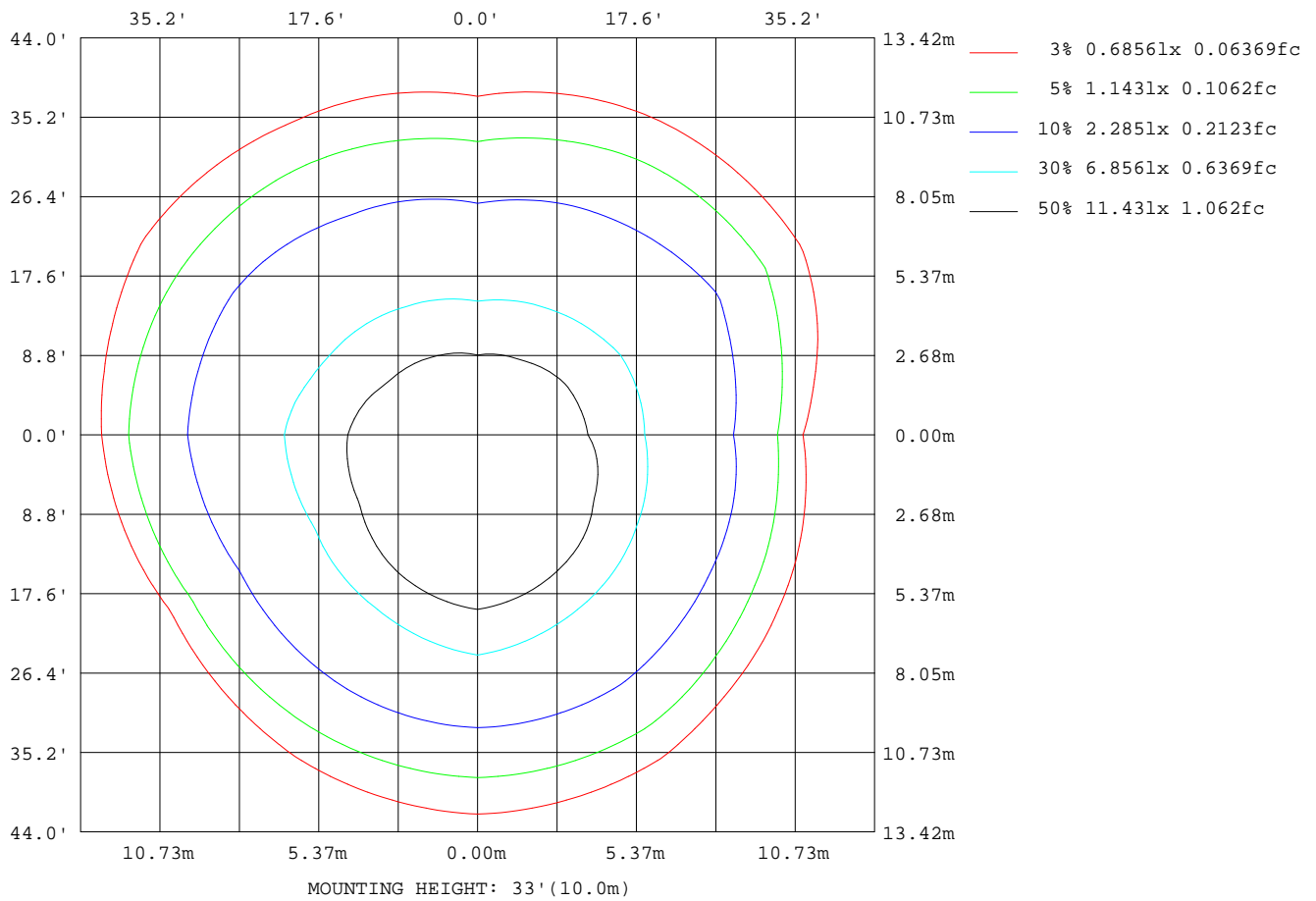
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-17

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:

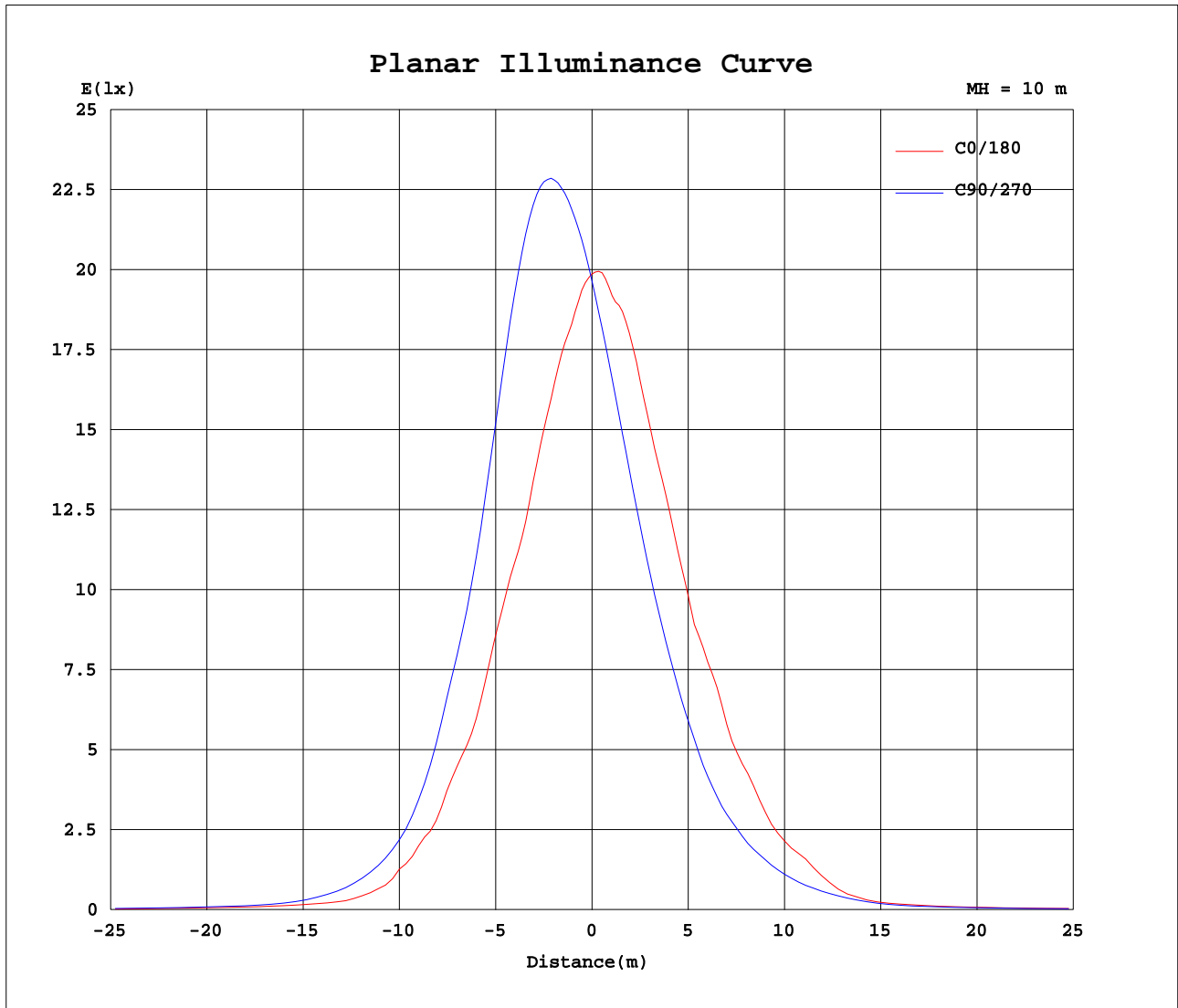
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-17

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:

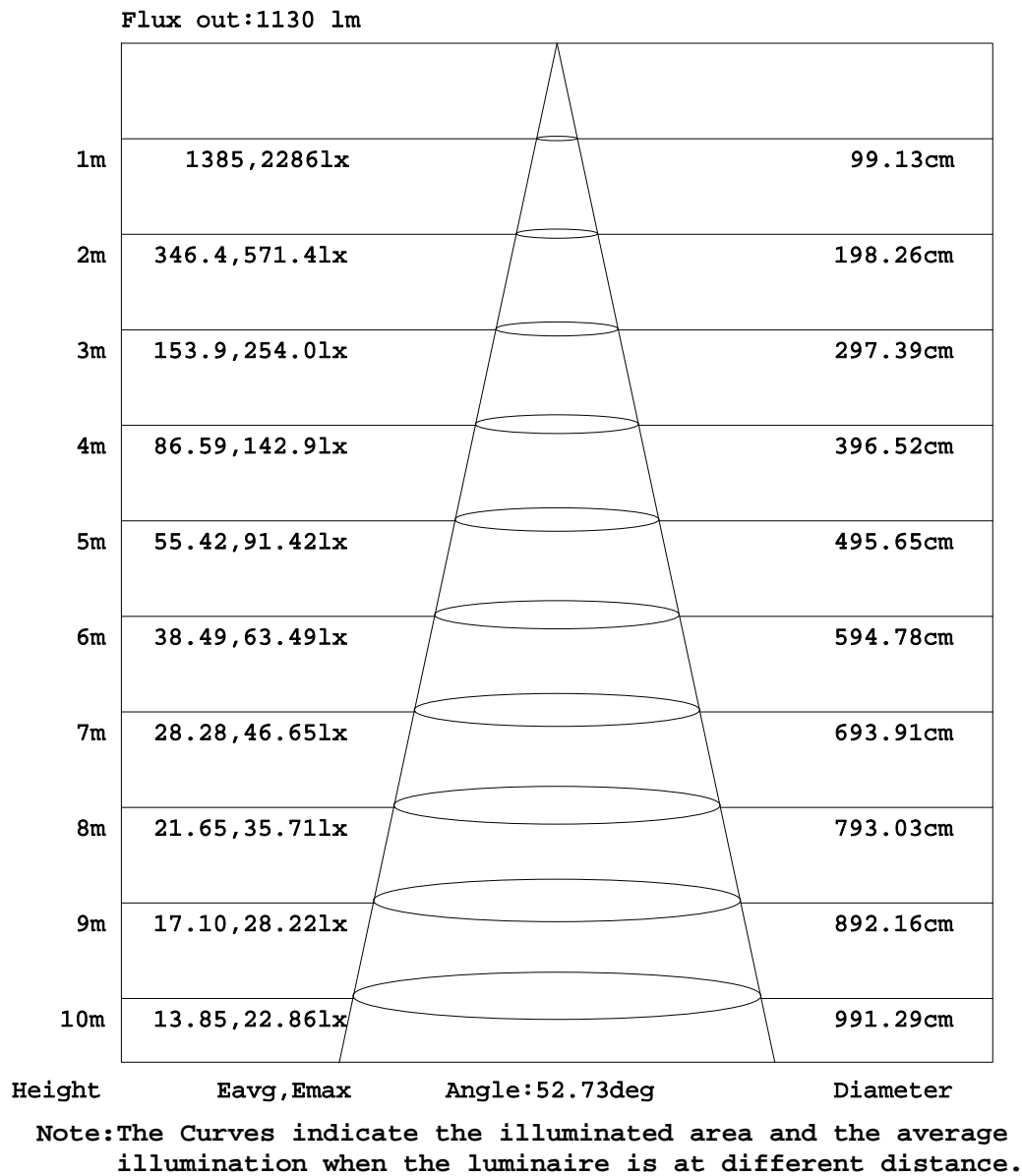
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-17

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: 2022-01-17

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	8.72	2.25	1.90	1.60	1.70	1.96	2.41	3.08	3.99	5.04	6.19	7.41	8.75	10.2	11.6	13.0	14.2	15.0	15.5
-170	8.72	2.26	1.88	1.61	1.69	1.92	2.36	2.97	3.80	4.73	5.72	6.74	7.80	8.89	9.87	10.7	11.4	11.9	12.0
-160	8.72	2.28	1.89	1.62	1.65	1.84	2.20	2.70	3.38	4.15	4.94	5.72	6.45	7.25	8.02	8.66	9.14	9.46	9.50
-150	8.72	2.33	1.92	1.64	1.60	1.75	1.98	2.37	2.86	3.43	4.02	4.59	5.14	5.66	6.11	6.50	6.85	7.02	7.03
-140	8.72	2.45	1.97	1.72	1.59	1.64	1.79	2.01	2.33	2.68	3.04	3.43	3.81	4.13	4.41	4.65	4.83	4.92	4.91
-130	8.72	2.72	2.06	1.80	1.62	1.58	1.63	1.74	1.83	1.98	2.18	2.38	2.59	2.77	2.94	3.08	3.16	3.21	3.19
-120	8.72	3.39	2.18	1.91	1.72	1.61	1.58	1.55	1.51	1.50	1.52	1.56	1.62	1.70	1.78	1.83	1.87	1.88	1.86
-110	8.72	4.41	2.55	2.13	1.92	1.74	1.60	1.51	1.42	1.31	1.22	1.12	1.03	1.01	1.03	1.03	1.03	1.02	1.01
-100	8.72	5.80	3.99	2.91	2.39	2.17	2.01	1.82	1.64	1.48	1.34	1.21	1.10	0.98	0.89	0.79	0.70	0.62	0.53
-90	8.72	7.74	6.77	5.79	4.82	3.85	2.87	2.98	3.09	3.20	3.31	3.42	3.53	3.02	2.51	1.99	1.48	0.97	0.45
-80	8.72	9.86	10.7	11.3	12.0	12.7	13.2	14.7	14.8	14.2	13.7	12.8	11.3	12.0	14.0	15.8	17.3	18.4	19.3
-70	8.72	11.9	14.3	16.4	18.5	20.6	22.2	24.7	28.4	29.9	33.2	39.7	41.8	46.4	52.3	57.8	62.6	66.5	69.6
-60	8.72	13.7	17.2	20.2	23.2	26.4	28.6	35.5	54.7	65.4	68.9	75.9	82.5	89.8	96.2	102	107	111	115
-50	8.72	15.2	19.6	23.5	28.0	35.0	57.6	70.2	70.0	78.2	90.6	104	131	184	237	284	327	358	374
-40	8.72	16.4	21.3	26.7	35.7	60.6	68.1	75.3	85.0	97.9	136	240	391	509	610	704	817	929	1007
-30	8.72	17.4	22.8	30.2	48.9	70.8	77.0	90.9	108	167	364	502	678	880	1073	1302	1527	1706	1832
-20	8.72	18.1	23.9	33.7	60.8	70.5	86.9	110	184	419	552	787	936	1226	1490	1805	2096	2306	2473
-10	8.72	18.6	24.6	37.9	65.9	75.8	96.7	137	321	536	755	947	1198	1378	1643	1877	2104	2286	2378
0	8.72	18.9	24.9	40.1	67.5	78.3	103	160	403	608	861	1053	1261	1434	1623	1778	1924	1969	1987
10	8.72	18.8	24.9	39.3	67.7	78.7	103	158	360	555	754	930	1082	1197	1314	1396	1490	1508	1498
20	8.72	18.4	24.4	35.9	67.0	76.5	97.3	138	267	450	608	738	880	934	1004	1058	1095	1105	1069
30	8.72	17.9	23.6	32.3	61.3	73.8	88.6	114	167	314	413	525	611	666	713	736	742	730	695
40	8.72	17.0	22.4	28.5	43.9	73.0	79.3	94.3	117	159	233	319	364	401	423	453	457	445	420
50	8.72	16.0	21.1	25.5	32.1	51.0	78.3	78.2	86.7	99.1	112	133	158	183	210	228	236	232	219
60	8.72	14.6	18.8	22.6	26.6	31.1	41.4	65.3	76.1	68.6	74.2	79.4	84.7	86.5	88.5	89.3	88.8	86.2	81.9
70	8.72	13.0	16.2	18.9	22.1	24.5	27.8	29.7	33.1	37.0	43.1	46.7	46.0	47.2	48.3	48.7	48.6	48.0	46.9
80	8.72	11.0	13.0	14.6	16.0	17.3	18.4	19.2	18.5	17.0	15.8	14.8	14.3	15.2	16.1	16.4	16.2	15.5	14.6
90	8.72	8.64	8.56	8.48	8.40	8.33	8.25	7.76	7.26	6.77	6.28	5.79	5.29	4.49	3.68	2.88	2.07	1.27	0.46
100	8.72	6.41	4.64	3.37	2.74	2.56	2.49	2.29	2.10	1.93	1.77	1.63	1.51	1.36	1.24	1.12	1.01	0.90	0.79
110	8.72	4.72	2.71	2.36	2.20	2.05	1.90	1.75	1.65	1.59	1.56	1.54	1.55	1.61	1.66	1.73	1.80	1.86	1.89
120	8.72	3.53	2.32	2.10	1.90	1.74	1.71	1.72	1.75	1.83	2.00	2.22	2.49	2.81	3.12	3.41	3.66	3.86	4.01
130	8.72	2.79	2.17	1.92	1.71	1.68	1.75	1.87	2.11	2.44	2.92	3.50	4.13	4.81	5.40	5.90	6.32	6.64	6.85
140	8.72	2.50	2.06	1.78	1.65	1.73	1.90	2.18	2.63	3.28	4.10	5.03	6.03	7.05	8.02	8.68	9.20	9.58	9.79
150	8.72	2.37	1.98	1.68	1.66	1.80	2.11	2.58	3.27	4.15	5.18	6.43	7.71	9.00	10.2	11.2	11.8	12.1	12.2
160	8.72	2.31	1.93	1.65	1.69	1.90	2.30	2.92	3.80	4.85	6.08	7.42	8.85	10.3	11.6	12.8	13.6	13.9	13.9
170	8.72	2.27	1.90	1.62	1.71	1.96	2.42	3.11	4.05	5.17	6.43	7.80	9.23	10.7	12.2	13.4	14.3	14.9	14.8
180	8.72	2.25	1.90	1.60	1.70	1.96	2.41	3.08	3.99	5.04	6.19	7.41	8.75	10.2	11.6	13.0	14.2	15.0	15.4

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2022-01-17

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	15.2	14.5	13.5	12.3	10.9	9.40	7.96	6.70	5.54	4.48	3.50	2.66	2.06	1.72	1.64	1.63	1.80	2.38	
-170	12.2	12.1	11.6	10.7	9.59	8.37	7.19	6.13	5.11	4.17	3.30	2.54	2.00	1.70	1.63	1.62	1.81	2.38	
-160	9.57	9.35	9.03	8.47	7.70	6.83	5.99	5.20	4.41	3.65	2.93	2.31	1.89	1.66	1.62	1.62	1.83	2.38	
-150	7.08	6.95	6.64	6.29	5.82	5.29	4.73	4.14	3.57	3.01	2.47	2.04	1.76	1.62	1.61	1.63	1.87	2.38	
-140	4.93	4.85	4.68	4.44	4.16	3.84	3.48	3.12	2.74	2.37	2.03	1.78	1.64	1.60	1.60	1.66	1.93	2.38	
-130	3.20	3.16	3.06	2.93	2.75	2.59	2.40	2.19	1.99	1.83	1.70	1.61	1.59	1.59	1.60	1.72	2.01	2.38	
-120	1.88	1.87	1.84	1.78	1.69	1.64	1.57	1.52	1.49	1.50	1.55	1.57	1.58	1.59	1.65	1.81	2.10	2.38	
-110	1.03	1.04	1.05	1.05	1.06	1.08	1.16	1.24	1.34	1.42	1.51	1.56	1.59	1.68	1.81	2.01	2.21	2.38	
-100	0.63	0.73	0.83	0.94	1.05	1.19	1.28	1.37	1.45	1.57	1.70	1.84	1.94	2.07	2.16	2.24	2.32	2.38	
-90	0.94	1.42	1.90	2.39	2.87	3.35	3.25	3.15	3.05	2.95	2.85	2.75	2.68	2.62	2.56	2.50	2.44	2.38	
-80	18.2	16.9	15.4	14.0	12.6	12.2	13.7	15.8	17.1	15.2	12.3	9.30	6.54	4.53	3.37	2.84	2.61	2.38	
-70	67.1	64.0	60.3	55.1	46.9	43.2	39.0	36.5	35.8	32.9	24.5	25.5	20.1	13.4	7.06	3.76	2.74	2.38	
-60	113	110	106	100	92.0	84.1	76.2	73.1	60.2	41.3	30.3	31.0	27.0	22.8	14.6	5.89	2.95	2.38	
-50	360	330	290	244	195	146	110	92.7	79.3	69.5	65.4	37.5	28.6	27.2	20.8	9.97	3.22	2.38	
-40	940	843	739	634	510	366	225	144	97.5	81.4	70.3	65.1	36.7	27.8	22.6	13.8	3.55	2.38	
-30	1701	1520	1304	1061	857	681	472	291	154	98.2	79.2	67.5	51.3	30.6	25.7	16.8	4.02	2.38	
-20	2321	2115	1801	1486	1187	888	704	447	259	132	89.8	76.4	58.5	34.3	25.8	18.4	4.39	2.38	
-10	2308	2120	1882	1570	1332	1044	806	581	335	161	98.4	75.1	60.9	36.1	25.7	19.0	4.55	2.38	
0	1890	1772	1611	1401	1260	1006	816	547	358	166	99.8	73.2	60.7	34.4	25.5	19.0	4.51	2.38	
10	1518	1464	1372	1247	1106	958	798	571	366	197	117	81.6	64.1	40.4	26.1	19.4	4.84	2.38	
20	1083	1058	1025	970	937	858	670	525	321	190	119	84.9	61.1	44.2	25.7	18.8	4.95	2.38	
30	724	733	719	693	648	582	521	385	252	157	103	78.9	55.3	39.8	25.3	17.2	4.82	2.38	
40	444	454	446	423	404	354	289	221	160	114	87.1	69.1	60.7	31.3	25.4	14.9	4.56	2.38	
50	232	236	230	215	189	156	130	111	93.8	87.0	74.3	70.8	36.5	27.2	22.8	12.4	4.35	2.38	
60	86.1	88.9	89.9	89.0	85.0	80.4	76.6	72.8	69.6	74.8	50.3	33.1	29.7	26.7	17.4	8.74	4.01	2.38	
70	48.3	49.1	49.3	49.3	50.0	46.4	42.2	38.7	33.5	31.6	33.2	31.8	22.3	19.2	11.7	6.57	3.59	2.38	
80	15.6	16.3	16.7	16.6	16.0	15.0	14.8	16.0	18.5	19.7	19.9	19.0	14.4	10.4	7.10	4.64	3.16	2.38	
90	1.29	2.11	2.94	3.76	4.59	5.41	5.27	5.12	4.97	4.82	4.68	4.53	4.17	3.81	3.45	3.10	2.74	2.38	
100	0.90	1.02	1.14	1.28	1.43	1.59	1.72	1.87	2.04	2.19	2.40	2.62	2.57	2.56	2.54	2.52	2.50	2.38	
110	1.85	1.78	1.70	1.62	1.55	1.51	1.55	1.61	1.69	1.78	1.90	1.99	2.02	2.09	2.18	2.25	2.34	2.38	
120	3.84	3.61	3.34	3.03	2.71	2.40	2.16	1.97	1.86	1.81	1.88	1.88	1.85	1.85	1.91	2.04	2.21	2.38	
130	6.59	6.22	5.76	5.24	4.64	4.01	3.44	2.89	2.42	2.11	1.93	1.83	1.82	1.78	1.78	1.89	2.11	2.38	
140	9.47	9.00	8.40	7.69	6.81	5.90	4.97	4.12	3.31	2.68	2.22	1.94	1.79	1.76	1.73	1.79	2.01	2.38	
150	11.9	11.3	10.7	9.76	8.70	7.56	6.37	5.23	4.28	3.40	2.70	2.16	1.87	1.73	1.70	1.72	1.94	2.38	
160	13.5	12.9	12.2	11.2	10.0	8.69	7.44	6.23	5.07	4.05	3.13	2.41	1.96	1.72	1.68	1.68	1.88	2.38	
170	14.3	13.7	12.9	12.0	10.8	9.41	8.03	6.75	5.51	4.42	3.42	2.60	2.04	1.73	1.66	1.65	1.83	2.38	
180	15.2	14.5	13.5	12.3	10.9	9.40	7.96	6.70	5.54	4.48	3.50	2.66	2.06	1.72	1.64	1.63	1.80	2.38	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2022-01-17

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: