

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	531.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-4.0 degrees horizontal

Beam Spread	At 10% of Imax	103.0V x 103.2H
	At 50% of Imax	90.4V x 91.2H
	At 90% of Imax	65.3V x 66.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	933.9 lumens per klm.
	To 50% of Imax	859.9 lumens per klm.
	To 90% of Imax	516.6 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

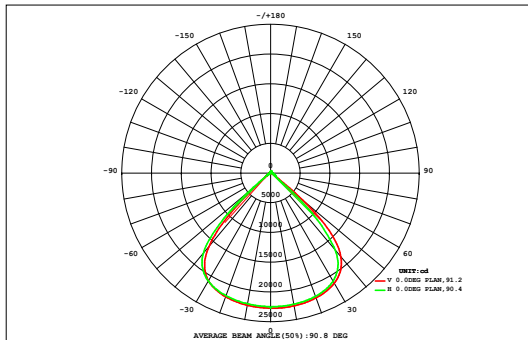
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:148.86lm/W	
MODEL		Imax(cd)	22725
NOMINAL POWER(W)	300	AVAILABILITY(%)	93.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	39978
NOMINAL FLUX(lm)	42769.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	42769
TEST VOLTAGE(V)	220	θ @50% (H,V)	91,90DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.18	0.56	0.97	1.40	1.84	2.24	2.55	2.75	2.81	2.84	2.84	2.71	2.46	2.12	1.73	1.30	0.81	0.28	32.4	0.00
90	0.18	0.56	0.97	1.40	1.84	2.24	2.55	2.75	2.81	2.84	2.84	2.71	2.46	2.12	1.73	1.30	0.81	0.28	32.4	0.00
80	0.19	0.71	1.56	2.65	3.89	5.11	6.17	6.94	7.29	7.33	7.03	6.27	5.17	3.88	2.65	1.64	0.89	0.29	69.7	0.00
70	0.21	1.01	2.40	4.32	6.56	9.09	11.6	13.6	14.7	14.8	14.1	12.2	9.72	7.01	4.47	2.39	1.05	0.30	129	0.00
60	0.24	1.30	3.27	6.09	10.0	15.1	22.0	33.3	43.4	41.4	30.6	21.9	16.2	11.1	6.70	3.41	1.30	0.31	268	39.6
50	0.28	1.59	4.08	8.24	15.4	46.9	157	283	352	341	250	116	33.6	16.3	9.32	4.49	1.59	0.33	1640	1504
40	0.31	1.83	4.92	10.8	43.9	229	438	550	594	590	536	397	160	28.1	12.1	5.58	1.89	0.35	3604	3520
30	0.33	2.03	5.69	15.2	142	404	552	623	652	651	618	537	350	77.4	15.0	6.58	2.15	0.36	4653	4586
	0.35	2.17	6.30	26.1	241	476	588	648	673	672	644	580	443	153	18.1	7.36	2.33	0.38	5180	5123
	0.36	2.25	6.66	38.5	291	500	602	659	683	681	655	594	474	198	20.5	7.82	2.44	0.39	5416	5361
	0.36	2.26	6.71	38.5	290	500	602	659	684	682	656	594	473	196	20.5	7.87	2.46	0.39	5416	5360
	0.35	2.21	6.45	26.3	237	473	589	649	675	674	646	580	441	149	18.2	7.51	2.37	0.38	5177	5118
	0.34	2.08	5.92	15.7	137	396	549	623	655	653	618	534	341	73.4	15.5	6.81	2.20	0.37	4630	4561
-30	0.32	1.90	5.20	11.5	43.5	218	423	539	587	583	525	382	149	27.7	12.8	5.86	1.96	0.35	3518	3427
-40	0.29	1.66	4.38	9.00	16.7	46.2	145	259	320	309	226	104	32.9	17.6	10.1	4.80	1.66	0.33	1510	1358
-50	0.25	1.37	3.54	6.80	11.4	17.3	24.9	35.1	42.4	40.4	32.3	24.8	18.4	12.5	7.42	3.69	1.37	0.32	284	19.3
-60	0.22	1.08	2.63	4.89	7.69	10.9	14.3	17.1	18.9	19.1	17.6	14.9	11.6	8.14	5.04	2.62	1.12	0.31	158	0.00
-70	0.20	0.78	1.76	3.07	4.63	6.30	7.89	9.19	10.0	10.1	9.29	7.99	6.36	4.63	3.07	1.84	0.96	0.30	88.3	0.00
-80	0.19	0.62	1.14	1.74	2.40	3.04	3.61	4.07	4.37	4.40	4.17	3.77	3.26	2.67	2.07	1.47	0.87	0.29	44.2	0.00
-90	0.18	0.56	0.97	1.40	1.84	2.24	2.55	2.75	2.81	2.84	2.84	2.71	2.46	2.12	1.73	1.30	0.81	0.28	32.4	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.99	27.4	73.6	231	1505	3358	4738	5616	6017	5978	5493	4513	2970	989	185	83.0	29.4	6.00	41818	---
Φ a	0.00	0.00	0.00	72.1	1377	3243	4624	5501	5900	5860	5371	4386	2833	812	0.00	0.00	0.00	0.00	---	39978

one-half-peak spread: U:40.9,D:45.7 , L:43.4,R:47.9

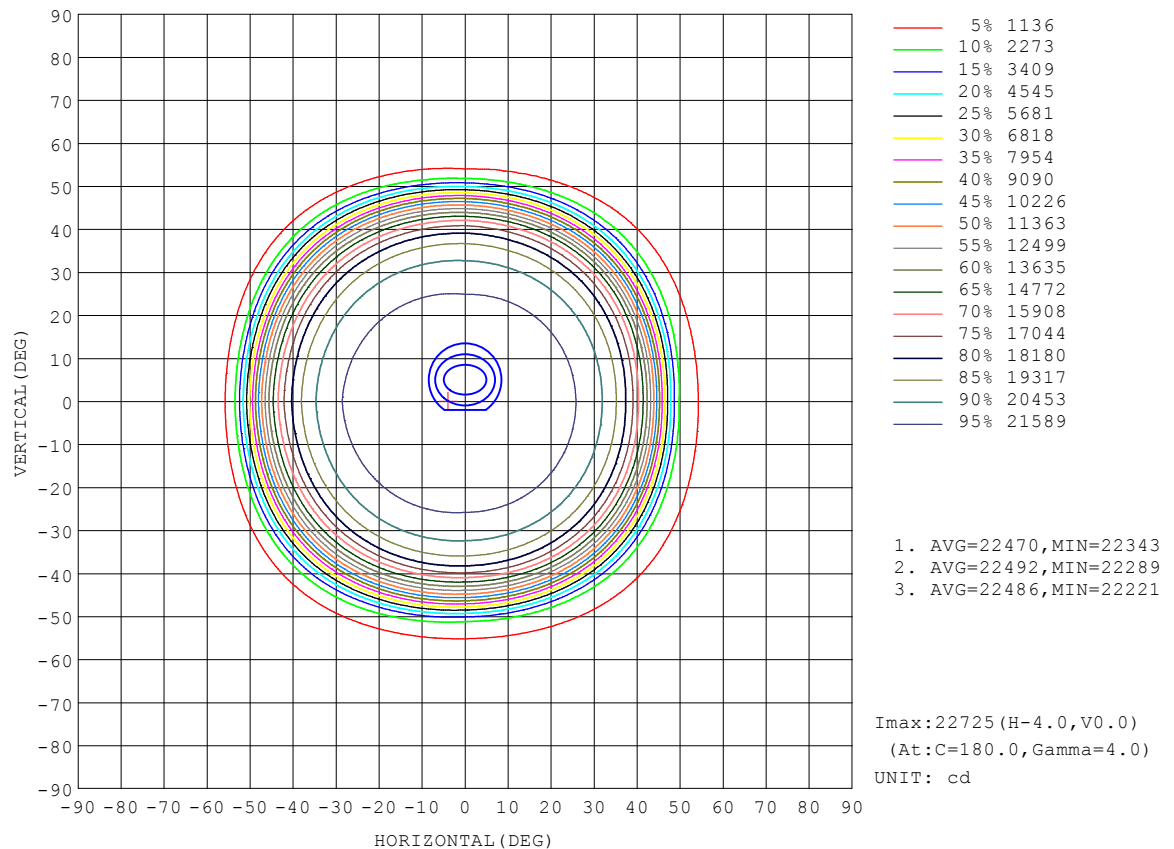
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

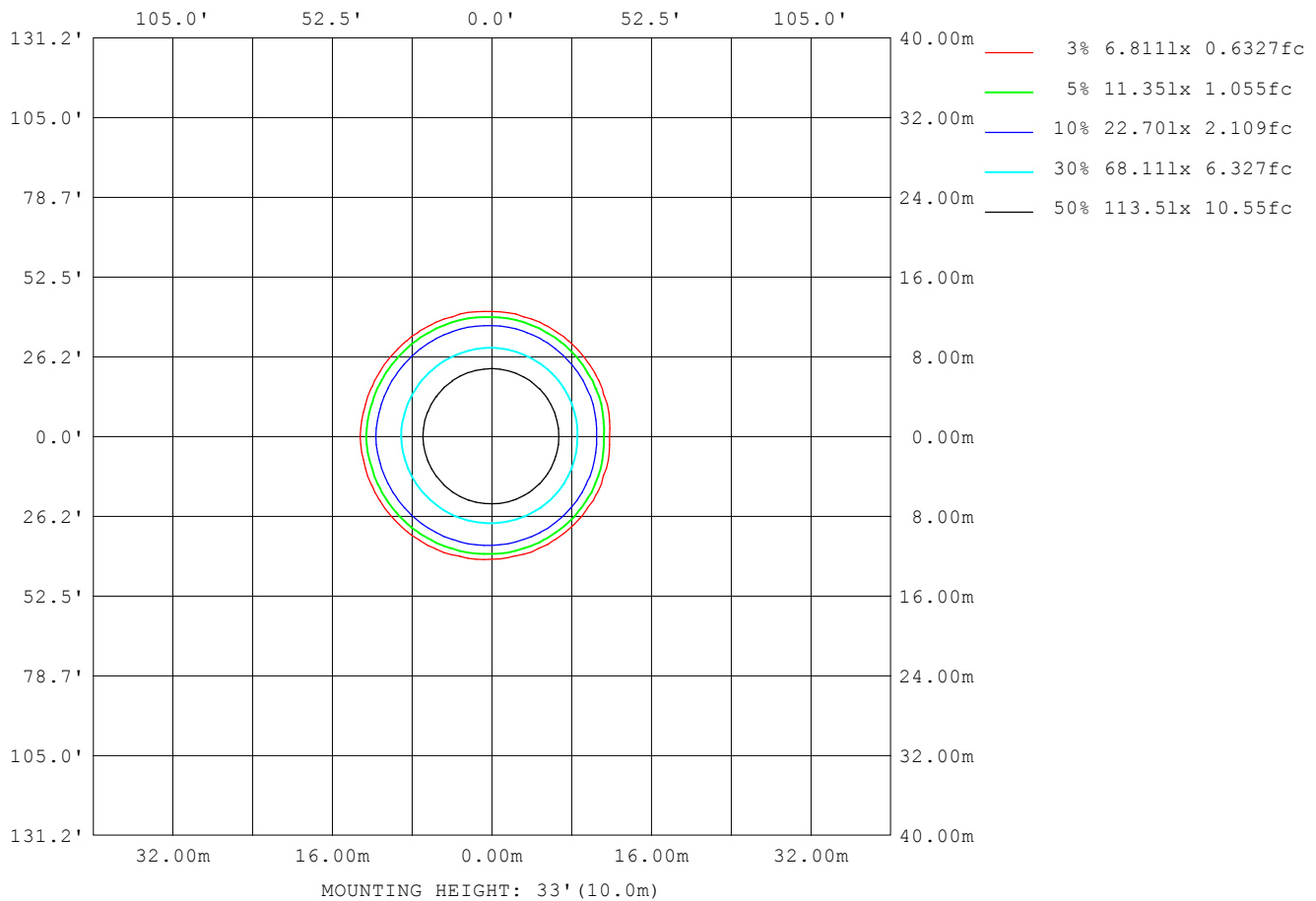


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

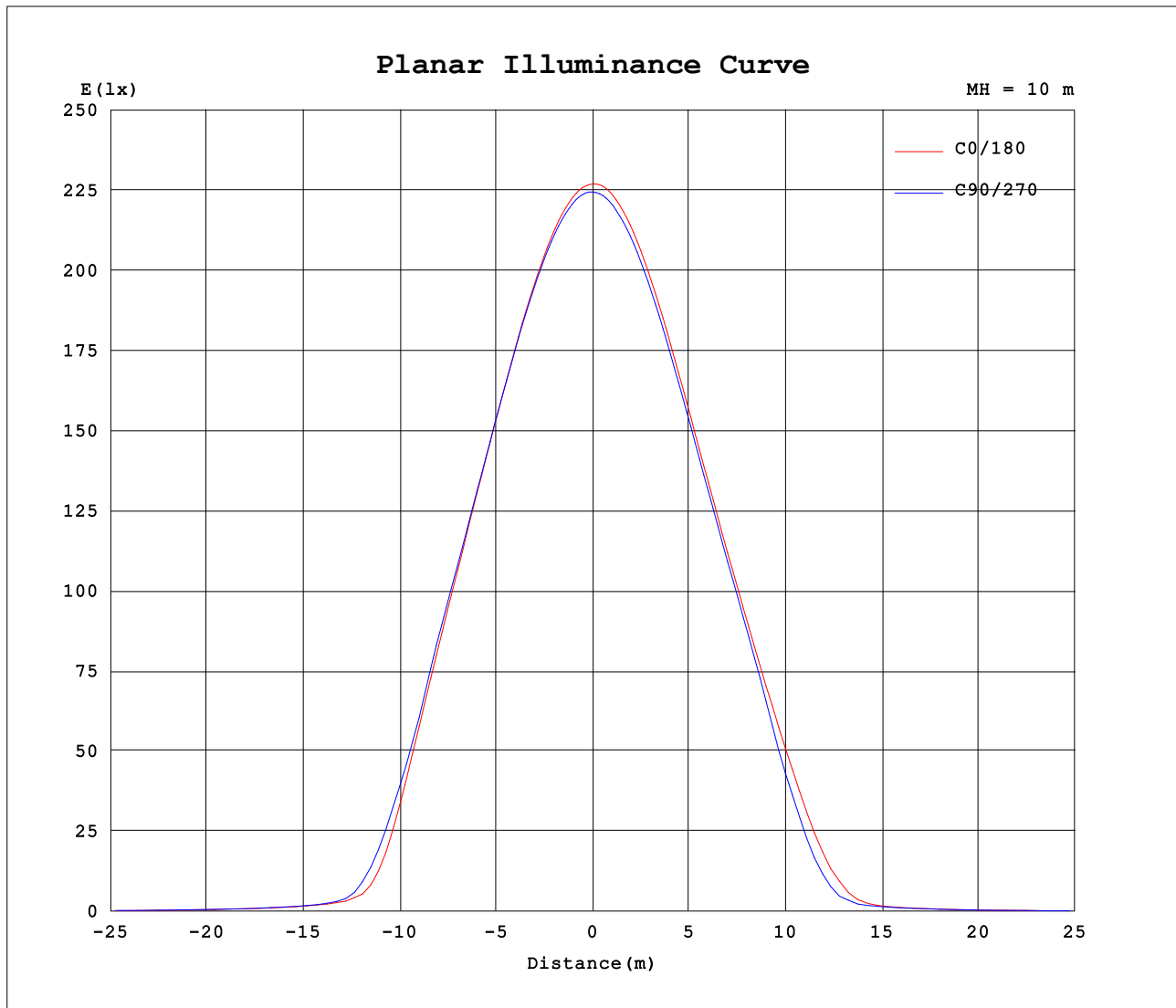
Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

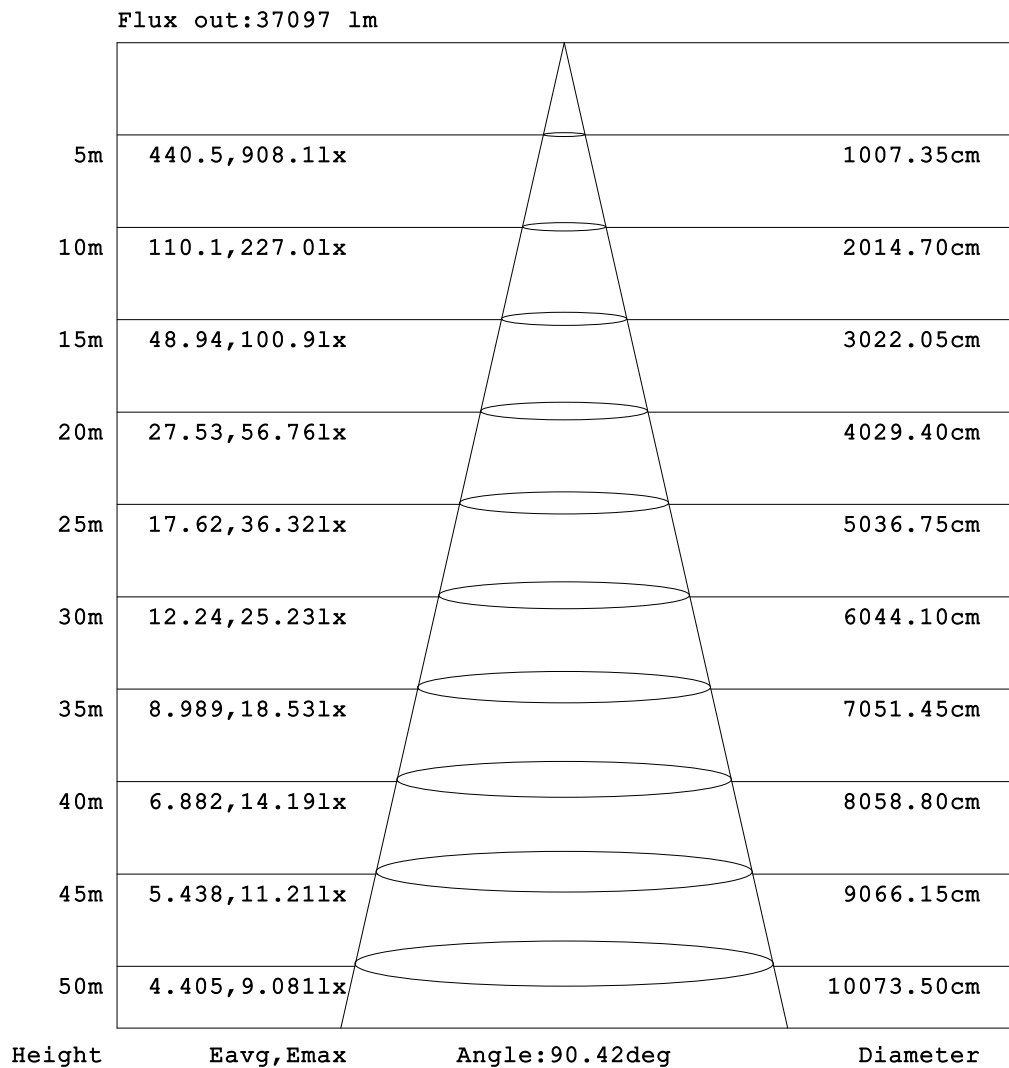


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	6.83	7.20	8.13	9.29	10.6	11.9	13.1	14.4	15.9	18.0	20.0	21.7	23.3	25.1	27.1	29.6	31.6	32.6	32.9
-170	6.83	7.22	8.12	9.24	10.5	11.8	13.0	14.2	15.7	17.6	19.5	21.2	22.8	24.5	26.2	28.0	29.6	30.4	30.4
-160	6.83	7.21	8.04	9.08	10.3	11.5	12.6	13.8	15.0	16.6	18.3	19.9	21.3	22.6	24.0	25.3	26.3	26.9	27.2
-150	6.83	7.18	7.92	8.83	9.86	11.0	12.0	13.1	14.2	15.3	16.6	18.0	19.2	20.2	21.0	21.8	22.5	22.9	23.0
-140	6.83	7.13	7.76	8.50	9.36	10.3	11.2	12.2	13.1	13.9	14.8	15.8	16.7	17.5	18.2	18.7	19.0	19.2	19.2
-130	6.83	7.08	7.60	8.17	8.80	9.51	10.3	11.0	11.7	12.4	13.1	13.7	14.3	14.9	15.3	15.8	16.1	16.3	16.4
-120	6.83	7.02	7.44	7.85	8.27	8.73	9.23	9.75	10.3	10.8	11.3	11.7	12.1	12.4	12.7	13.0	13.2	13.3	13.3
-110	6.83	6.98	7.29	7.59	7.87	8.13	8.38	8.63	8.90	9.16	9.43	9.68	9.92	10.1	10.3	10.4	10.6	10.6	10.6
-100	6.83	6.99	7.19	7.41	7.63	7.83	8.00	8.15	8.28	8.39	8.49	8.57	8.65	8.71	8.78	8.83	8.88	8.93	8.98
-90	6.83	7.06	7.28	7.51	7.73	7.96	8.19	8.41	8.64	8.87	9.09	9.32	9.55	9.77	10.0	10.2	10.5	10.7	10.9
-80	6.83	7.22	7.75	8.44	9.33	10.4	11.8	13.0	14.2	15.3	16.4	17.3	18.2	19.1	19.8	20.4	20.9	21.3	21.5
-70	6.83	7.50	8.88	11.4	14.2	16.7	19.5	22.5	25.5	28.4	31.2	33.9	36.5	38.9	41.1	43.1	44.8	46.0	46.8
-60	6.83	7.91	11.1	15.2	19.1	23.9	28.4	33.0	38.0	43.5	49.3	55.1	60.7	66.0	71.1	75.4	78.8	81.2	82.6
-50	6.83	8.43	13.5	18.5	24.6	30.4	36.8	44.6	53.2	62.7	73.4	86.2	105	137	189	255	317	358	355
-40	6.83	9.05	15.3	22.1	28.9	36.4	46.1	57.2	71.3	93.8	157	384	758	1104	1344	1506	1618	1679	1692
-30	6.83	9.77	16.8	24.7	32.4	42.4	54.7	71.1	106	312	831	1331	1657	1866	1977	2041	2078	2096	2099
-20	6.83	10.4	17.9	26.5	35.2	47.1	62.6	90.9	267	895	1473	1816	1996	2093	2150	2182	2200	2207	2206
-10	6.83	10.7	18.7	27.5	37.0	49.8	67.9	117	554	1299	1753	1987	2106	2173	2212	2233	2244	2245	2239
0	6.83	10.8	18.9	27.7	37.3	50.3	69.2	132	703	1440	1839	2037	2139	2198	2233	2254	2266	2272	2270
10	6.83	10.7	18.6	27.2	36.5	49.0	66.8	116	561	1311	1766	1992	2107	2171	2208	2229	2239	2239	2231
20	6.83	10.3	17.7	25.9	34.2	45.6	60.5	88.6	270	918	1500	1834	2004	2094	2146	2176	2192	2197	2194
30	6.83	9.62	16.4	24.0	31.1	40.4	51.9	67.6	102	320	869	1375	1707	1889	1991	2048	2080	2094	2096
40	6.83	8.87	14.9	21.3	27.4	34.2	42.9	53.0	66.0	88.2	151	414	816	1175	1419	1596	1704	1750	1762
50	6.83	8.21	13.0	17.6	23.2	28.1	33.6	40.3	47.8	56.0	65.5	77.6	96.4	128	202	290	382	439	445
60	6.83	7.67	10.5	14.3	17.8	22.1	25.7	29.2	33.2	37.5	42.2	46.6	50.9	55.1	58.8	62.0	64.3	65.6	65.9
70	6.83	7.25	8.34	10.5	13.0	15.1	17.3	19.9	22.2	24.1	25.9	27.6	29.2	30.7	32.0	33.0	33.8	34.1	34.1
80	6.83	6.97	7.23	7.63	8.20	8.97	9.92	10.9	11.7	12.5	13.1	13.6	14.0	14.3	14.6	14.8	14.9	14.8	14.6
90	6.83	6.82	6.81	6.81	6.80	6.79	6.78	6.77	6.77	6.76	6.75	6.74	6.74	6.73	6.72	6.71	6.71	6.70	6.69
100	6.83	6.77	6.80	6.89	7.00	7.12	7.25	7.39	7.52	7.64	7.77	7.89	8.00	8.10	8.18	8.25	8.31	8.35	8.37
110	6.83	6.80	6.99	7.24	7.53	7.84	8.17	8.51	8.85	9.17	9.48	9.77	10.0	10.3	10.5	10.6	10.7	10.8	10.8
120	6.83	6.87	7.22	7.65	8.15	8.68	9.24	9.80	10.4	10.9	11.4	11.8	12.2	12.5	12.8	13.0	13.2	13.3	13.3
130	6.83	6.95	7.45	8.07	8.78	9.54	10.3	11.1	11.8	12.5	13.1	13.6	14.2	14.7	15.1	15.5	15.9	16.1	16.2
140	6.83	7.03	7.67	8.47	9.38	10.3	11.3	12.2	13.0	13.9	14.7	15.6	16.7	17.7	18.6	19.3	19.7	20.0	20.1
150	6.83	7.11	7.86	8.82	9.88	11.0	12.1	13.1	14.1	15.2	16.6	18.2	19.5	20.6	21.5	22.2	22.8	23.2	23.3
160	6.83	7.16	8.01	9.08	10.3	11.5	12.7	13.8	15.0	16.6	18.5	20.1	21.5	22.8	24.0	25.2	26.2	26.9	27.2
170	6.83	7.19	8.10	9.24	10.5	11.8	13.0	14.2	15.7	17.6	19.6	21.3	22.8	24.5	26.2	28.1	30.0	31.0	31.2
180	6.83	7.20	8.13	9.29	10.6	11.9	13.1	14.4	15.9	18.0	20.0	21.7	23.3	25.1	27.1	29.6	31.6	32.6	32.6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.69V I:1.3340A P:287.30W PF:0.9848 Freq:49.99Hz Lamp Flux:42769.1x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	32.2	31.1	29.6	28.0	26.1	24.1	21.8	19.8	18.1	16.8	15.4	13.9	12.4	11.1	9.99	9.22	9.46	10.6	
-170	30.3	29.5	28.4	26.9	25.2	23.2	21.1	19.4	17.9	16.6	15.1	13.7	12.3	11.0	9.93	9.20	9.47	10.6	
-160	27.1	26.6	25.7	24.4	22.9	21.3	19.7	18.4	17.2	15.9	14.6	13.2	12.0	10.8	9.77	9.18	9.52	10.6	
-150	23.0	22.6	21.9	21.1	20.1	19.1	18.1	17.1	16.0	14.9	13.7	12.5	11.4	10.4	9.55	9.16	9.59	10.6	
-140	19.2	19.0	18.7	18.2	17.7	17.0	16.3	15.4	14.5	13.6	12.6	11.7	10.8	9.95	9.33	9.18	9.68	10.6	
-130	16.3	16.2	16.0	15.6	15.2	14.7	14.1	13.5	12.8	12.1	11.4	10.7	10.0	9.47	9.17	9.28	9.81	10.6	
-120	13.3	13.3	13.1	12.9	12.6	12.3	11.9	11.5	11.1	10.6	10.2	9.73	9.37	9.17	9.19	9.48	9.97	10.6	
-110	10.6	10.6	10.6	10.4	10.3	10.1	9.95	9.75	9.54	9.37	9.22	9.14	9.15	9.25	9.47	9.78	10.2	10.6	
-100	8.99	9.01	9.03	9.05	9.06	9.09	9.13	9.18	9.23	9.31	9.41	9.52	9.66	9.81	9.98	10.2	10.4	10.6	
-90	10.9	10.9	10.9	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	
-80	21.2	20.9	20.4	19.8	19.1	18.3	17.4	16.4	15.3	14.4	13.6	12.9	12.4	11.9	11.5	11.2	10.9	10.6	
-70	46.3	45.4	44.0	42.3	40.2	37.8	35.3	32.4	29.2	25.5	22.0	19.4	16.8	14.3	12.8	11.8	11.1	10.6	
-60	81.9	80.1	77.4	73.8	69.5	64.5	59.1	53.1	46.9	40.9	35.3	29.7	23.6	19.0	15.2	12.6	11.4	10.6	
-50	324	259	190	143	120	102	89.4	78.8	69.1	59.2	49.3	40.4	32.7	24.6	18.5	13.8	11.7	10.6	
-40	1659	1574	1425	1204	879	481	199	120	94.3	78.3	65.0	52.1	40.4	31.0	21.4	15.3	11.9	10.6	
-30	2090	2065	2017	1934	1787	1505	1039	440	146	100	79.2	63.2	48.2	35.8	24.9	16.9	12.2	10.6	
-20	2204	2192	2170	2130	2057	1926	1670	1153	423	132	92.6	71.9	54.8	39.7	27.8	18.0	12.4	10.6	
-10	2242	2237	2222	2194	2146	2058	1887	1528	807	191	103	77.5	58.9	42.2	29.5	18.6	12.5	10.6	
0	2266	2256	2239	2213	2168	2091	1938	1622	945	207	107	79.3	60.2	43.0	30.0	18.8	12.5	10.6	
10	2236	2232	2218	2191	2144	2059	1891	1542	820	198	102	76.4	58.1	41.7	29.3	18.5	12.5	10.6	
20	2193	2185	2164	2127	2058	1933	1688	1180	446	135	90.3	69.9	53.3	38.7	27.3	17.7	12.3	10.6	
30	2089	2067	2024	1948	1811	1555	1083	478	153	96.5	75.6	60.5	46.2	34.6	24.2	16.5	12.0	10.6	
40	1731	1660	1515	1280	950	540	229	114	88.7	73.1	60.8	48.9	38.2	29.6	20.7	14.9	11.7	10.6	
50	404	324	226	156	110	93.3	80.9	71.0	62.4	53.7	45.1	37.2	30.4	23.2	17.6	13.3	11.4	10.6	
60	66.3	65.6	64.0	61.5	58.6	54.8	50.6	46.0	40.9	36.1	31.6	27.0	21.8	17.7	14.3	12.1	11.2	10.6	
70	34.5	34.4	33.9	33.1	32.0	30.6	29.0	27.1	24.9	22.2	19.4	17.2	15.2	13.1	11.9	11.3	10.9	10.6	
80	14.8	14.8	14.8	14.6	14.4	14.1	13.6	13.1	12.5	11.9	11.4	11.1	10.9	10.7	10.7	10.6	10.6	10.6	
90	6.91	7.12	7.34	7.56	7.77	7.99	8.21	8.42	8.64	8.86	9.07	9.29	9.51	9.73	9.94	10.2	10.4	10.6	
100	8.41	8.43	8.45	8.45	8.44	8.44	8.44	8.46	8.48	8.55	8.64	8.77	8.95	9.18	9.45	9.78	10.2	10.6	
110	10.8	10.8	10.7	10.6	10.4	10.3	10.0	9.80	9.56	9.31	9.10	8.93	8.86	8.91	9.12	9.48	9.97	10.6	
120	13.3	13.2	13.1	12.9	12.7	12.4	12.0	11.6	11.2	10.7	10.2	9.75	9.32	9.04	8.99	9.26	9.81	10.6	
130	16.2	16.0	15.8	15.4	15.0	14.5	14.0	13.5	12.8	12.2	11.5	10.8	10.1	9.45	9.08	9.13	9.68	10.6	
140	20.0	19.7	19.2	18.6	17.8	17.0	16.1	15.3	14.4	13.6	12.6	11.7	10.8	9.97	9.29	9.09	9.58	10.6	
150	23.2	22.9	22.3	21.5	20.6	19.4	18.3	17.1	15.9	14.8	13.7	12.6	11.5	10.4	9.54	9.11	9.51	10.6	
160	27.0	26.4	25.6	24.5	23.1	21.5	20.0	18.5	17.2	15.8	14.5	13.2	12.0	10.8	9.77	9.15	9.47	10.6	
170	30.9	29.9	28.5	26.9	25.2	23.3	21.3	19.5	17.9	16.5	15.1	13.7	12.3	11.1	9.93	9.19	9.45	10.6	
180	32.2	31.1	29.6	28.0	26.1	24.1	21.8	19.8	18.1	16.8	15.4	13.9	12.4	11.1	9.99	9.22	9.46	10.6	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: