

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	528.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-1.0 degrees horizontal

Beam Spread	At 10% of Imax	103.4V x 103.7H
	At 50% of Imax	90.8V x 91.6H
	At 90% of Imax	64.8V x 66.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	936.5 lumens per klm.
	To 50% of Imax	861.9 lumens per klm.
	To 90% of Imax	505.9 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

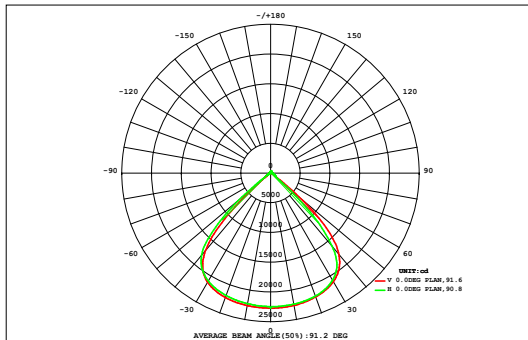
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-04-23

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:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:147.27lm/W	
MODEL		Imax (cd)	22703
NOMINAL POWER (W)	300	AVAILABILITY (%)	93.6
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	40212
NOMINAL FLUX (lm)	42960.9	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	42961
TEST VOLTAGE (V)	220	θ @50% (H,V)	92,91DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
	0.19	0.57	0.98	1.43	1.90	2.33	2.68	2.94	3.07	3.12	3.10	2.94	2.65	2.27	1.83	1.35	0.84	0.29	34.5	0.00		
90	0.20	0.71	1.52	2.60	3.91	5.22	6.38	7.25	7.72	7.81	7.51	6.73	5.58	4.22	2.88	1.77	0.94	0.30	73.2	0.00		
80	0.21	0.96	2.32	4.26	6.48	9.05	11.7	13.9	15.2	15.5	14.6	12.7	10.1	7.37	4.78	2.57	1.13	0.31	133	0.00		
70	0.24	1.23	3.17	5.92	9.90	15.1	22.8	39.3	57.4	56.1	37.9	23.7	16.8	11.4	6.99	3.64	1.40	0.33	313	89.2		
60	0.27	1.51	3.92	8.02	15.1	50.5	176	314	389	382	293	148	41.9	17.0	9.59	4.73	1.71	0.34	1857	1732		
50	0.29	1.75	4.71	10.5	44.1	238	444	553	597	596	549	425	193	33.9	12.5	5.79	2.02	0.37	3711	3630		
40	0.31	1.93	5.44	14.4	140	402	548	620	651	651	621	546	375	97.1	15.7	6.78	2.28	0.39	4699	4636		
30	0.32	2.06	6.02	24.0	234	469	583	644	671	671	646	585	459	179	19.7	7.56	2.47	0.40	5204	5148		
-30	0.33	2.13	6.33	34.6	280	491	596	655	682	682	657	599	486	225	22.6	8.03	2.59	0.41	5430	5378		
	0.33	2.13	6.36	34.1	275	490	596	656	683	683	658	599	485	221	22.1	8.06	2.59	0.41	5421	5369		
	0.33	2.08	6.11	23.2	222	461	582	646	674	674	647	584	451	167	18.9	7.65	2.49	0.40	5169	5112		
	0.31	1.96	5.58	14.4	124	379	540	618	651	651	619	537	352	80.9	15.7	6.92	2.31	0.39	4600	4532		
	0.30	1.78	4.88	10.9	38.2	199	402	524	576	575	520	383	154	27.9	12.9	5.97	2.05	0.37	3439	3349		
-40	0.27	1.54	4.11	8.47	15.6	40.4	127	234	292	285	213	99.3	31.8	17.5	10.0	4.91	1.74	0.35	1387	1230		
-50	0.25	1.26	3.31	6.36	10.7	16.2	23.0	31.4	36.7	35.4	30.0	23.9	17.9	12.3	7.43	3.78	1.43	0.33	262	6.35		
-60	0.22	0.99	2.42	4.54	7.16	10.2	13.3	16.0	17.7	17.9	16.6	14.3	11.2	8.05	5.06	2.66	1.17	0.32	150	0.00		
-70	0.20	0.76	1.63	2.80	4.22	5.76	7.22	8.41	9.15	9.25	8.67	7.58	6.13	4.53	3.07	1.88	0.99	0.30	82.6	0.00		
-80	0.20	0.63	1.13	1.70	2.30	2.88	3.40	3.81	4.08	4.14	3.98	3.66	3.21	2.67	2.09	1.50	0.89	0.29	42.6	0.00		
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	4.77	26.0	70.0	212	1436	3287	4686	5588	6014	6001	5545	4600	3103	1119	194	85.5	31.0	6.31	42008	---		
Φ a	0.00	0.00	0.00	60.2	1309	3174	4574	5475	5903	5884	5427	4477	2969	955	5.01	0.00	0.00	0.00	---	40212		

one-half-peak spread: U:42.2,D:46.8 , L:45.9,R:45.8

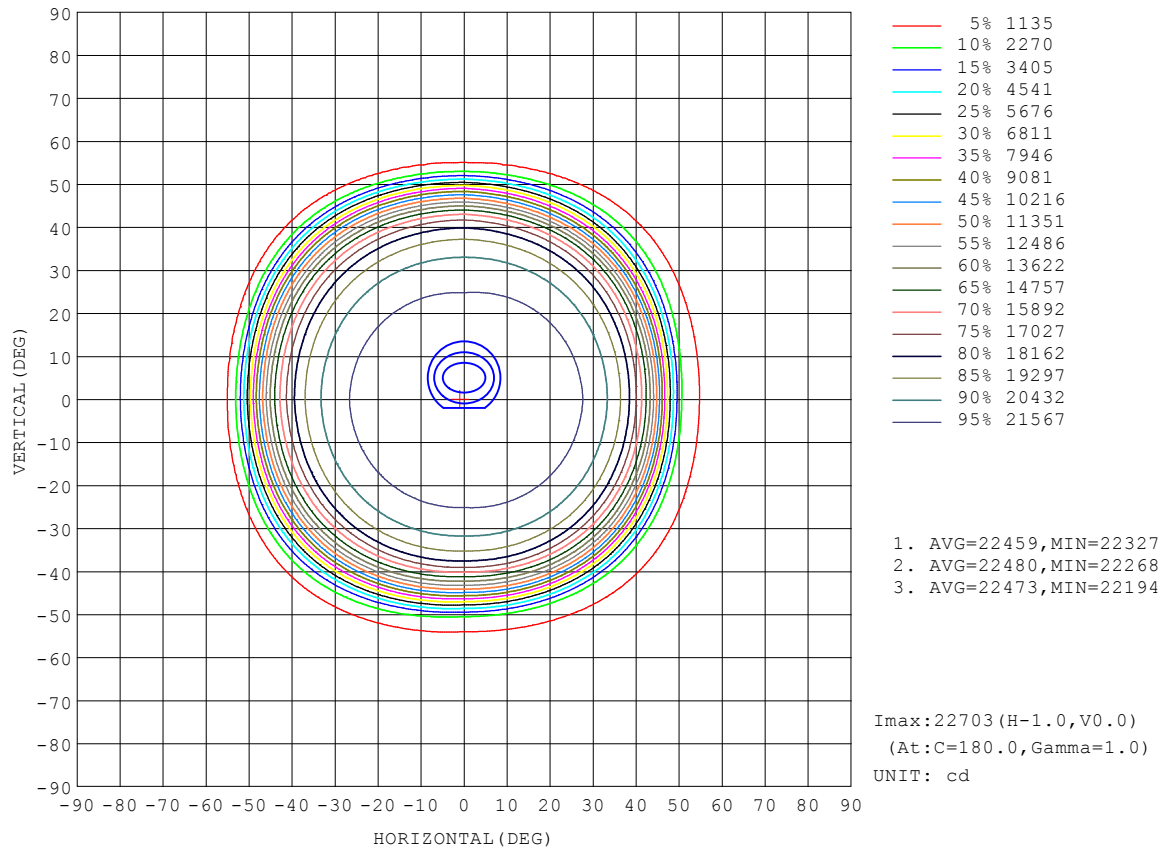
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-04-23

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:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

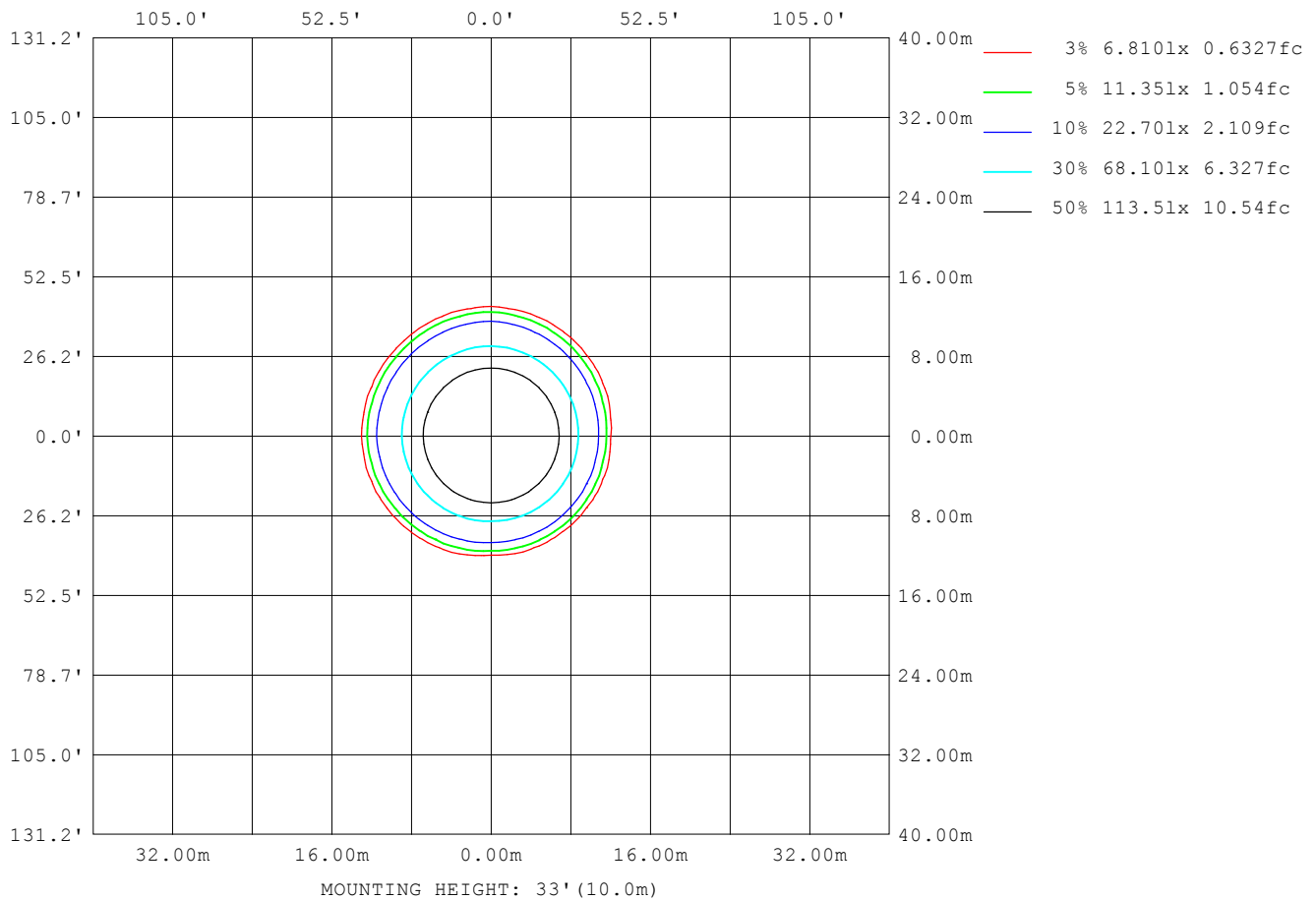


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-04-23

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

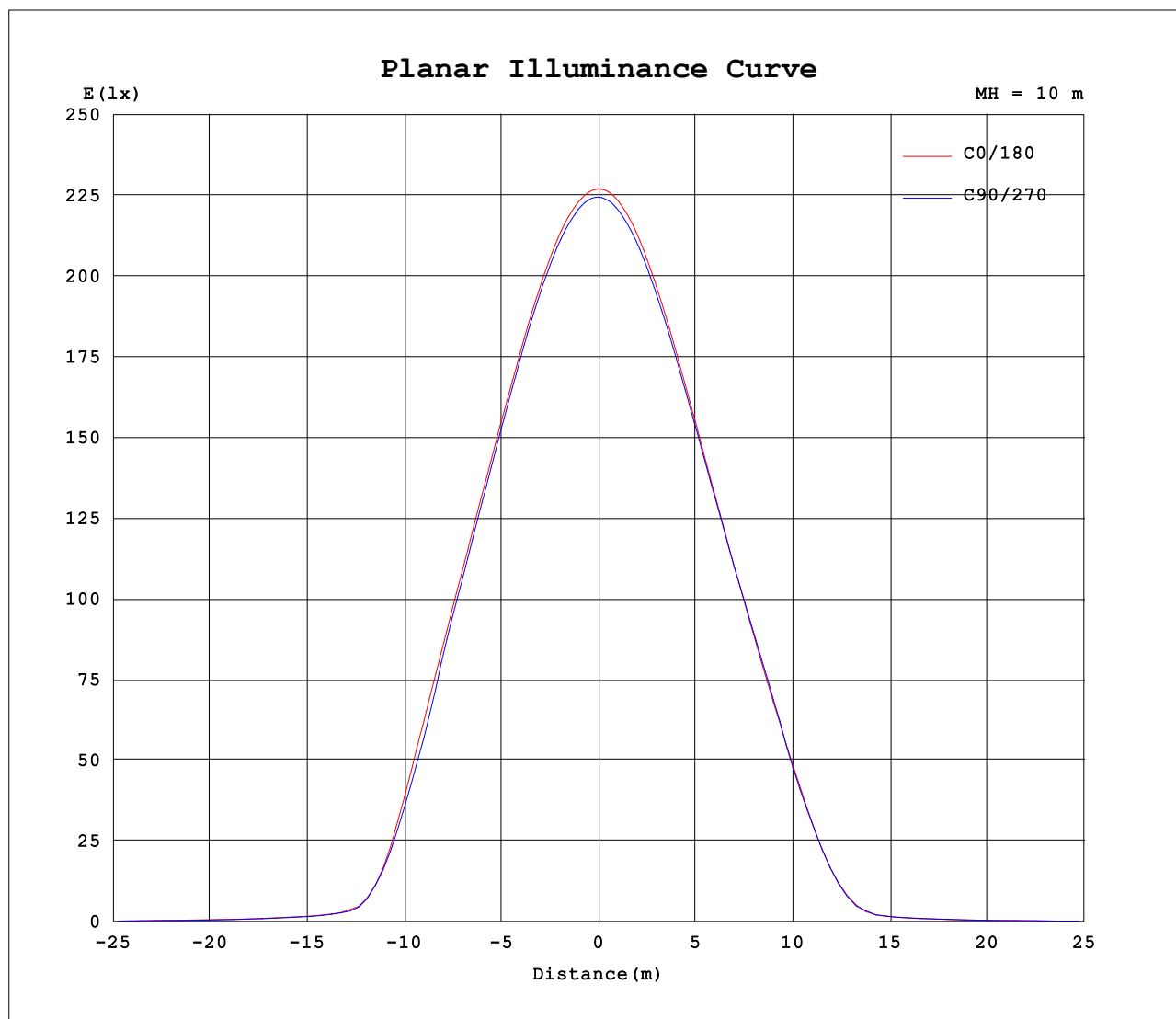
Test:U:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-04-23

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

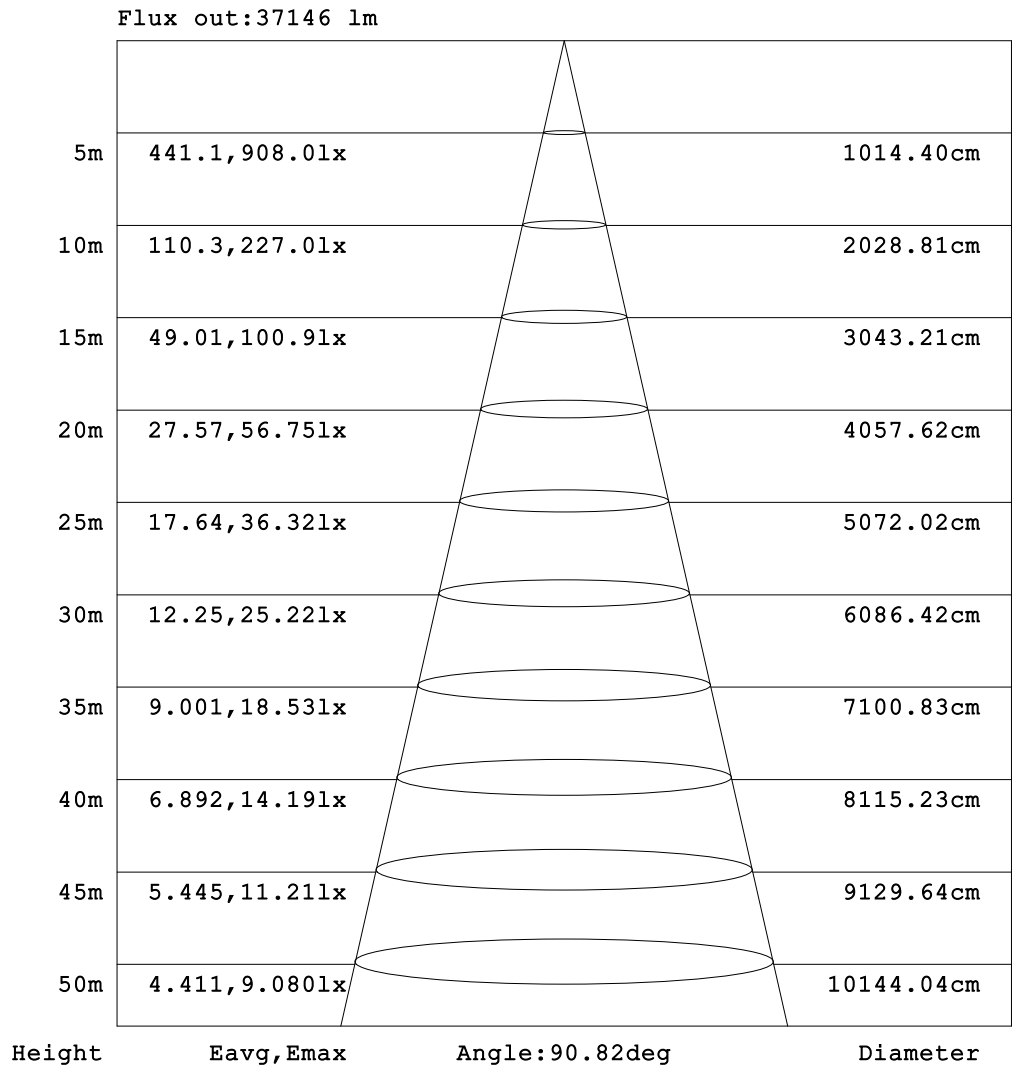


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-04-23

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:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 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: 2025-04-23

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:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 lm									
NAME:					TYPE:				
SPEC.:					DIM.:				
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	7.05	7.50	8.49	9.69	11.0	12.3	13.5	14.8	16.4	18.5	20.4	22.0	23.7	25.6	27.8	30.3	32.0	32.7	32.8
-170	7.05	7.51	8.47	9.63	10.9	12.1	13.4	14.6	16.1	18.1	19.9	21.5	23.2	24.9	26.6	28.5	30.0	30.6	30.4
-160	7.05	7.50	8.39	9.46	10.6	11.8	13.0	14.2	15.4	17.0	18.7	20.2	21.7	23.1	24.4	25.6	26.5	27.1	27.2
-150	7.05	7.46	8.25	9.19	10.2	11.3	12.4	13.4	14.5	15.6	17.0	18.3	19.5	20.5	21.5	22.4	23.1	23.5	23.6
-140	7.05	7.40	8.08	8.86	9.73	10.7	11.6	12.5	13.4	14.2	15.1	16.0	16.9	17.7	18.4	18.9	19.3	19.5	19.5
-130	7.05	7.34	7.89	8.48	9.15	9.87	10.6	11.3	12.0	12.7	13.4	14.0	14.5	15.1	15.5	15.9	16.2	16.4	16.4
-120	7.05	7.26	7.70	8.13	8.58	9.06	9.57	10.1	10.6	11.1	11.5	11.9	12.3	12.7	12.9	13.2	13.3	13.4	13.5
-110	7.05	7.21	7.52	7.83	8.11	8.38	8.65	8.92	9.19	9.46	9.73	9.99	10.2	10.4	10.6	10.7	10.8	10.8	10.8
-100	7.05	7.20	7.39	7.61	7.83	8.01	8.17	8.31	8.43	8.53	8.63	8.71	8.78	8.84	8.90	8.95	8.99	9.02	9.06
-90	7.05	7.25	7.46	7.66	7.87	8.07	8.28	8.48	8.69	8.89	9.10	9.30	9.51	9.71	9.91	10.1	10.3	10.5	10.7
-80	7.05	7.36	7.77	8.35	9.11	10.1	11.2	12.3	13.2	14.0	14.7	15.5	16.3	17.1	17.8	18.3	18.8	19.1	19.2
-70	7.05	7.55	8.69	10.9	13.1	15.0	17.7	20.8	23.5	26.3	28.9	31.4	33.9	36.1	38.2	40.0	41.5	42.7	43.4
-60	7.05	7.86	10.6	13.7	17.5	22.4	26.5	30.8	35.5	40.6	46.0	51.5	56.9	61.9	66.6	70.8	74.2	76.6	77.9
-50	7.05	8.28	12.5	16.8	23.1	28.4	34.5	41.8	50.0	59.1	69.4	80.8	95.5	121	164	212	254	279	268
-40	7.05	8.82	13.8	20.7	27.1	34.2	43.2	54.1	67.6	86.1	137	332	669	1007	1263	1427	1536	1596	1607
-30	7.05	9.43	15.0	23.3	30.4	39.8	51.8	67.5	95.3	266	749	1253	1587	1818	1943	2015	2057	2078	2083
-20	7.05	9.95	16.3	25.0	33.1	44.4	59.5	83.1	231	817	1405	1757	1959	2067	2130	2167	2189	2200	2202
-10	7.05	10.3	17.1	25.9	34.7	47.2	64.6	104	497	1225	1694	1946	2077	2151	2195	2222	2237	2242	2238
0	7.05	10.3	17.4	26.1	35.1	47.7	65.8	115	629	1376	1787	1997	2110	2175	2216	2242	2260	2268	2270
10	7.05	10.2	17.1	25.7	34.4	46.7	64.0	104	525	1266	1727	1958	2081	2151	2193	2218	2232	2235	2229
20	7.05	9.88	16.2	24.7	32.5	43.5	58.4	82.6	251	903	1485	1811	1981	2076	2132	2165	2183	2191	2190
30	7.05	9.33	14.8	23.1	29.6	38.6	50.2	65.7	95.7	317	890	1388	1708	1881	1981	2040	2074	2092	2096
40	7.05	8.68	13.6	20.5	26.3	32.8	41.3	51.7	64.9	85.1	158	464	889	1234	1481	1650	1745	1792	1809
50	7.05	8.11	12.3	16.4	22.6	27.1	32.5	39.1	46.7	55.5	65.4	77.5	96.5	146	244	394	522	605	633
60	7.05	7.66	10.2	13.3	16.9	21.8	25.1	28.5	32.5	36.9	41.7	46.4	51.3	55.9	60.3	63.9	66.8	68.6	69.4
70	7.05	7.33	8.26	10.3	12.5	14.2	16.8	19.9	22.3	24.2	25.9	27.7	29.4	31.0	32.5	33.7	34.6	35.1	35.3
80	7.05	7.14	7.33	7.67	8.21	8.98	10.1	11.0	11.8	12.5	13.0	13.6	14.3	14.9	15.4	15.9	16.2	16.3	16.4
90	7.05	7.04	7.03	7.02	7.02	7.01	7.00	6.99	6.98	6.98	6.97	6.96	6.95	6.94	6.93	6.93	6.92	6.91	6.90
100	7.05	7.00	7.02	7.11	7.21	7.32	7.44	7.55	7.67	7.78	7.88	7.98	8.06	8.13	8.19	8.24	8.26	8.28	8.27
110	7.05	7.03	7.23	7.49	7.77	8.07	8.39	8.71	9.02	9.32	9.60	9.86	10.1	10.3	10.4	10.6	10.6	10.7	10.7
120	7.05	7.11	7.48	7.92	8.42	8.94	9.49	10.0	10.5	11.0	11.5	11.9	12.2	12.5	12.8	12.9	13.1	13.1	13.1
130	7.05	7.21	7.74	8.37	9.08	9.82	10.6	11.3	12.0	12.6	13.2	13.7	14.2	14.6	15.1	15.4	15.7	15.9	15.9
140	7.05	7.31	7.98	8.80	9.70	10.6	11.6	12.4	13.3	14.0	14.8	15.7	16.7	17.7	18.5	19.1	19.4	19.6	19.7
150	7.05	7.39	8.19	9.16	10.2	11.3	12.4	13.4	14.3	15.5	16.9	18.3	19.6	20.6	21.4	22.0	22.5	22.8	22.8
160	7.05	7.45	8.35	9.45	10.6	11.8	13.0	14.1	15.3	17.0	18.8	20.3	21.6	22.8	24.0	25.1	26.0	26.6	26.7
170	7.05	7.49	8.46	9.62	10.9	12.1	13.4	14.6	16.1	18.1	19.9	21.5	23.0	24.7	26.4	28.4	30.1	30.9	31.0
180	7.05	7.50	8.49	9.69	11.0	12.3	13.5	14.8	16.4	18.5	20.4	22.0	23.7	25.6	27.8	30.3	32.0	32.7	32.5

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-04-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ 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:218.47V I:1.3597A P:291.72W PF:0.9821 Freq:49.99Hz Lamp Flux:42960.9x1 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	31.9	30.7	29.1	27.4	25.6	23.7	21.9	19.8	17.9	16.3	14.9	13.5	12.1	10.9	9.80	9.22	9.71	10.9	
-170	30.2	29.3	28.0	26.5	24.9	23.2	21.4	19.4	17.6	16.1	14.7	13.3	12.0	10.8	9.75	9.21	9.72	10.9	
-160	27.0	26.5	25.6	24.4	23.1	21.5	19.9	18.2	16.8	15.5	14.2	12.9	11.7	10.6	9.63	9.21	9.77	10.9	
-150	23.5	23.0	22.4	21.4	20.3	19.1	17.9	16.8	15.7	14.6	13.4	12.3	11.2	10.2	9.45	9.23	9.85	10.9	
-140	19.4	19.2	18.7	18.2	17.5	16.8	16.0	15.2	14.3	13.3	12.4	11.5	10.6	9.82	9.28	9.30	9.95	10.9	
-130	16.3	16.2	15.9	15.5	15.1	14.6	14.0	13.3	12.6	11.9	11.2	10.6	9.93	9.41	9.20	9.45	10.1	10.9	
-120	13.4	13.3	13.2	12.9	12.6	12.3	11.9	11.5	11.0	10.6	10.1	9.67	9.34	9.19	9.31	9.70	10.3	10.9	
-110	10.8	10.8	10.7	10.5	10.4	10.2	10.0	9.78	9.56	9.37	9.23	9.17	9.21	9.38	9.67	10.0	10.5	10.9	
-100	9.06	9.07	9.08	9.09	9.10	9.13	9.16	9.22	9.29	9.39	9.51	9.66	9.83	10.0	10.2	10.4	10.7	10.9	
-90	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	
-80	19.2	19.1	18.8	18.4	18.0	17.4	16.8	16.0	15.1	14.3	13.6	13.1	12.6	12.2	11.8	11.5	11.2	10.9	
-70	43.2	42.7	41.7	40.3	38.5	36.5	34.3	31.8	28.8	25.2	21.9	19.4	17.4	14.8	13.2	12.2	11.5	10.9	
-60	77.6	76.3	73.9	70.5	66.6	62.2	57.1	51.8	46.3	40.7	35.5	30.4	24.0	19.5	16.0	13.1	11.8	10.9	
-50	254	210	164	132	113	98.6	88.5	78.0	67.8	58.4	49.4	40.9	33.6	25.4	19.2	14.4	12.1	10.9	
-40	1588	1518	1389	1191	874	482	185	117	94.5	78.7	64.6	52.4	41.4	32.4	22.3	16.5	12.4	10.9	
-30	2079	2058	2016	1937	1795	1521	1091	484	151	101	80.5	63.4	49.1	37.1	26.2	18.1	12.7	10.9	
-20	2201	2192	2172	2136	2071	1950	1705	1238	498	136	95.0	72.8	55.6	41.2	29.6	19.0	12.9	10.9	
-10	2243	2240	2228	2203	2160	2083	1929	1601	938	216	106	79.8	59.8	43.9	31.6	19.6	13.1	10.9	
0	2267	2262	2249	2226	2187	2120	1988	1707	1099	279	111	82.5	61.4	44.9	32.3	19.8	13.1	10.9	
10	2236	2235	2224	2200	2160	2087	1941	1634	979	245	106	79.2	59.3	43.6	31.4	19.5	13.0	10.9	
20	2192	2186	2170	2138	2080	1972	1758	1318	584	156	94.4	71.8	54.7	40.6	29.4	18.9	12.9	10.9	
30	2093	2076	2041	1976	1859	1643	1227	625	202	101	78.6	61.8	47.9	36.4	26.0	17.9	12.6	10.9	
40	1784	1726	1612	1409	1102	702	318	139	93.5	76.0	62.3	50.5	40.0	31.6	22.1	16.3	12.3	10.9	
50	580	477	346	212	137	99.6	85.2	74.0	64.3	55.1	46.7	38.9	32.3	24.9	18.8	14.2	11.9	10.9	
60	69.7	68.8	66.9	64.2	60.7	56.6	52.0	47.5	42.5	37.7	33.2	28.9	23.4	18.9	15.6	12.8	11.6	10.9	
70	35.7	35.7	35.3	34.5	33.4	32.1	30.5	28.8	26.7	24.0	21.0	18.5	16.6	14.1	12.6	11.8	11.3	10.9	
80	16.5	16.5	16.3	16.1	15.8	15.4	14.9	14.4	13.6	13.0	12.4	11.9	11.5	11.3	11.1	11.0	11.0	10.9	
90	7.13	7.35	7.58	7.80	8.03	8.25	8.48	8.70	8.93	9.15	9.37	9.60	9.82	10.0	10.3	10.5	10.7	10.9	
100	8.32	8.35	8.37	8.39	8.40	8.41	8.43	8.47	8.53	8.63	8.75	8.92	9.14	9.40	9.71	10.1	10.5	10.9	
110	10.7	10.6	10.5	10.4	10.3	10.1	9.87	9.65	9.42	9.20	9.02	8.91	8.90	9.04	9.32	9.74	10.3	10.9	
120	13.1	13.1	12.9	12.7	12.5	12.2	11.8	11.4	11.0	10.5	10.0	9.59	9.22	9.03	9.10	9.48	10.1	10.9	
130	15.8	15.7	15.4	15.1	14.7	14.3	13.8	13.2	12.6	11.9	11.2	10.5	9.88	9.34	9.09	9.30	9.97	10.9	
140	19.6	19.3	18.9	18.3	17.5	16.6	15.8	14.9	14.1	13.2	12.3	11.4	10.6	9.78	9.22	9.20	9.86	10.9	
150	22.8	22.5	22.0	21.3	20.4	19.2	17.9	16.7	15.5	14.4	13.3	12.2	11.2	10.2	9.42	9.17	9.78	10.9	
160	26.5	25.9	25.1	24.0	22.8	21.5	19.9	18.3	16.7	15.4	14.1	12.9	11.7	10.6	9.61	9.18	9.73	10.9	
170	30.6	29.5	27.9	26.3	24.7	23.0	21.3	19.4	17.6	16.1	14.7	13.3	12.0	10.8	9.75	9.20	9.70	10.9	
180	31.9	30.7	29.1	27.4	25.6	23.7	21.9	19.8	17.9	16.3	14.9	13.5	12.1	10.9	9.80	9.22	9.71	10.9	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-04-23

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: