

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		547.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of Imax	107.3V x 107.4H
	At 50% of Imax	90.4V x 90.7H
	At 90% of Imax	60.2V x 61.7H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	959.6 lumens per klm.
	To 50% of Imax	850.9 lumens per klm.
	To 90% of Imax	469.0 lumens per klm.

Upward LOR	1.2 %
Downward LOR	98.8 %

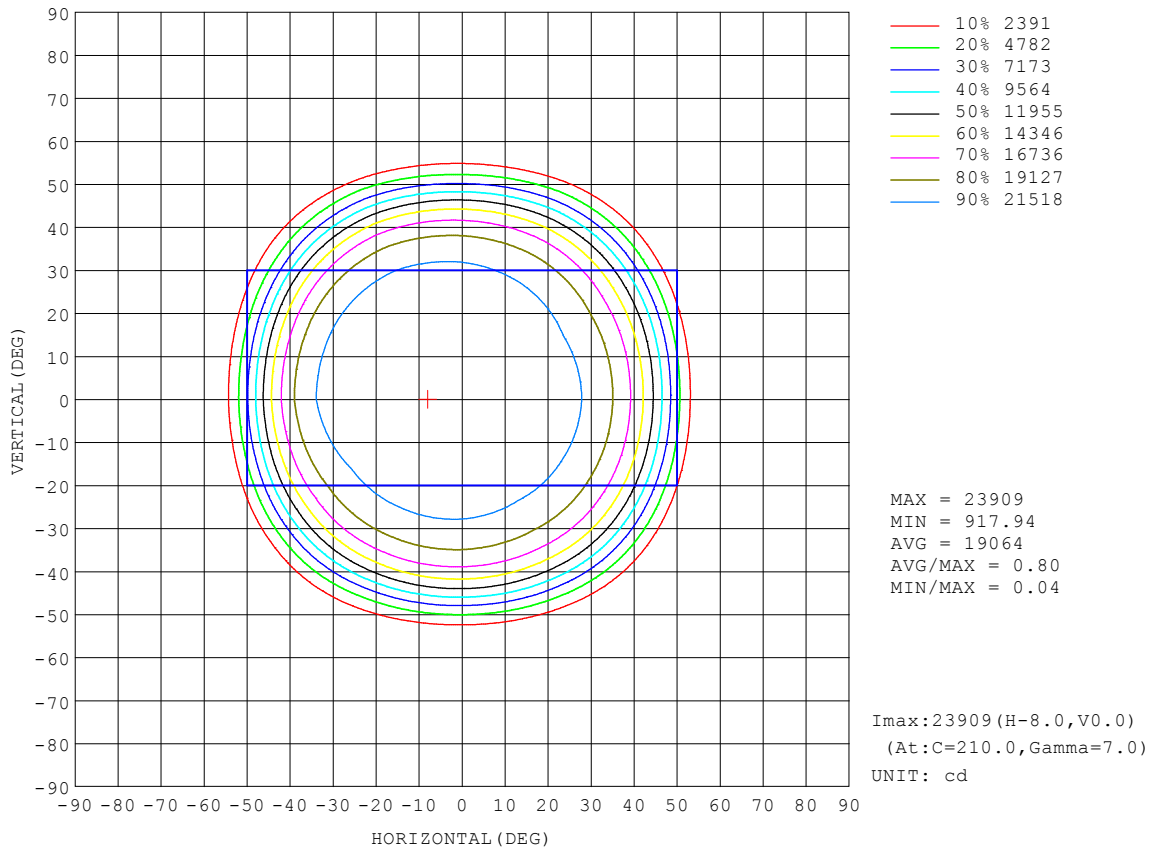
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: D
 Test Date: 2026-02-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 10.700m [K=1.0000]
 Remarks: FLP

ISOCANDELA DIAGRAM

Test:U:219.88V I:1.1498A P:250.26W PF:0.9899 Freq:49.99Hz Lamp Flux:43696.6x1 lm		
NAME: LY-F-250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

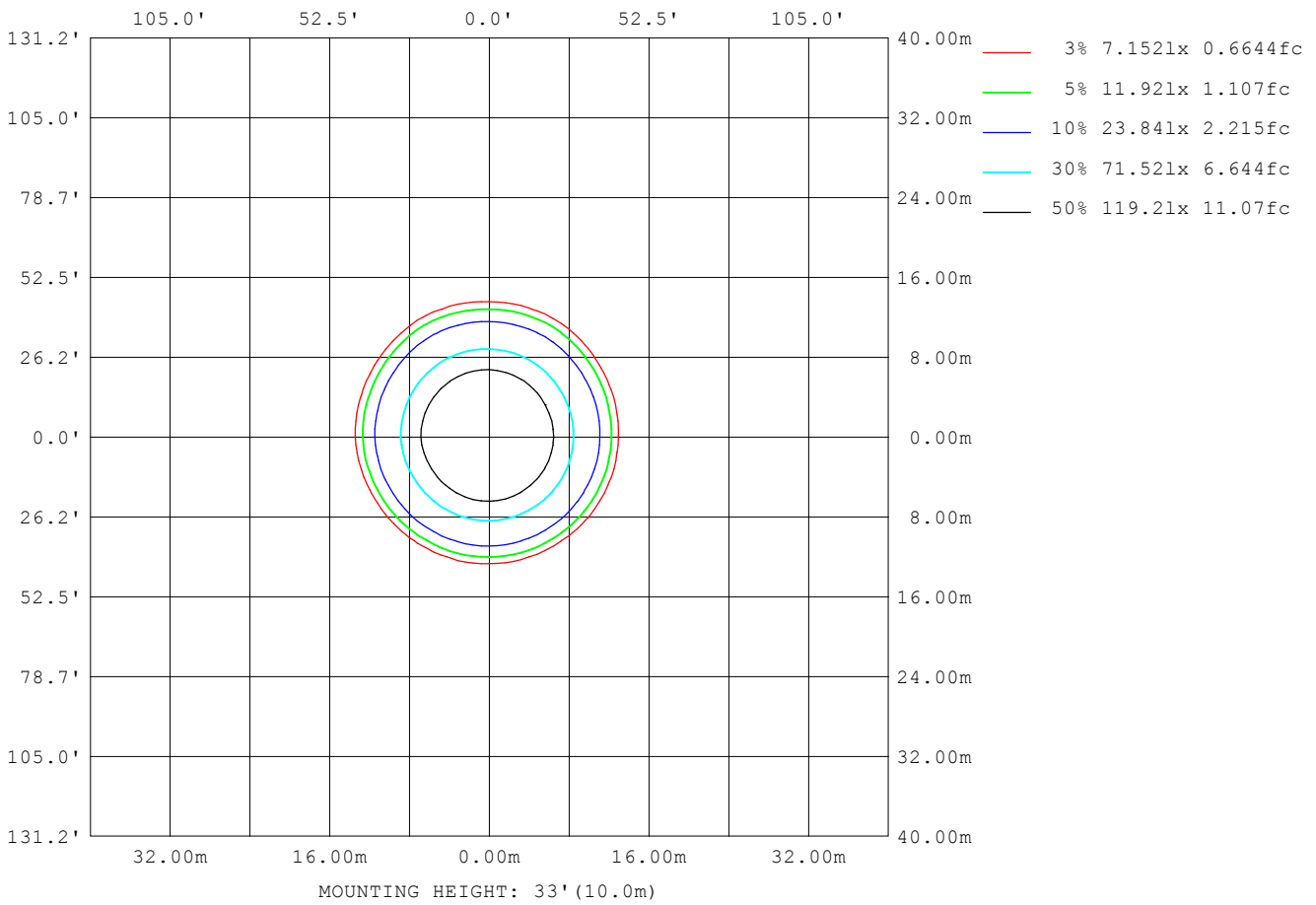


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:D
 Test Date:2026-02-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:10.700m [K=1.0000]
 Remarks: FLP

ISOLUX DIAGRAM

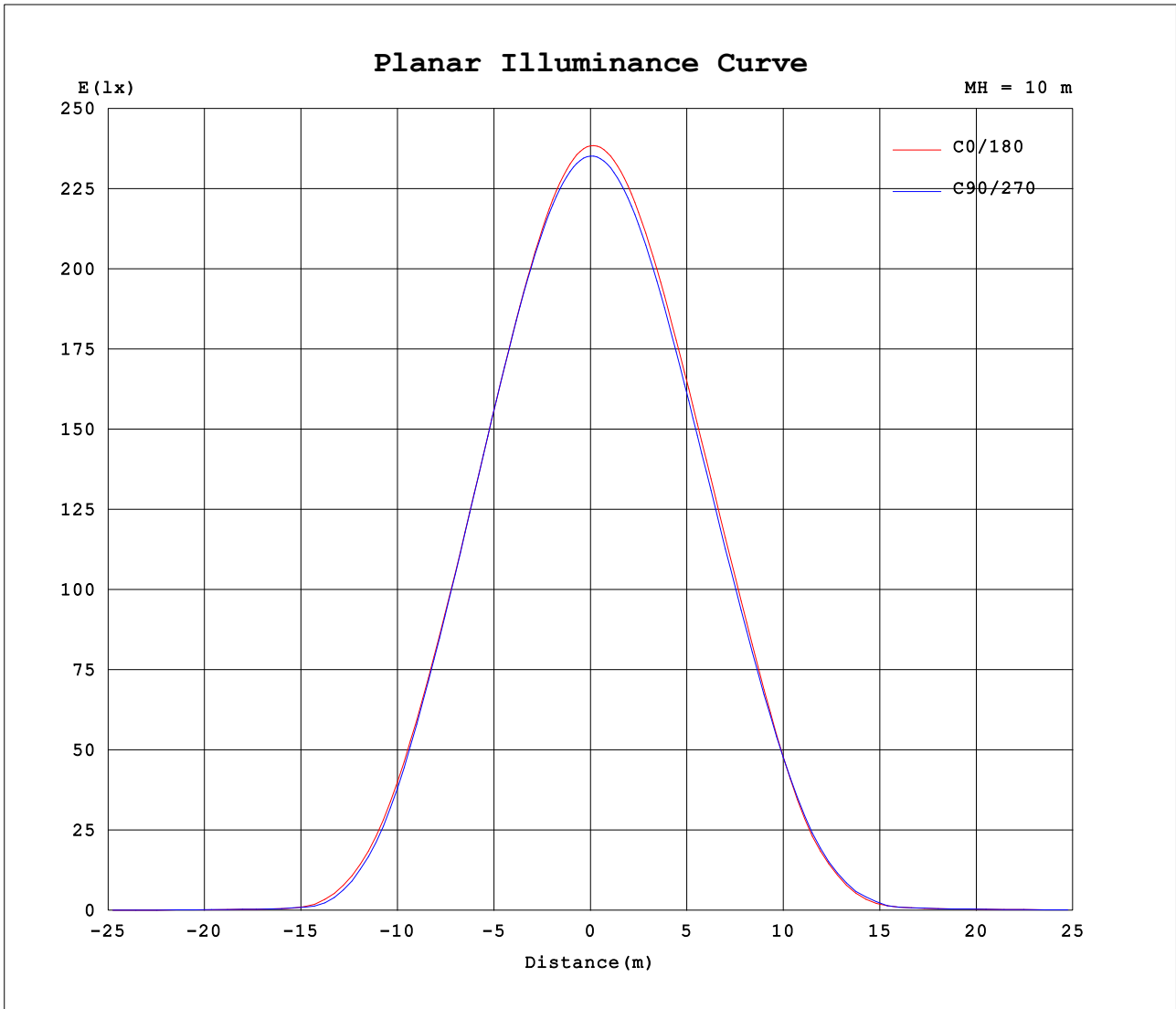
Test:U:219.88V I:1.1498A P:250.26W PF:0.9899 Freq:49.99Hz Lamp Flux:43696.6x1 lm		
NAME: LY-F-250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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Planar Illuminance Curve

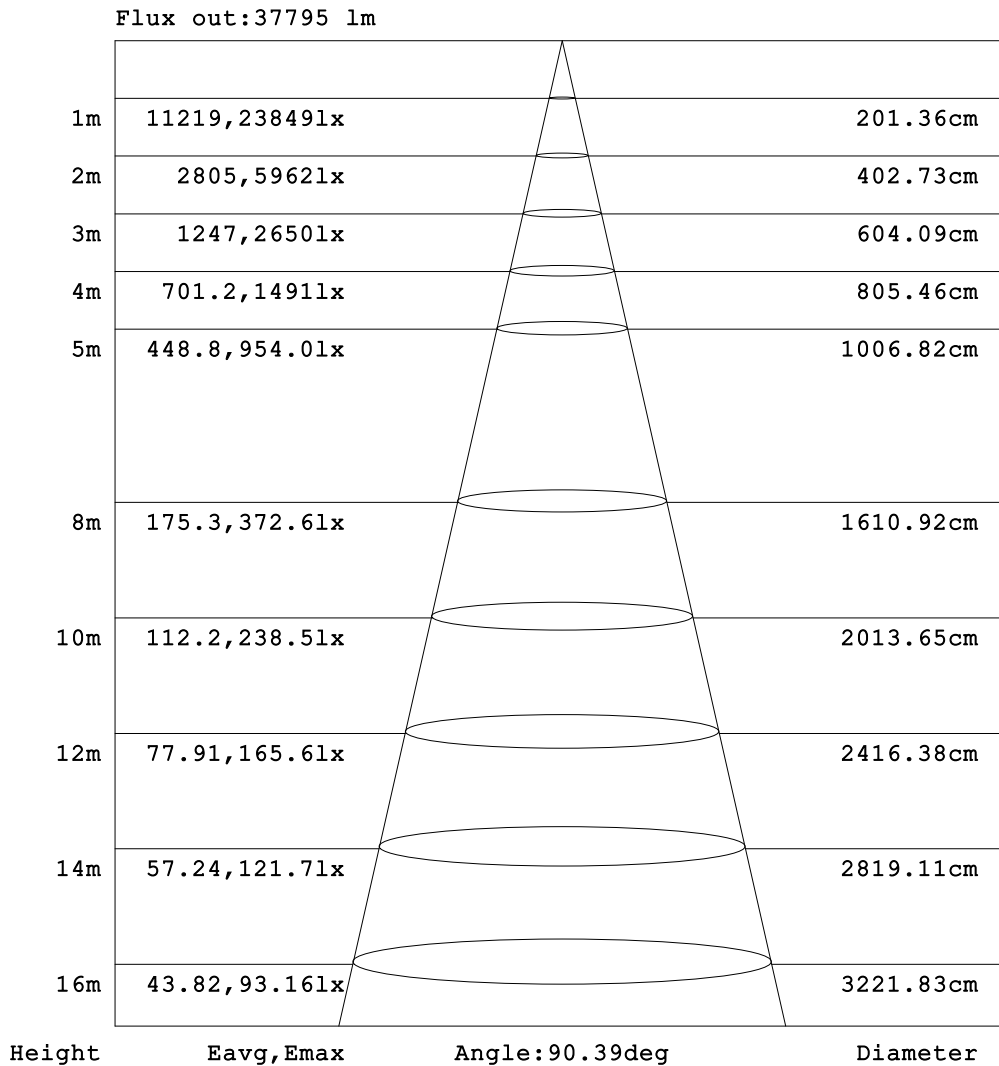


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 Test Speed: HIGH
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AAI Figure

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NAME: LY-F-250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:D
 Test Date:2026-02-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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 Humidity:65.0%
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.88V I:1.1498A P:250.26W PF:0.9899 Freq:49.99Hz Lamp Flux:43696.6x1 lm		
NAME: LY-F-250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	10.5	8.69	7.50	6.87	6.76	7.06	7.64	8.39	9.28	10.3	11.4	12.4	13.4	14.4	15.8	17.2	18.4	19.2	19.7
-170	10.5	8.48	7.15	6.43	6.28	6.57	7.18	8.00	8.97	10.0	11.2	12.3	13.3	14.4	15.5	16.6	17.6	18.4	18.8
-160	10.5	8.31	6.85	6.02	5.76	5.96	6.52	7.33	8.28	9.33	10.5	11.6	12.6	13.5	14.3	15.0	15.6	16.1	16.2
-150	10.5	8.20	6.62	5.63	5.21	5.24	5.64	6.32	7.18	8.14	9.16	10.2	11.2	12.0	12.7	13.3	13.7	13.9	14.0
-140	10.5	8.13	6.44	5.29	4.65	4.44	4.57	4.99	5.62	6.56	7.57	8.50	9.34	10.1	10.7	11.2	11.6	11.8	12.0
-130	10.5	8.13	6.35	5.03	4.14	3.62	3.42	3.47	4.01	4.80	5.59	6.36	7.06	7.68	8.21	8.63	8.95	9.16	9.27
-120	10.5	8.18	6.34	4.87	3.73	2.88	2.30	2.12	2.58	3.07	3.55	4.03	4.49	4.91	5.27	5.57	5.80	5.96	6.03
-110	10.5	8.31	6.46	4.85	3.48	2.32	1.34	1.20	1.42	1.64	1.87	2.09	2.31	2.50	2.67	2.81	2.92	2.99	3.02
-100	10.5	8.51	6.70	5.02	3.46	2.02	0.67	0.62	0.67	0.72	0.78	0.83	0.89	0.93	0.97	1.00	1.03	1.04	1.05
-90	10.5	8.85	7.17	5.50	3.82	2.14	0.47	0.45	0.43	0.42	0.40	0.38	0.36	0.36	0.36	0.36	0.35	0.35	0.35
-80	10.5	9.48	8.46	7.41	6.28	5.05	3.65	3.93	4.35	4.74	5.08	5.33	5.51	5.95	6.35	6.64	6.83	6.95	7.00
-70	10.5	10.3	10.4	10.6	10.7	10.2	9.31	10.1	11.6	12.9	14.1	15.1	16.0	17.0	18.1	19.0	19.8	20.3	20.7
-60	10.5	11.3	12.8	14.7	15.0	15.3	16.1	17.0	19.2	21.4	23.4	25.3	27.0	28.7	30.6	32.3	33.6	34.4	34.5
-50	10.5	12.3	15.8	18.0	19.1	21.3	23.3	24.5	27.1	31.0	36.2	45.5	62.2	131	231	326	414	469	485
-40	10.5	13.4	18.5	20.4	23.8	27.9	30.8	33.7	39.0	57.3	170	428	725	1005	1236	1410	1522	1579	1593
-30	10.5	14.5	20.7	23.4	28.6	34.0	38.3	45.5	87.5	349	773	1204	1550	1778	1923	2013	2067	2093	2097
-20	10.5	15.4	22.2	26.1	33.4	39.4	45.7	71.6	326	831	1359	1739	1964	2103	2184	2229	2256	2268	2270
-10	10.5	16.2	23.3	28.4	37.2	44.1	53.0	137	586	1194	1705	2001	2161	2244	2282	2302	2317	2326	2330
0	10.5	16.7	24.2	30.1	40.1	47.7	58.1	184	699	1353	1845	2113	2252	2322	2361	2381	2390	2390	2384
10	10.5	16.5	24.2	29.9	39.3	46.9	56.9	158	626	1257	1770	2062	2217	2295	2337	2358	2366	2363	2350
20	10.5	16.1	23.9	29.0	37.4	44.8	52.9	85.9	397	937	1499	1875	2092	2209	2272	2306	2322	2323	2316
30	10.5	15.5	23.2	27.4	34.4	41.7	48.2	58.9	144	474	944	1415	1749	1958	2082	2154	2187	2199	2195
40	10.5	14.7	21.6	25.5	31.0	37.4	42.9	48.7	58.4	94.1	300	626	972	1286	1523	1666	1752	1791	1793
50	10.5	13.9	19.3	23.7	27.4	32.1	36.9	41.1	45.5	50.8	60.2	79.4	154	303	461	583	673	725	734
60	10.5	13.0	16.5	20.8	23.8	26.9	30.5	33.7	36.7	39.5	42.3	45.2	48.1	51.3	54.4	57.3	59.3	59.8	59.1
70	10.5	12.1	14.1	16.6	19.3	21.5	23.6	25.9	27.9	29.8	31.5	33.0	34.4	35.7	37.0	38.0	38.8	39.3	39.7
80	10.5	11.2	12.1	13.1	14.2	15.2	16.2	17.2	18.2	19.0	19.8	20.5	21.2	21.8	22.3	22.6	22.7	22.7	22.6
90	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.9	10.8	10.8	10.7	10.6	10.6	10.5
100	10.5	10.1	9.79	9.50	9.23	8.98	8.75	8.54	8.35	8.18	8.04	7.91	7.80	7.68	7.57	7.49	7.42	7.36	7.33
110	10.5	9.79	9.21	8.69	8.24	7.86	7.52	7.26	7.04	6.87	6.75	6.66	6.60	6.56	6.53	6.51	6.50	6.48	6.47
120	10.5	9.50	8.71	8.06	7.53	7.13	6.86	6.70	6.64	6.64	6.69	6.77	6.87	6.98	7.10	7.20	7.28	7.33	7.34
130	10.5	9.26	8.31	7.58	7.07	6.78	6.67	6.71	6.86	7.09	7.37	7.68	7.98	8.25	8.50	8.71	8.87	8.97	9.01
140	10.5	9.06	8.00	7.25	6.83	6.70	6.79	7.05	7.43	7.89	8.37	8.83	9.27	9.65	9.98	10.3	10.6	10.8	10.9
150	10.5	8.90	7.78	7.05	6.74	6.77	7.05	7.52	8.09	8.71	9.33	9.97	10.6	11.2	11.7	12.1	12.5	12.7	12.7
160	10.5	8.79	7.62	6.93	6.73	6.89	7.33	7.95	8.67	9.44	10.3	11.1	11.9	12.7	13.3	14.0	14.5	14.9	15.0
170	10.5	8.72	7.53	6.88	6.75	7.00	7.55	8.26	9.09	10.0	11.0	12.0	12.9	13.8	14.9	16.0	17.0	17.9	18.1
180	10.5	8.69	7.50	6.87	6.76	7.06	7.64	8.39	9.28	10.3	11.4	12.4	13.4	14.4	15.8	17.2	18.4	19.2	19.6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
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γ Range: 0 - 180DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: LY-F-250W	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	19.3	18.8	17.9	16.7	15.4	14.4	13.5	12.3	10.9	9.41	7.83	6.22	4.64	3.21	2.03	1.17	0.63	0.41
-170	18.3	17.7	16.9	15.9	15.0	14.1	13.2	12.0	10.7	9.18	7.65	6.07	4.51	3.13	1.98	1.14	0.63	0.41
-160	16.0	15.6	15.1	14.6	14.0	13.3	12.3	11.2	9.91	8.54	7.09	5.59	4.16	2.89	1.85	1.08	0.61	0.41
-150	14.0	13.8	13.5	13.1	12.5	11.8	10.9	9.88	8.74	7.49	6.18	4.84	3.61	2.52	1.64	0.99	0.58	0.41
-140	11.9	11.7	11.4	11.0	10.5	9.87	9.08	8.17	7.17	6.10	4.97	3.91	2.93	2.07	1.38	0.87	0.55	0.41
-130	9.25	9.12	8.88	8.54	8.08	7.49	6.82	6.07	5.27	4.46	3.66	2.89	2.20	1.59	1.11	0.75	0.52	0.41
-120	6.02	5.93	5.75	5.50	5.19	4.80	4.35	3.88	3.38	2.88	2.40	1.93	1.51	1.14	0.85	0.63	0.48	0.41
-110	3.02	2.99	2.91	2.80	2.65	2.47	2.27	2.04	1.81	1.58	1.35	1.14	0.94	0.77	0.63	0.52	0.45	0.41
-100	1.05	1.05	1.04	1.02	0.98	0.95	0.90	0.84	0.79	0.73	0.68	0.62	0.57	0.52	0.48	0.44	0.42	0.41
-90	0.35	0.35	0.35	0.36	0.36	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.42	0.42	0.42	0.41	0.41	0.41
-80	6.83	6.61	6.30	5.90	5.40	4.88	4.67	4.41	4.10	3.72	3.31	2.87	2.41	1.92	1.43	0.97	0.59	0.41
-70	19.9	19.0	17.9	16.7	15.3	14.1	13.3	12.3	11.2	9.93	8.54	7.17	6.00	4.72	3.28	2.03	0.97	0.41
-60	33.6	32.2	30.3	28.2	25.8	24.0	22.1	20.2	18.2	16.2	14.2	12.0	9.57	7.40	5.73	3.30	1.45	0.41
-50	461	399	305	207	110	52.8	37.9	30.8	26.4	22.8	19.6	16.6	13.3	10.0	7.38	4.84	1.94	0.41
-40	1562	1488	1360	1175	939	659	372	132	51.1	31.5	25.6	21.3	17.2	12.6	8.79	6.28	2.40	0.41
-30	2076	2033	1960	1853	1692	1452	1101	680	283	67.3	32.7	25.6	20.6	15.1	10.2	7.12	2.84	0.41
-20	2257	2230	2190	2127	2025	1861	1608	1215	706	241	48.0	29.5	23.3	17.5	11.3	7.53	3.19	0.41
-10	2325	2309	2279	2233	2161	2040	1841	1518	1015	458	82.1	32.9	25.1	19.1	12.0	7.74	3.41	0.41
0	2370	2349	2318	2273	2207	2098	1916	1615	1133	545	106	34.4	26.0	19.8	12.3	7.82	3.50	0.41
10	2332	2309	2276	2235	2168	2055	1861	1544	1050	484	93.4	37.4	28.4	21.5	13.6	8.65	3.77	0.41
20	2298	2271	2228	2164	2064	1904	1659	1285	773	285	59.3	37.9	29.5	22.1	14.4	9.29	3.88	0.41
30	2171	2129	2063	1959	1802	1565	1227	790	361	91.8	48.3	37.1	29.5	21.6	14.6	9.61	3.83	0.41
40	1759	1688	1571	1405	1161	854	525	225	78.0	54.1	43.0	35.2	28.0	20.5	14.1	9.34	3.65	0.41
50	708	641	537	399	247	120	69.7	56.2	48.7	43.9	38.7	32.0	25.2	18.9	13.3	8.26	3.37	0.41
60	58.7	57.3	54.8	51.6	48.9	45.9	43.2	40.8	38.3	35.6	32.8	27.7	21.9	16.5	11.8	6.89	2.99	0.41
70	39.1	38.3	37.3	36.1	34.7	33.3	32.0	30.6	28.9	27.1	25.0	22.0	17.5	13.3	9.16	5.58	2.57	0.41
80	22.6	22.5	22.2	21.8	21.2	20.5	19.8	19.1	18.2	17.3	16.3	15.1	12.2	9.37	6.73	4.31	2.18	0.41
90	10.5	10.5	10.5	10.4	10.4	10.4	10.3	10.2	10.1	10.0	9.91	9.81	8.24	6.68	5.11	3.54	1.98	0.41
100	7.32	7.33	7.36	7.40	7.45	7.53	7.60	7.68	7.78	7.89	8.02	8.07	6.99	5.84	4.62	3.31	1.90	0.41
110	6.47	6.47	6.47	6.47	6.47	6.48	6.51	6.55	6.63	6.74	6.89	6.79	6.02	5.16	4.17	3.06	1.81	0.41
120	7.34	7.30	7.23	7.13	7.00	6.87	6.75	6.63	6.54	6.48	6.48	6.04	5.36	4.62	3.78	2.81	1.70	0.41
130	8.99	8.92	8.78	8.59	8.35	8.07	7.76	7.43	7.11	6.83	6.43	5.75	5.02	4.25	3.44	2.56	1.56	0.41
140	10.8	10.6	10.4	10.1	9.78	9.40	8.97	8.50	7.99	7.41	6.63	5.78	4.91	4.03	3.17	2.31	1.40	0.41
150	12.7	12.5	12.2	11.8	11.3	10.7	10.1	9.48	8.82	8.00	7.04	5.99	4.91	3.88	2.92	2.05	1.23	0.41
160	14.7	14.3	13.9	13.4	12.8	12.1	11.4	10.6	9.65	8.63	7.48	6.21	4.94	3.74	2.68	1.79	1.05	0.41
170	17.4	16.7	15.8	14.9	14.2	13.5	12.6	11.6	10.4	9.15	7.78	6.33	4.87	3.53	2.39	1.49	0.85	0.41
180	19.3	18.8	17.9	16.7	15.4	14.4	13.5	12.3	10.9	9.41	7.83	6.22	4.64	3.21	2.03	1.17	0.63	0.41

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 Operators:D
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
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