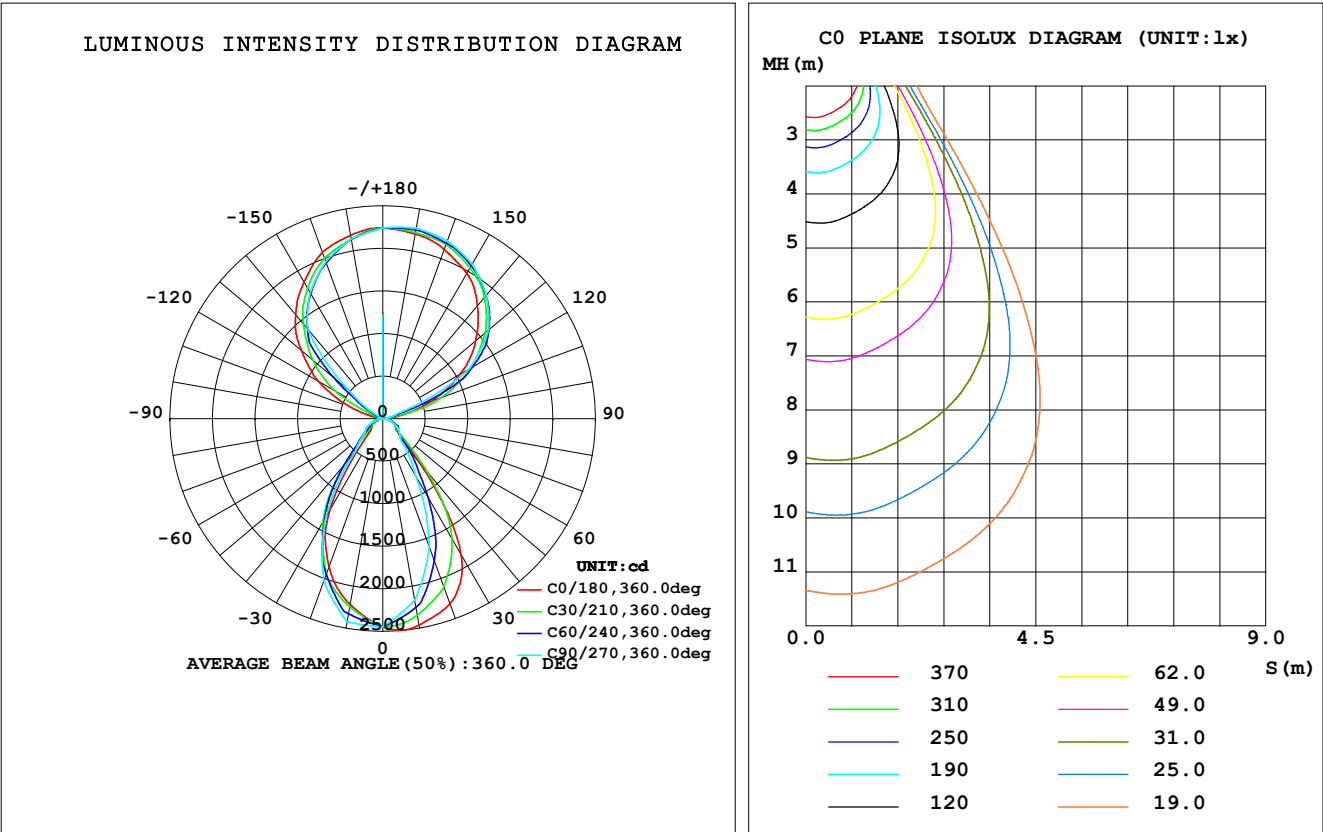


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.31 lm/W			
MODEL	2835	I _{max} (cd)	2496	S/MH (C0/180)	1.03
NOMINAL POWER (W)	70	LOR (%)	100.0	S/MH (C90/270)	0.77
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	8615.0	η UP, DN (C0-180)	38.6, 15.8
NOMINAL FLUX (lm)	8614.96	CIE CLASS	SEMI-IND.	η UP, DN (C180-360)	26.8, 18.8
LAMPS INSIDE	1	η up (%)	65.4	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	220.0	η down (%)	34.6	CIBSE SHR MAX	1.05



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.100m [K=1.2346]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2496	2388	2306	2283	2341	2369	2434	2481	0- 5	57.54	57.54	0.67,0.67
10	2462	2297	2167	2124	2218	2282	2423	2480	5- 10	167.5	225.0	2.61,2.61
15	2396	2154	1883	1944	2064	2159	2226	2413	10- 15	263.8	488.8	5.67,5.67
20	2312	1913	1599	1675	1850	1929	2030	2227	15- 20	336.3	825.1	9.58,9.58
25	2145	1674	1184	1412	1601	1691	1685	2036	20- 25	379.6	1205	14,14
30	1841	1375	769.5	1126	1254	1410	1340	1784	25- 30	385.2	1590	18.5,18.5
35	1285	1010	549.3	826.4	770.8	1118	923.6	1486	30- 35	348.5	1938	22.5,22.5
40	662.7	650.6	329.1	542.6	388.6	812.0	507.0	1163	35- 40	269.6	2208	25.6,25.6
45	308.5	413.2	291.1	344.3	223.0	504.6	395.9	738.5	40- 45	180.0	2388	27.7,27.7
50	213.0	228.7	253.1	207.8	190.0	276.1	284.9	369.9	45- 50	124.3	2512	29.2,29.2
55	189.5	197.8	221.3	180.3	168.6	206.6	253.3	255.2	50- 55	99.07	2611	30.3,30.3
60	174.2	172.1	189.5	155.6	153.8	167.7	221.8	186.0	55- 60	89.18	2700	31.3,31.3
65	153.6	146.1	153.1	132.0	119.1	142.7	177.2	157.6	60- 65	80.99	2781	32.3,32.3
70	113.3	118.5	116.7	107.2	85.84	117.3	132.6	130.0	65- 70	68.09	2850	33.1,33.1
75	81.61	90.55	93.11	82.45	71.66	91.38	106.6	101.4	70- 75	54.03	2904	33.7,33.7
80	84.54	69.01	69.50	63.97	60.48	71.77	80.62	78.55	75- 80	44.01	2948	34.2,34.2
85	52.54	23.44	0	22.17	27.79	25.18	0	27.08	80- 85	28.63	2976	34.5,34.5
90	8.922	0	0	0	2.694	0	0	0	85- 90	4.718	2981	34.6,34.6
95	57.93	14.12	0	12.84	8.001	5.110	0	6.950	90- 95	2.621	2984	34.6,34.6
100	195.1	94.41	43.66	57.76	65.16	20.60	12.99	25.72	95-100	19.28	3003	34.9,34.9
105	392.2	234.2	124.9	143.3	204.1	33.97	27.89	40.15	100-105	58.12	3061	35.5,35.5
110	612.1	662.9	206.2	532.7	410.4	41.00	42.79	48.06	105-110	122.4	3183	37,37
115	840.8	988.3	690.1	848.7	630.3	132.3	51.08	157.6	110-115	220.1	3403	39.5,39.5
120	1050	1227	1174	1104	867.6	296.5	59.37	358.8	115-120	324.4	3728	43.3,43.3
125	1257	1416	1399	1310	1057	633.1	291.7	732.3	120-125	415.1	4143	48.1,48.1
130	1426	1599	1624	1498	1250	1013	524.1	1131	125-130	489.1	4632	53.8,53.8
135	1586	1757	1759	1651	1447	1220	951.5	1314	130-135	546.7	5179	60.1,60.1
140	1731	1904	1894	1802	1595	1426	1379	1490	135-140	577.2	5756	66.8,66.8
145	1873	1999	1997	1909	1736	1590	1544	1647	140-145	573.1	6329	73.5,73.5
150	1973	2080	2101	2011	1854	1739	1708	1788	145-150	543.9	6873	79.8,79.8
155	2043	2142	2162	2107	1974	1864	1836	1908	150-155	494.5	7367	85.5,85.5
160	2116	2182	2223	2172	2079	1962	1964	2012	155-160	429.3	7797	90.5,90.5
165	2174	2218	2248	2216	2140	2059	2055	2104	160-165	349.2	8146	94.6,94.6
170	2203	2234	2274	2238	2187	2138	2145	2157	165-170	257.7	8404	97.5,97.5
175	2224	2241	2258	2248	2230	2201	2194	2199	170-175	158.0	8562	99.4,99.4
180	2242	2242	2242	2242	2242	2242	2242	2242	175-180	53.34	8615	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

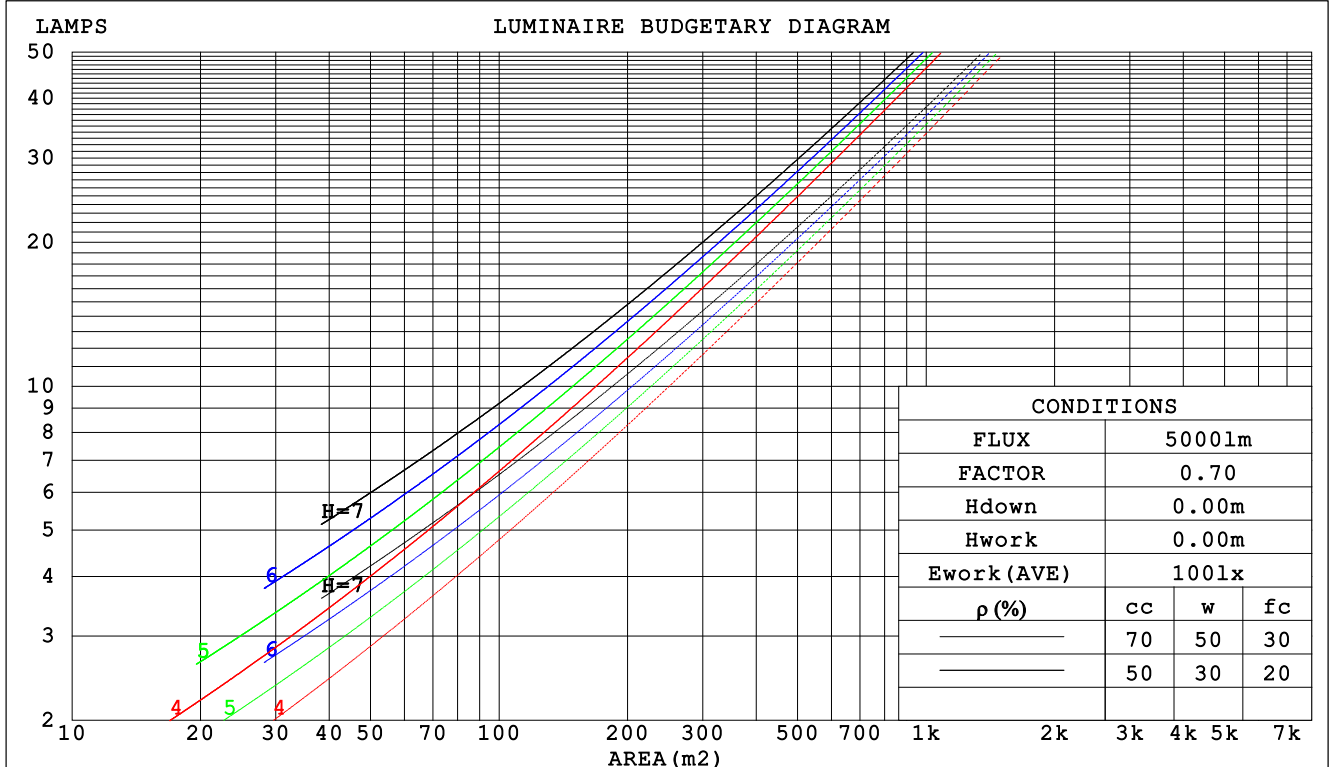
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.03	1.03	1.03	.93	.93	.93	.75	.75	.75	.58	.58	.58	.42	.42	.42	.35
1.0	.91	.88	.85	.83	.80	.77	.67	.65	.63	.52	.51	.50	.38	.38	.37	.31
2.0	.81	.75	.71	.74	.69	.65	.60	.57	.54	.47	.45	.43	.35	.34	.33	.28
3.0	.72	.66	.60	.66	.60	.56	.54	.50	.47	.43	.40	.38	.32	.31	.29	.25
4.0	.65	.58	.52	.59	.53	.48	.49	.44	.41	.39	.36	.34	.30	.28	.26	.22
5.0	.58	.51	.46	.53	.47	.42	.44	.40	.36	.35	.32	.30	.27	.25	.24	.20
6.0	.53	.46	.40	.48	.42	.38	.40	.36	.32	.33	.29	.27	.25	.23	.22	.19
7.0	.48	.41	.36	.44	.38	.34	.37	.32	.29	.30	.27	.24	.24	.22	.20	.17
8.0	.44	.37	.32	.41	.34	.30	.34	.29	.26	.28	.25	.22	.22	.20	.18	.16
9.0	.40	.34	.29	.37	.31	.27	.32	.27	.24	.26	.23	.20	.21	.19	.17	.15
10.0	.37	.31	.26	.35	.29	.25	.29	.25	.22	.24	.21	.19	.19	.17	.16	.14



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

WEC AND CCEC

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Wall Exitance Coefficients(WEC)
0.0						
1.0	.250 .142 .045	.223 .127 .040	.173 .099 .032	.127 .073 .024	.085 .049 .016	
2.0	.231 .127 .039	.207 .114 .035	.162 .090 .028	.120 .067 .021	.081 .046 .014	
3.0	.214 .114 .034	.192 .103 .031	.151 .082 .025	.112 .061 .019	.076 .042 .013	
4.0	.199 .104 .030	.179 .094 .028	.141 .075 .022	.105 .056 .017	.072 .039 .012	
5.0	.186 .095 .027	.167 .086 .025	.132 .069 .020	.099 .052 .015	.068 .036 .011	
6.0	.174 .087 .025	.156 .079 .023	.124 .063 .018	.093 .048 .014	.064 .034 .010	
7.0	.163 .080 .023	.147 .073 .021	.116 .059 .017	.088 .045 .013	.061 .032 .009	
8.0	.153 .075 .021	.138 .068 .019	.110 .055 .016	.083 .042 .012	.058 .030 .009	
9.0	.144 .070 .019	.130 .064 .018	.104 .051 .015	.079 .039 .011	.055 .028 .008	
10.0	.136 .065 .018	.123 .060 .017	.098 .048 .014	.075 .037 .011	.053 .026 .008	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Ceiling Cavity Exitance Coefficients(CCEC)
0.0	.689 .689 .689	.589 .589 .589	.402 .402 .402	.231 .231 .231	.074 .074 .074	
1.0	.679 .659 .642	.581 .566 .552	.397 .389 .382	.229 .225 .222	.073 .072 .072	
2.0	.670 .638 .611	.574 .549 .528	.393 .380 .368	.227 .221 .216	.073 .071 .070	
3.0	.662 .622 .591	.568 .537 .512	.390 .373 .359	.225 .218 .212	.072 .071 .069	
4.0	.655 .611 .576	.562 .528 .501	.387 .368 .353	.224 .215 .209	.072 .070 .069	
5.0	.649 .601 .566	.557 .520 .493	.384 .363 .348	.222 .213 .206	.072 .070 .068	
6.0	.643 .594 .559	.552 .514 .487	.381 .360 .344	.221 .212 .205	.071 .069 .068	
7.0	.637 .588 .553	.548 .510 .482	.379 .357 .342	.220 .210 .203	.071 .069 .067	
8.0	.632 .583 .549	.544 .506 .479	.376 .355 .340	.219 .209 .202	.071 .069 .067	
9.0	.627 .579 .546	.540 .502 .476	.374 .353 .338	.218 .208 .202	.071 .068 .067	
10.0	.622 .575 .543	.536 .499 .474	.372 .351 .337	.217 .208 .201	.070 .068 .067	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

Uncorrected UGR Table

NAME: FS0046					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3				
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3				
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
Room dimensions					Viewed crosswise					Viewed endwise				
x = 2H y = 2H					16.5	17.3	17.5	18.2	19.5	15.5	16.2	16.5	17.2	18.5
3H					17.3	17.9	18.3	18.9	20.3	16.7	17.4	17.7	18.4	19.7
4H					17.6	18.2	18.7	19.3	20.6	17.3	17.9	18.3	18.9	20.3
6H					18.3	18.9	19.3	19.9	21.3	17.9	18.5	18.9	19.5	20.9
8H					18.7	19.2	19.7	20.3	21.7	18.0	18.6	19.1	19.6	21.0
12H					19.0	19.5	20.1	20.6	22.0	18.0	18.5	19.0	19.5	20.9
4H 2H					16.5	17.2	17.6	18.2	19.5	15.7	16.3	16.7	17.3	18.7
3H					17.5	18.1	18.6	19.1	20.5	17.2	17.7	18.3	18.8	20.2
4H					18.0	18.5	19.1	19.6	21.0	18.0	18.4	19.1	19.5	20.9
6H					18.9	19.3	20.0	20.4	21.9	18.8	19.2	19.9	20.2	21.7
8H					19.5	19.9	20.6	20.9	22.4	18.9	19.3	20.0	20.4	21.9
12H					20.0	20.3	21.1	21.4	22.9	18.9	19.2	20.0	20.3	21.8
8H 4H					18.2	18.5	19.3	19.6	21.1	18.1	18.5	19.2	19.6	21.0
6H					19.2	19.5	20.3	20.6	22.1	19.2	19.5	20.3	20.6	22.1
8H					19.9	20.1	21.0	21.3	22.8	19.4	19.7	20.6	20.8	22.3
12H					20.6	20.8	21.7	21.9	23.4	19.4	19.6	20.5	20.7	22.3
12H 4H					18.2	18.5	19.3	19.6	21.1	18.1	18.4	19.2	19.5	21.0
6H					19.3	19.5	20.4	20.6	22.2	19.2	19.5	20.3	20.6	22.1
8H					20.0	20.2	21.1	21.3	22.9	19.5	19.7	20.7	20.9	22.4
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.6					+ 0.2 / - 0.2				
1.5H					+ 1.2 / - 0.5					+ 0.2 / - 0.2				
2.0H					+ 0.2 / - 0.3					+ 0.3 / - 0.3				

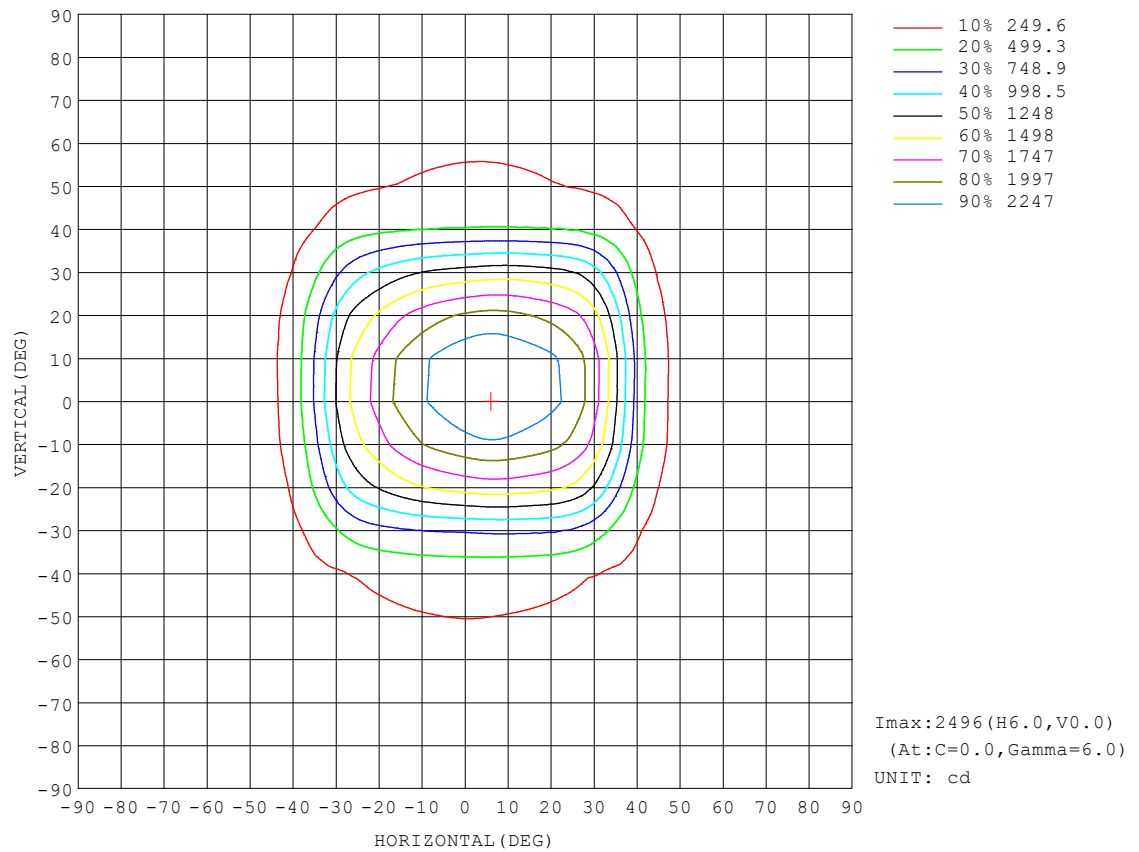
CIE Pub.117 Corrected 8615 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.5)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.100m [K=1.2346]
Remarks:

ISOCANDELA DIAGRAM

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

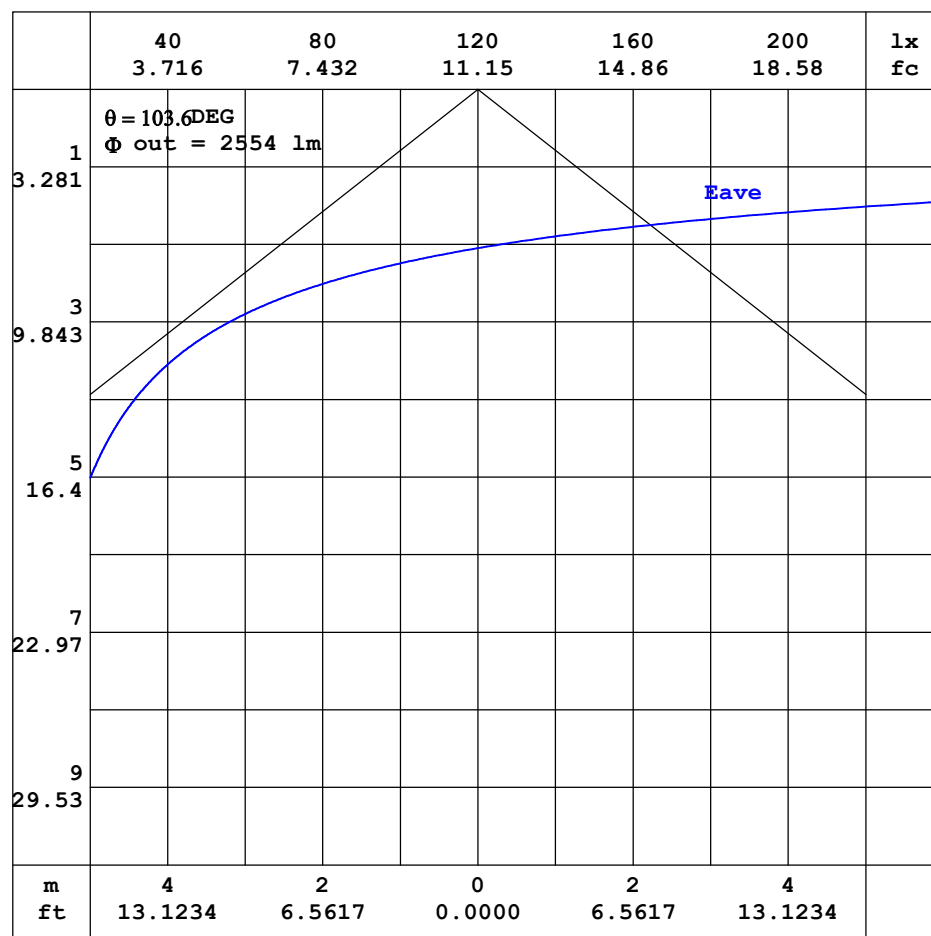


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

AAI CURVES

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



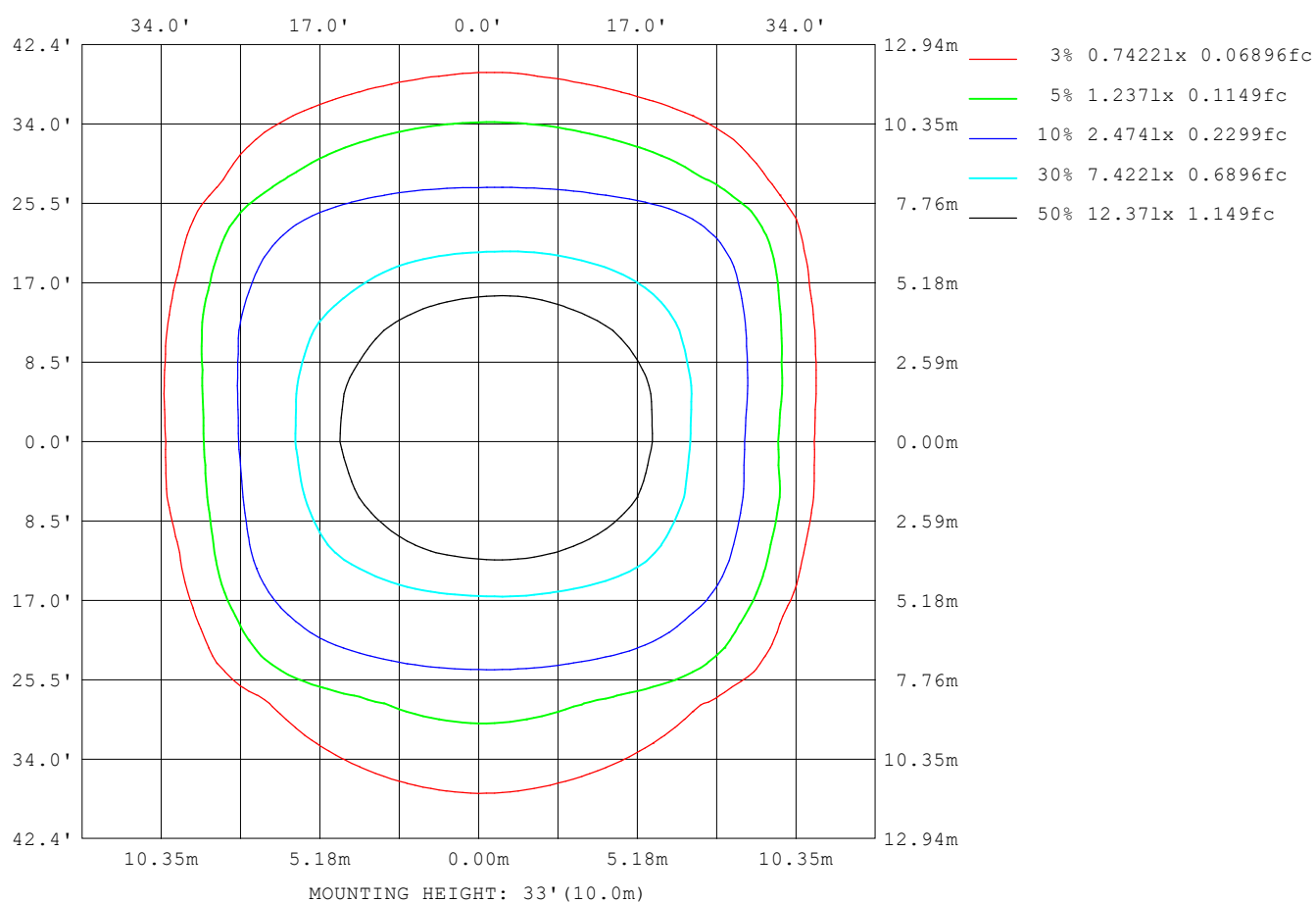
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.2346]
 Remarks:

ISOLUX DIAGRAM

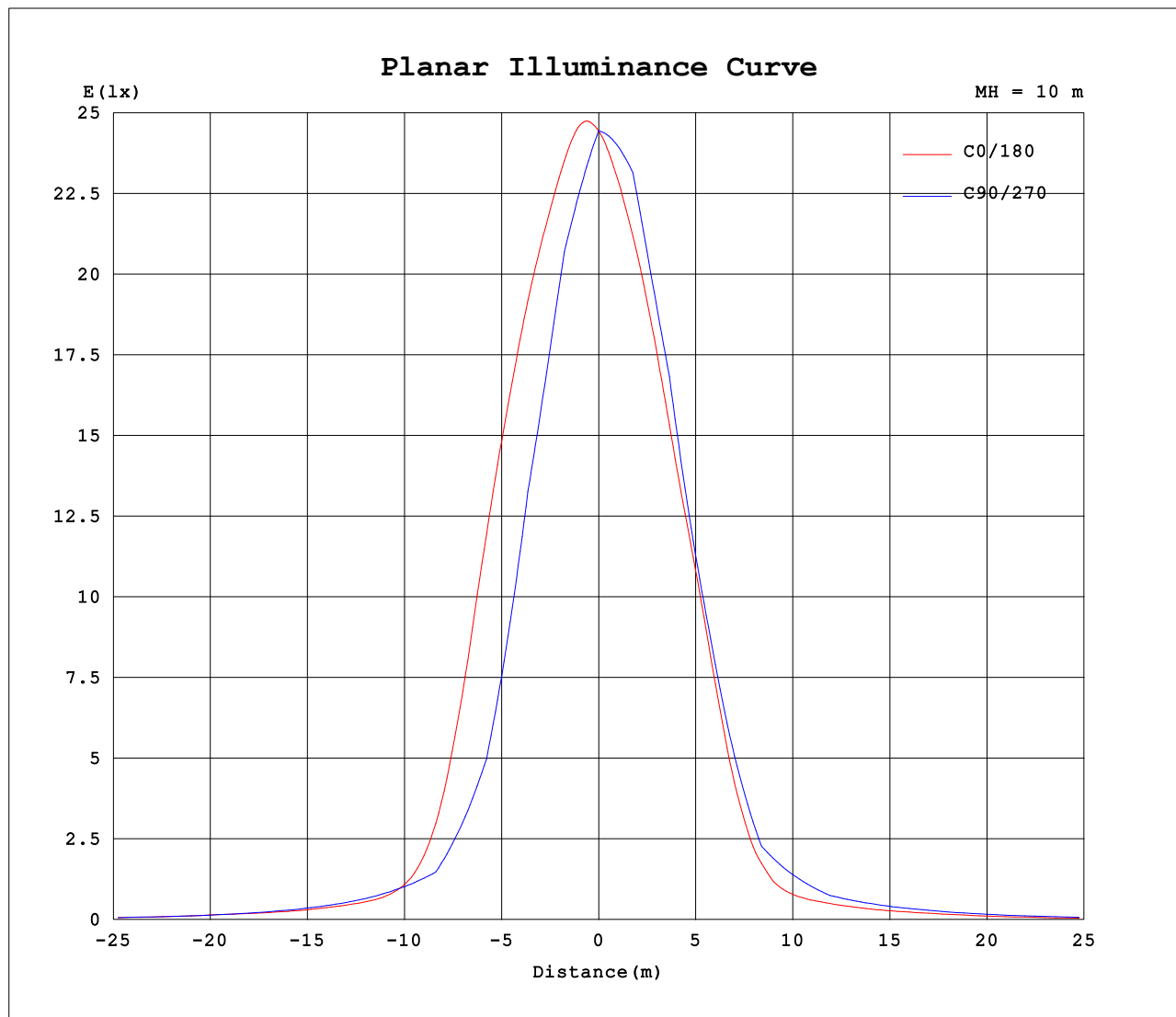
NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.100m [K=1.2346]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.100m [K=1.2346]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444
5	2496	2484	2471	2459	2447	2434	2423	2411	2400	2388	2378	2367	2356	2347	2337	2328	2320	2312	2306
10	2462	2440	2418	2398	2379	2361	2343	2327	2311	2297	2281	2267	2252	2236	2221	2207	2193	2179	2167
15	2396	2364	2333	2304	2277	2253	2231	2211	2193	2154	2112	2074	2038	2005	1975	1946	1921	1900	1883
20	2312	2270	2231	2196	2164	2135	2099	2032	1970	1913	1861	1814	1773	1735	1702	1670	1642	1617	1599
25	2145	2100	2063	2034	2008	1956	1883	1811	1741	1674	1610	1529	1450	1382	1324	1274	1233	1202	1184
30	1841	1802	1781	1776	1748	1686	1625	1565	1493	1375	1261	1156	1062	982	914	857	813	783	770
35	1285	1263	1276	1313	1296	1283	1272	1216	1121	1010	895	782	718	668	629	598	573	557	549
40	663	665	702	734	762	795	804	782	720	651	603	545	488	438	398	368	346	334	329
45	309	315	346	355	370	400	423	418	430	413	369	310	286	288	289	290	291	291	291
50	213	216	219	221	224	233	238	255	258	229	238	244	247	249	250	250	252	253	253
55	190	191	192	193	194	195	192	192	193	198	204	209	214	219	221	222	222	222	221
60	174	175	173	172	172	169	166	166	168	172	179	188	198	202	200	196	193	191	190
65	154	153	151	152	148	146	142	142	142	146	154	166	172	172	166	160	157	154	153
70	113	111	111	113	114	116	113	112	115	119	122	125	127	129	125	121	119	117	117
75	81.6	81.2	83.8	85.1	85.7	84.0	82.3	85.3	88.6	90.6	91.3	92.4	95.3	99.0	98.8	97.1	95.8	93.7	93.1
80	84.5	84.8	87.3	84.7	74.3	64.2	61.5	64.3	67.1	69.0	70.8	72.6	75.1	77.0	76.8	75.0	73.1	70.2	69.5
85	52.5	52.9	56.5	55.9	49.3	43.4	42.6	36.1	29.5	23.4	18.5	14.3	10.7	7.49	4.74	2.58	1.11	0.27	0.00
90	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	57.9	65.3	66.6	47.2	45.8	38.6	28.3	22.8	17.9	14.1	11.0	8.42	6.15	4.23	2.69	1.51	0.67	0.17	0.00
100	195	222	234	244	238	185	126	116	105	94.4	84.8	76.1	66.9	59.4	53.4	49.2	46.1	44.4	43.7
105	392	422	459	466	482	491	467	394	314	234	191	181	168	158	148	142	134	129	125
110	612	646	686	708	716	728	731	730	721	663	592	518	450	386	329	283	243	219	206
115	841	875	898	933	944	955	966	984	983	988	986	970	914	858	810	765	721	699	690
120	1050	1092	1114	1146	1178	1179	1192	1197	1213	1227	1219	1220	1223	1217	1212	1201	1180	1175	1174
125	1257	1287	1313	1338	1353	1373	1379	1397	1410	1416	1430	1456	1460	1444	1431	1419	1405	1399	1399
130	1426	1447	1475	1495	1516	1538	1568	1577	1586	1599	1612	1629	1629	1622	1621	1623	1623	1622	1624
135	1586	1604	1634	1647	1673	1697	1723	1746	1746	1757	1775	1785	1774	1762	1760	1764	1762	1759	1759
140	1731	1751	1782	1806	1825	1849	1860	1870	1888	1904	1904	1898	1888	1884	1890	1898	1898	1894	1894
145	1873	1889	1912	1937	1943	1955	1971	1981	1990	1999	2005	2004	1996	1994	1998	2002	2001	1998	1997
150	1973	1983	1996	2013	2025	2035	2049	2065	2080	2080	2078	2076	2078	2084	2091	2098	2101	2100	2101
155	2043	2052	2064	2079	2097	2110	2119	2127	2135	2142	2147	2147	2147	2149	2153	2157	2160	2160	2162
160	2116	2123	2132	2143	2155	2168	2178	2179	2180	2182	2185	2189	2193	2200	2207	2213	2218	2220	2223
165	2174	2177	2181	2186	2191	2197	2203	2209	2216	2218	2220	2223	2226	2231	2235	2240	2244	2246	2248
170	2203	2205	2207	2210	2213	2217	2220	2225	2229	2234	2239	2244	2249	2255	2261	2266	2269	2272	2274
175	2224	2226	2227	2229	2230	2232	2234	2237	2239	2241	2244	2246	2249	2251	2253	2255	2256	2257	2258
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444
5	2300	2295	2290	2287	2284	2282	2282	2282	2283	2285	2288	2293	2298	2305	2312	2321	2331	2341	2341
10	2156	2147	2139	2133	2127	2124	2123	2123	2124	2127	2131	2137	2145	2155	2167	2182	2199	2218	2217
15	1872	1865	1863	1867	1875	1888	1903	1922	1944	1962	1962	1965	1971	1981	1996	2014	2037	2064	2063
20	1589	1583	1585	1592	1604	1619	1637	1655	1675	1699	1725	1753	1759	1763	1775	1793	1818	1850	1849
25	1180	1188	1208	1235	1271	1311	1354	1394	1412	1432	1455	1480	1509	1527	1534	1547	1569	1601	1601
30	773	792	822	861	907	957	1011	1067	1126	1186	1210	1221	1226	1232	1226	1217	1226	1254	1260
35	550	560	577	598	624	656	697	765	826	874	900	898	858	819	791	762	754	771	783
40	331	342	359	383	413	449	489	524	543	560	560	538	497	445	409	389	380	389	395
45	290	288	285	282	278	274	288	325	344	335	307	290	263	242	232	231	225	223	228
50	251	249	247	243	239	234	227	218	208	218	209	201	197	192	192	194	191	190	192
55	221	220	219	217	211	201	193	187	180	176	175	174	173	170	168	168	169	169	170
60	191	193	197	199	196	185	172	162	156	152	151	152	151	152	150	150	151	154	155
65	154	156	160	164	166	159	149	139	132	128	126	127	127	124	118	116	115	119	121
70	118	119	120	122	122	118	115	111	107	102	98.4	98.7	96.5	92.2	87.6	84.3	83.5	85.8	87.0
75	94.7	95.5	95.5	95.9	93.8	90.2	87.9	85.5	82.5	78.5	74.3	72.3	73.0	73.8	74.4	73.5	72.5	71.7	71.2
80	71.8	73.2	74.0	75.1	74.4	72.0	69.2	66.7	64.0	60.6	56.1	55.8	60.8	68.4	69.3	65.0	59.7	60.5	64.0
85	0.27	1.11	2.55	4.63	7.28	10.3	13.7	17.6	22.2	27.2	31.4	36.8	40.1	44.5	44.0	39.2	30.6	27.8	35.6
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	0.00
95	0.16	0.66	1.48	2.62	4.05	5.76	7.72	10.0	12.8	16.0	20.0	24.6	24.4	21.5	17.7	21.1	15.1	8.00	15.3
100	43.9	45.1	46.9	49.2	51.4	53.7	55.3	56.6	57.8	57.0	55.3	50.0	96.9	130	129	112	88.1	65.2	55.2
105	121	121	120	118	117	116	113	109	143	217	285	337	348	336	307	283	240	204	189
110	204	220	244	277	320	369	422	478	533	593	602	598	588	556	527	491	441	410	379
115	685	697	722	748	779	817	856	860	849	845	847	830	811	789	757	716	661	630	598
120	1161	1155	1157	1150	1136	1126	1117	1111	1104	1082	1059	1044	1020	1005	968	937	895	868	829
125	1396	1391	1386	1382	1379	1371	1360	1334	1310	1288	1265	1237	1215	1185	1163	1121	1085	1057	1023
130	1628	1620	1603	1584	1568	1553	1534	1513	1498	1477	1453	1430	1399	1374	1341	1303	1270	1250	1215
135	1766	1768	1756	1736	1717	1709	1701	1675	1651	1631	1622	1596	1575	1552	1516	1492	1462	1447	1412
140	1903	1910	1902	1879	1853	1833	1820	1812	1802	1778	1751	1732	1718	1688	1664	1640	1612	1595	1561
145	2004	2011	2012	2000	1981	1960	1942	1923	1909	1893	1879	1864	1833	1810	1794	1769	1749	1736	1708
150	2105	2109	2110	2103	2087	2067	2045	2027	2011	2000	1979	1956	1936	1918	1899	1879	1864	1854	1831
155	2164	2167	2169	2168	2163	2154	2146	2130	2107	2087	2068	2052	2038	2022	2004	1989	1979	1974	1954
160	2224	2225	2223	2220	2214	2206	2195	2184	2172	2160	2149	2141	2126	2112	2099	2090	2083	2079	2062
165	2249	2248	2247	2244	2240	2235	2229	2223	2216	2209	2198	2187	2176	2167	2158	2151	2145	2140	2126
170	2274	2272	2269	2266	2262	2257	2251	2244	2238	2231	2224	2218	2211	2205	2200	2195	2191	2187	2178
175	2258	2258	2257	2256	2255	2254	2252	2250	2248	2246	2244	2241	2239	2237	2235	2233	2231	2230	2225
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.100m [K=1.2346]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444
5	2341	2343	2345	2348	2352	2357	2363	2369	2375	2382	2390	2397	2404	2412	2420	2427	2434	2440	2447
10	2218	2222	2227	2235	2244	2256	2268	2282	2297	2312	2328	2345	2362	2378	2394	2409	2423	2436	2448
15	2065	2071	2082	2097	2115	2135	2158	2159	2156	2156	2159	2164	2172	2182	2194	2209	2226	2245	2266
20	1855	1869	1889	1916	1940	1933	1930	1929	1931	1938	1946	1955	1966	1979	1992	2010	2030	2051	2075
25	1612	1632	1661	1672	1669	1673	1681	1691	1705	1697	1683	1674	1666	1662	1662	1669	1685	1709	1742
30	1286	1331	1368	1388	1408	1425	1430	1410	1396	1382	1370	1356	1346	1335	1330	1329	1340	1363	1400
35	822	886	940	1010	1087	1117	1125	1118	1102	1085	1051	1017	982	953	932	921	924	943	980
40	423	470	534	622	690	745	790	812	795	754	704	654	606	565	533	513	507	519	550
45	240	255	287	333	375	431	482	505	492	446	418	411	404	399	396	395	396	400	408
50	196	200	205	212	224	251	274	276	300	311	308	300	292	287	284	283	285	288	292
55	172	177	179	181	186	190	194	207	215	213	216	224	231	239	245	250	253	255	254
60	157	157	158	160	164	164	165	168	172	178	184	190	198	206	213	218	222	224	224
65	126	130	135	138	139	139	140	143	148	152	156	160	165	170	174	176	177	178	180
70	91.0	96.1	103	109	111	111	114	117	122	126	130	134	135	135	135	134	133	133	135
75	71.3	73.3	76.7	80.0	82.3	83.9	86.4	91.4	96.7	102	105	109	110	110	109	108	107	107	108
80	69.3	71.5	68.7	63.9	60.2	61.7	66.4	71.8	76.1	79.9	82.7	85.6	87.5	85.9	84.7	83.1	80.6	80.3	82.3
85	45.8	51.6	54.5	48.9	43.7	35.1	30.1	25.2	20.2	15.8	11.8	8.34	5.41	2.96	1.29	0.32	0.00	0.30	1.25
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	18.4	19.0	18.1	16.1	13.6	9.69	6.98	5.11	3.68	2.60	1.87	1.24	0.76	0.42	0.19	0.05	0.00	0.05	0.21
100	46.9	28.3	24.6	25.4	25.8	24.2	22.4	20.6	18.8	17.1	16.0	14.8	13.7	13.1	12.9	12.8	13.0	13.4	14.0
105	163	131	69.9	50.3	32.9	33.6	33.8	34.0	33.4	31.7	30.7	29.5	28.4	27.8	27.7	27.7	27.9	28.3	28.8
110	348	319	268	159	118	79.2	40.8	41.0	41.4	41.6	41.9	41.8	41.6	41.8	42.1	42.5	42.8	43.1	43.3
115	570	526	498	439	317	212	175	132	85.6	49.4	49.8	49.9	49.7	49.9	50.3	50.7	51.1	51.4	51.7
120	798	756	715	678	634	513	393	296	260	226	190	154	121	94.0	74.7	63.1	59.4	64.0	77.3
125	991	960	919	888	863	838	743	633	534	443	394	366	338	313	298	292	292	299	313
130	1192	1167	1141	1105	1074	1042	1023	1013	922	841	761	686	622	571	539	525	524	538	566
135	1390	1355	1330	1292	1261	1244	1227	1220	1218	1216	1165	1090	1031	987	960	949	952	969	997
140	1537	1512	1487	1474	1451	1434	1428	1426	1410	1395	1378	1364	1357	1357	1360	1367	1379	1393	1405
145	1687	1674	1651	1636	1631	1615	1601	1590	1578	1566	1548	1536	1528	1526	1527	1533	1544	1557	1570
150	1813	1802	1790	1778	1770	1765	1758	1739	1722	1706	1695	1689	1687	1688	1692	1698	1708	1720	1731
155	1940	1930	1924	1915	1900	1887	1876	1864	1854	1842	1831	1824	1822	1822	1825	1830	1836	1844	1855
160	2047	2034	2024	2015	2006	1989	1974	1962	1954	1949	1946	1946	1948	1952	1956	1960	1964	1969	1975
165	2113	2102	2091	2083	2075	2069	2066	2059	2054	2050	2048	2047	2048	2049	2051	2053	2055	2057	2060
170	2170	2162	2156	2150	2146	2142	2140	2138	2137	2137	2138	2140	2141	2142	2143	2144	2145	2145	2146
175	2221	2217	2213	2210	2207	2205	2203	2201	2199	2198	2197	2196	2195	2195	2194	2194	2194	2193	2193
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0046	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444	2444				
5	2453	2459	2464	2469	2474	2478	2481	2484	2486	2488	2490	2491	2493	2494	2495				
10	2459	2467	2473	2478	2480	2481	2480	2477	2474	2471	2468	2465	2463	2462	2462				
15	2288	2309	2330	2351	2371	2391	2413	2429	2420	2412	2405	2400	2397	2395	2395				
20	2098	2120	2140	2159	2178	2200	2227	2257	2293	2333	2333	2324	2316	2311	2310				
25	1780	1820	1862	1907	1958	2006	2036	2070	2105	2143	2182	2194	2172	2155	2146				
30	1443	1488	1536	1588	1648	1714	1784	1856	1889	1913	1935	1953	1931	1884	1853				
35	1030	1091	1162	1248	1344	1416	1486	1551	1602	1613	1567	1514	1469	1377	1312				
40	597	659	737	832	940	1055	1163	1199	1182	1128	1049	933	841	762	693				
45	417	430	447	469	533	649	739	773	743	646	547	463	394	361	322				
50	299	310	325	345	366	378	370	408	386	328	277	251	234	223	216				
55	252	248	243	237	240	255	255	237	221	213	202	201	202	194	191				
60	222	218	211	202	195	190	186	185	183	183	180	178	175	175	175				
65	180	180	176	168	162	160	158	155	154	156	159	161	161	159	157				
70	137	140	141	137	134	132	130	128	126	128	133	129	124	118	116				
75	110	112	113	110	107	104	101	98.6	95.7	94.0	94.1	92.9	89.1	85.8	83.5				
80	84.0	87.0	87.7	84.8	82.8	81.1	78.5	74.9	69.9	66.2	67.0	71.9	81.1	84.9	85.4				
85	2.89	5.37	8.51	12.0	16.2	21.4	27.1	33.4	39.8	46.7	46.7	55.9	61.9	58.5	55.8				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.48	0.89	1.47	2.29	3.43	4.96	6.95	9.65	13.4	18.5	21.7	24.8	27.9	28.4	41.0				
100	14.7	15.8	17.1	18.8	21.0	23.3	25.7	28.2	30.9	33.9	34.9	35.4	56.4	111	162				
105	29.5	30.6	32.0	33.9	36.1	38.4	40.2	40.7	41.5	42.7	74.6	124	232	303	360				
110	43.6	44.0	44.7	45.6	46.6	47.4	48.1	48.7	102	162	234	385	476	530	583				
115	52.0	52.6	53.3	54.2	55.0	101	158	215	274	406	564	652	703	757	810				
120	98.4	127	165	209	259	311	359	464	608	758	829	886	934	982	1026				
125	331	355	389	431	497	610	732	858	966	1000	1046	1088	1138	1181	1221				
130	603	651	716	798	894	1005	1131	1162	1192	1231	1257	1295	1332	1372	1397				
135	1033	1077	1132	1203	1261	1285	1314	1350	1395	1421	1452	1486	1510	1547	1560				
140	1412	1414	1417	1426	1443	1464	1490	1515	1541	1575	1610	1637	1667	1692	1707				
145	1578	1585	1592	1604	1620	1633	1647	1668	1694	1721	1743	1772	1806	1823	1844				
150	1738	1742	1745	1750	1758	1770	1788	1812	1828	1845	1867	1894	1915	1930	1949				
155	1863	1870	1876	1883	1892	1901	1908	1918	1931	1948	1967	1984	1994	2008	2024				
160	1981	1986	1990	1994	1998	2004	2012	2022	2034	2048	2056	2063	2073	2085	2099				
165	2064	2069	2074	2080	2088	2096	2104	2113	2116	2120	2126	2133	2141	2151	2162				
170	2147	2147	2148	2150	2152	2154	2157	2160	2164	2168	2172	2177	2183	2189	2196				
175	2194	2194	2195	2195	2196	2197	2199	2201	2203	2205	2208	2211	2214	2217	2221				
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.100m [K=1.2346]
Remarks: