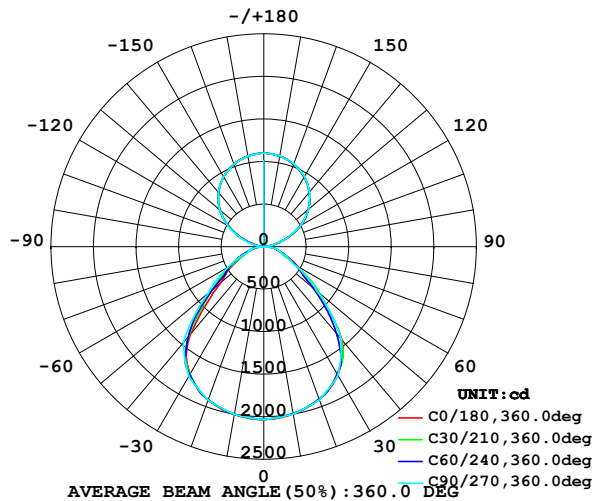


LUMINAIRE PHOTOMETRIC TEST REPORT

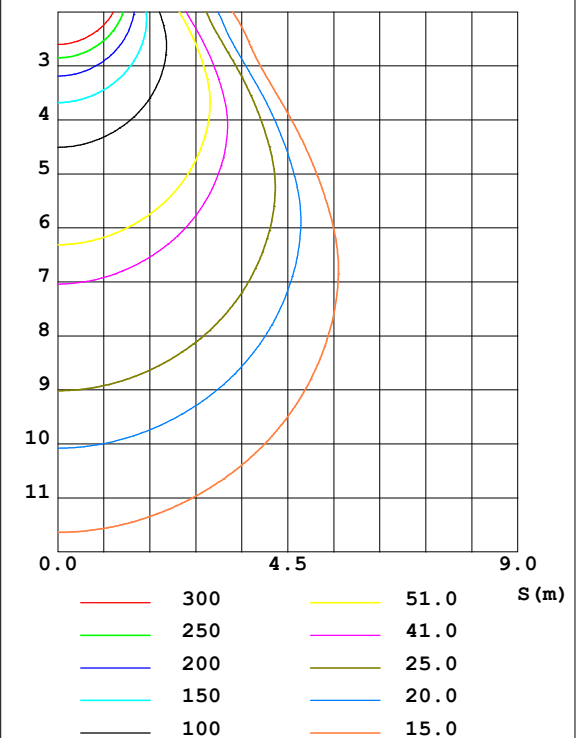
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.99 lm/W			
MODEL	2835	I _{max} (cd)	2032	S/MH (C0/180)	1.27
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	7636.0	η UP, DN (C0-180)	20.4, 29.4
NOMINAL FLUX (lm)	7636.02	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	20.2, 29.9
LAMPS INSIDE	1	η up (%)	40.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	59.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-05

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	2022	2015	2014	2017	2025	2018	2017	2017	0- 5	48.37	48.37	0.63,0.63
10	1998	1990	1997	1994	2004	1997	2003	1995	5- 10	143.5	191.9	2.51,2.51
15	1960	1957	1956	1961	1969	1965	1960	1961	10- 15	234.6	426.5	5.59,5.59
20	1910	1901	1914	1905	1918	1909	1917	1905	15- 20	318.8	745.3	9.76,9.76
25	1839	1836	1830	1835	1842	1841	1839	1838	20- 25	393.0	1138	14.9,14.9
30	1741	1732	1747	1721	1734	1739	1760	1739	25- 30	452.2	1590	20.8,20.8
35	1611	1594	1581	1556	1588	1600	1616	1610	30- 35	491.3	2082	27.3,27.3
40	1425	1408	1415	1328	1334	1418	1472	1442	35- 40	499.0	2581	33.8,33.8
45	1108	1089	1119	1016	957.1	1107	1163	1129	40- 45	458.8	3039	39.8,39.8
50	759.5	811.4	823.1	769.1	665.2	841.6	855.3	815.5	45- 50	377.4	3417	44.7,44.7
55	556.0	637.9	614.6	611.0	537.1	647.9	667.9	639.0	50- 55	301.3	3718	48.7,48.7
60	458.3	465.9	406.0	452.2	399.9	450.2	480.5	478.0	55- 60	241.7	3960	51.9,51.9
65	336.5	352.1	314.7	345.1	291.8	310.5	340.7	369.0	60- 65	187.0	4147	54.3,54.3
70	240.3	258.9	223.4	256.1	212.4	216.0	201.0	268.7	65- 70	142.7	4290	56.2,56.2
75	169.5	188.1	181.9	176.3	154.6	184.1	172.2	180.6	70- 75	108.1	4398	57.6,57.6
80	138.2	131.4	140.4	121.6	94.82	124.0	143.4	116.2	75- 80	81.74	4479	58.7,58.7
85	74.89	40.62	0	37.64	20.13	35.37	0	32.54	80- 85	45.08	4525	59.3,59.3
90	9.876	0	0	0	4.206	0	0	0	85- 90	5.156	4530	59.3,59.3
95	26.02	13.80	0	14.34	3.335	12.98	0.0000	14.39	90- 95	1.489	4531	59.3,59.3
100	90.05	79.42	74.57	79.03	47.73	75.09	71.14	81.71	95-100	21.71	4553	59.6,59.6
105	185.2	164.0	171.6	160.0	132.0	154.4	168.7	166.8	100-105	62.81	4616	60.4,60.4
110	293.4	274.2	268.7	266.5	238.0	259.0	266.3	275.0	105-110	111.9	4728	61.9,61.9
115	401.1	387.0	384.1	377.9	349.3	366.9	376.4	384.1	110-115	163.3	4891	64,64
120	509.3	500.2	499.5	492.3	468.3	477.7	486.4	494.9	115-120	211.3	5102	66.8,66.8
125	604.0	595.1	594.1	590.7	577.7	579.9	583.3	592.0	120-125	249.6	5352	70.1,70.1
130	690.1	686.7	688.7	685.1	671.6	678.0	680.3	684.7	125-130	276.6	5628	73.7,73.7
135	767.0	763.1	764.1	761.9	755.5	755.2	756.8	761.1	130-135	291.4	5920	77.5,77.5
140	834.2	837.0	839.5	835.5	830.2	829.6	833.2	834.4	135-140	295.1	6215	81.4,81.4
145	896.1	895.5	897.2	896.2	895.2	890.5	891.6	892.5	140-145	288.1	6503	85.2,85.2
150	949.3	949.3	955.0	951.4	950.1	946.6	949.9	946.2	145-150	271.5	6774	88.7,88.7
155	993.1	994.8	995.9	997.8	996.7	992.8	991.2	992.0	150-155	245.8	7020	91.9,91.9
160	1030	1031	1037	1033	1034	1029	1033	1028	155-160	212.4	7233	94.7,94.7
165	1061	1062	1061	1063	1063	1061	1058	1061	160-165	172.3	7405	97,97
170	1083	1081	1085	1082	1084	1080	1083	1080	165-170	127.0	7532	98.6,98.6
175	1096	1093	1093	1093	1097	1093	1092	1092	170-175	77.79	7610	99.7,99.7
180	1101	1101	1101	1101	1101	1101	1101	1101	175-180	26.21	7636	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

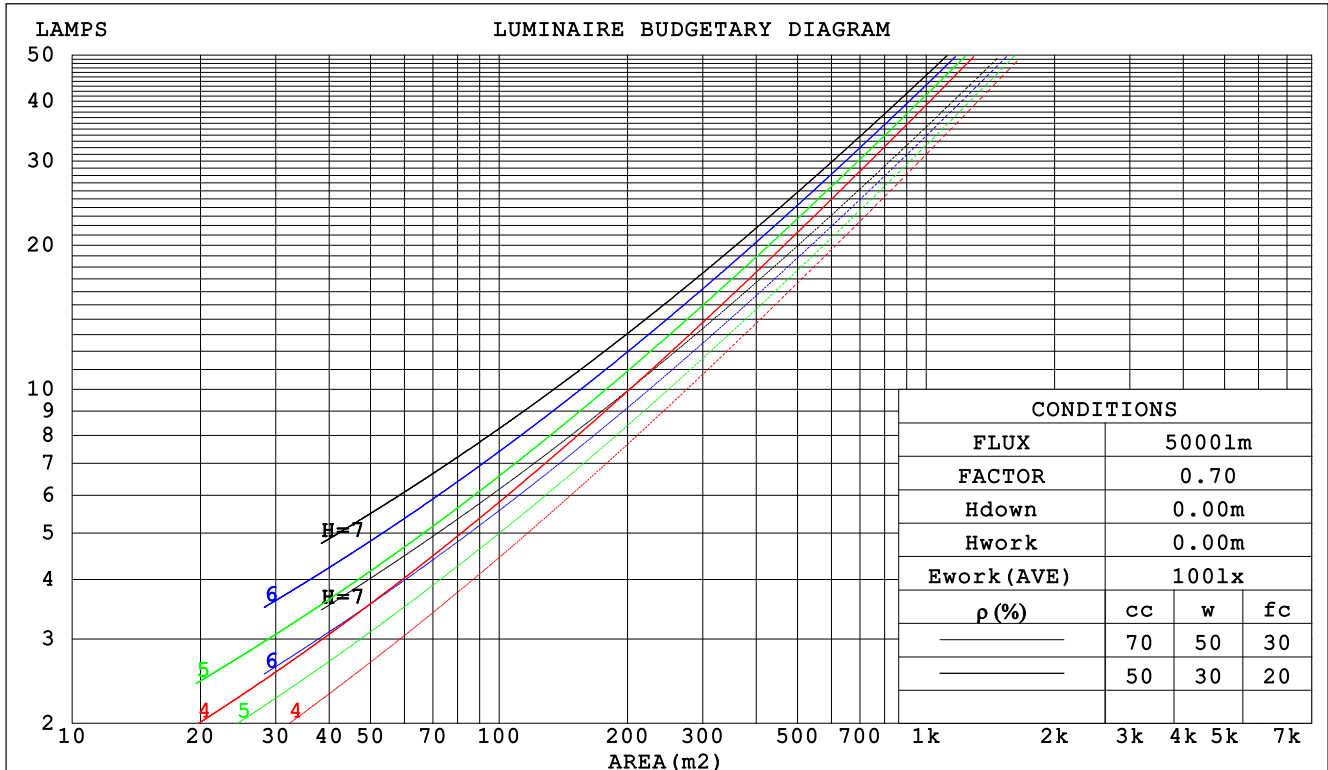
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.02	1.02	1.02	.89	.89	.89	.76	.76	.76	.65	.65	.65	.59
1.0	.97	.93	.90	.90	.87	.84	.79	.76	.74	.68	.67	.65	.58	.57	.56	.52
2.0	.85	.79	.75	.80	.75	.71	.70	.66	.63	.61	.58	.56	.52	.50	.49	.44
3.0	.76	.69	.63	.71	.65	.60	.62	.58	.54	.54	.51	.48	.47	.44	.42	.39
4.0	.68	.60	.54	.64	.57	.52	.56	.51	.47	.49	.45	.42	.43	.40	.37	.34
5.0	.61	.53	.47	.57	.50	.45	.51	.45	.41	.44	.40	.37	.39	.35	.33	.30
6.0	.55	.47	.41	.52	.45	.39	.46	.40	.36	.40	.36	.33	.35	.32	.29	.27
7.0	.50	.42	.36	.47	.40	.35	.42	.36	.32	.37	.32	.29	.32	.29	.26	.24
8.0	.45	.38	.32	.43	.36	.31	.38	.33	.29	.34	.29	.26	.30	.26	.24	.21
9.0	.41	.34	.29	.39	.33	.28	.35	.30	.26	.31	.27	.24	.28	.24	.21	.19
10.0	.38	.31	.26	.36	.30	.25	.33	.27	.23	.29	.25	.21	.26	.22	.20	.18



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

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	.263	.150	.047	.244	.139	.044	.208	.119	.038	.175	.101	.032	.144	.084	.027		
2.0	.247	.135	.042	.230	.127	.039	.197	.110	.034	.167	.094	.029	.139	.079	.025		
3.0	.230	.123	.037	.215	.115	.035	.185	.100	.030	.157	.086	.026	.132	.073	.023		
4.0	.215	.112	.033	.200	.105	.031	.173	.092	.027	.148	.079	.024	.124	.067	.021		
5.0	.200	.102	.030	.187	.096	.028	.162	.084	.025	.139	.073	.022	.117	.062	.019		
6.0	.187	.094	.027	.175	.088	.025	.152	.078	.023	.130	.068	.020	.110	.058	.017		
7.0	.175	.087	.025	.164	.082	.023	.143	.072	.021	.123	.063	.018	.104	.054	.016		
8.0	.165	.081	.023	.154	.076	.021	.135	.067	.019	.116	.059	.017	.098	.051	.015		
9.0	.155	.075	.021	.146	.071	.020	.127	.063	.018	.110	.055	.016	.093	.047	.014		
10.0	.147	.070	.020	.138	.067	.019	.120	.059	.017	.104	.052	.015	.089	.045	.013		

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	.500	.500	.500	.428	.428	.428	.292	.292	.292	.168	.168	.168	.054	.054	.054	
1.0	.490	.469	.451	.419	.403	.388	.287	.277	.268	.165	.160	.156	.053	.052	.050	
2.0	.481	.447	.418	.412	.385	.361	.282	.266	.252	.163	.155	.148	.052	.050	.048	
3.0	.473	.430	.396	.406	.371	.343	.278	.258	.241	.161	.151	.142	.052	.049	.047	
4.0	.466	.418	.381	.400	.361	.331	.275	.252	.233	.159	.147	.138	.051	.048	.045	
5.0	.459	.408	.370	.394	.353	.322	.272	.247	.228	.157	.145	.135	.051	.047	.044	
6.0	.453	.400	.363	.389	.347	.316	.269	.243	.223	.156	.143	.133	.050	.047	.044	
7.0	.447	.394	.357	.385	.342	.311	.266	.240	.220	.154	.141	.131	.050	.046	.043	
8.0	.442	.389	.353	.380	.337	.307	.263	.237	.218	.153	.140	.130	.049	.046	.043	
9.0	.436	.384	.349	.376	.334	.305	.260	.234	.216	.152	.138	.129	.049	.045	.043	
10.0	.431	.380	.346	.372	.330	.302	.258	.232	.215	.150	.137	.128	.049	.045	.042	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-06-05

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: FS2012					TYPE:					SERIAL No.:				
SPEC.:					DIM.:					PROTECTION ANGLE:				
MFR.: EVERFINE														
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					15.7	16.7	16.5	17.4	18.4	15.6	16.5	16.3	17.3	18.2
3H					16.5	17.4	17.3	18.2	19.1	16.3	17.2	17.1	18.0	18.9
4H					16.9	17.7	17.7	18.5	19.4	16.7	17.5	17.5	18.3	19.3
6H					17.2	17.9	18.0	18.8	19.8	17.1	17.8	17.9	18.6	19.7
8H					17.4	18.1	18.2	18.9	19.9	17.1	17.9	18.0	18.7	19.7
12H					17.4	18.1	18.3	19.0	20.0	17.1	17.8	17.9	18.6	19.6
4H 2H					15.8	16.6	16.6	17.4	18.4	15.7	16.6	16.5	17.4	18.3
3H					16.8	17.5	17.6	18.3	19.3	16.7	17.4	17.5	18.2	19.2
4H					17.3	17.9	18.1	18.8	19.8	17.2	17.8	18.1	18.7	19.7
6H					17.8	18.3	18.7	19.2	20.3	17.7	18.2	18.6	19.1	20.2
8H					18.0	18.5	18.9	19.4	20.5	17.8	18.3	18.7	19.2	20.3
12H					18.2	18.6	19.1	19.5	20.7	17.7	18.2	18.7	19.1	20.2
8H 4H					17.4	17.9	18.3	18.8	19.9	17.3	17.8	18.2	18.7	19.8
6H					18.1	18.5	19.0	19.4	20.6	18.0	18.4	18.9	19.3	20.4
8H					18.4	18.8	19.4	19.7	20.9	18.1	18.5	19.1	19.4	20.6
12H					18.7	19.0	19.6	19.9	21.1	18.1	18.4	19.0	19.3	20.5
12H 4H					17.4	17.8	18.3	18.7	19.9	17.3	17.7	18.2	18.6	19.8
6H					18.1	18.5	19.1	19.4	20.6	18.0	18.3	18.9	19.3	20.5
8H					18.5	18.8	19.5	19.8	21.0	18.2	18.5	19.1	19.4	20.6
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.5					+ 0.4 / - 0.4				
1.5H					+ 0.2 / - 0.5					+ 0.2 / - 0.3				
2.0H					+ 0.7 / - 0.7					+ 0.8 / - 0.8				

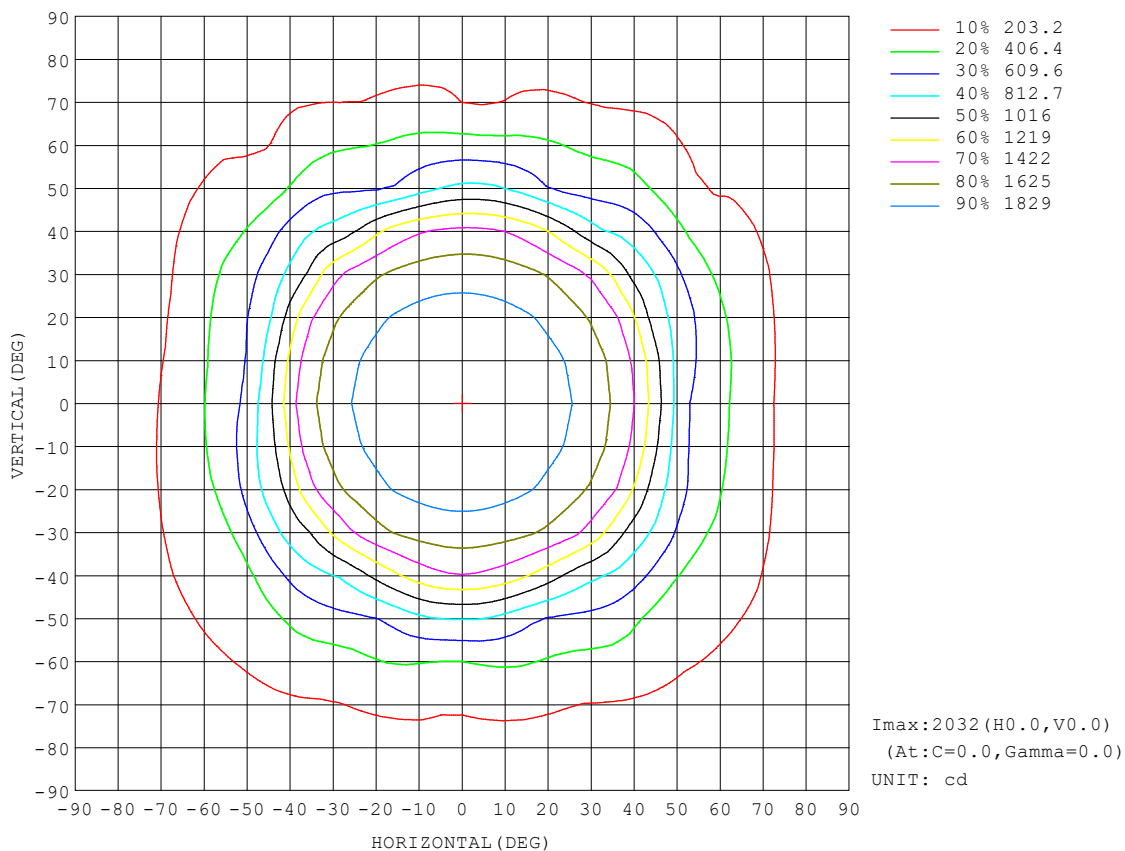
CIE Pub.117 Corrected 7636 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

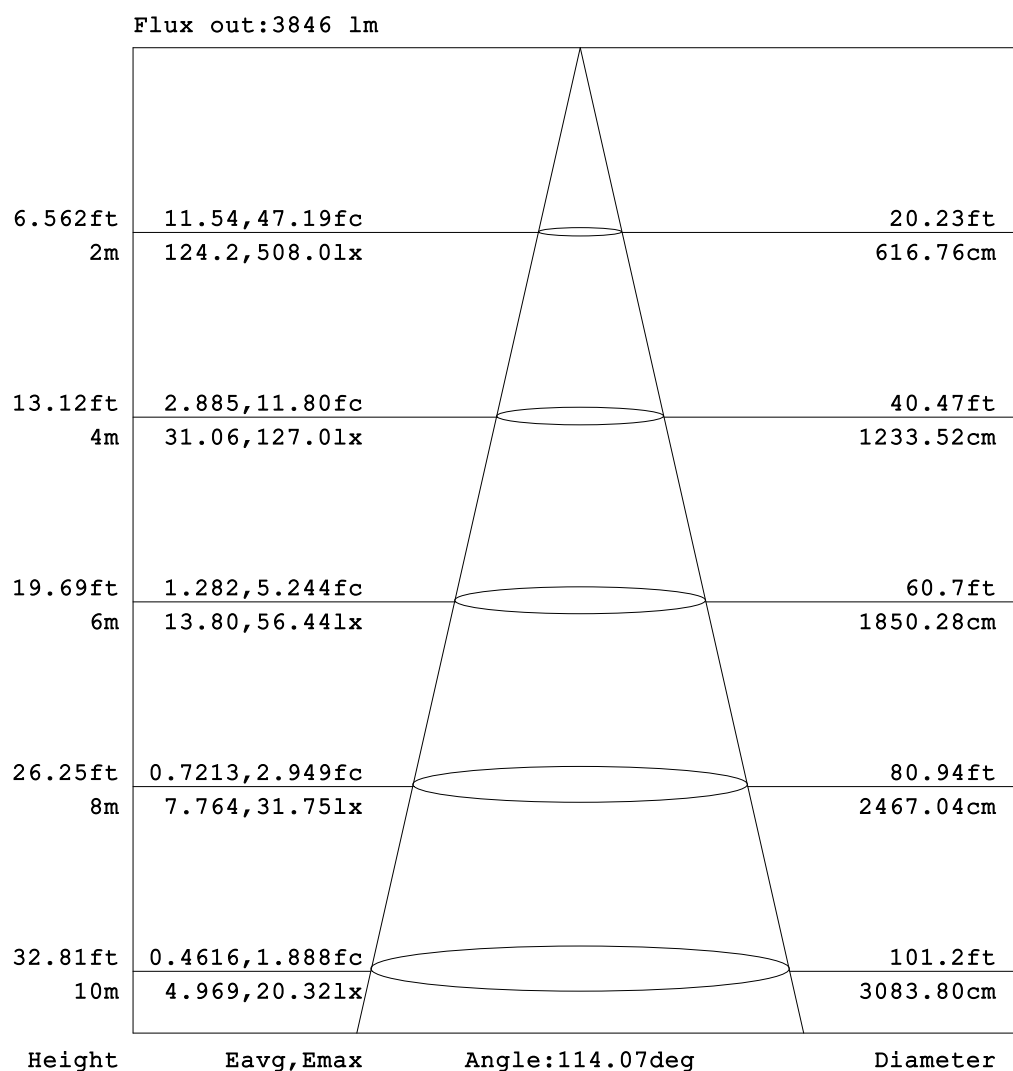


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-05

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 Figure

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



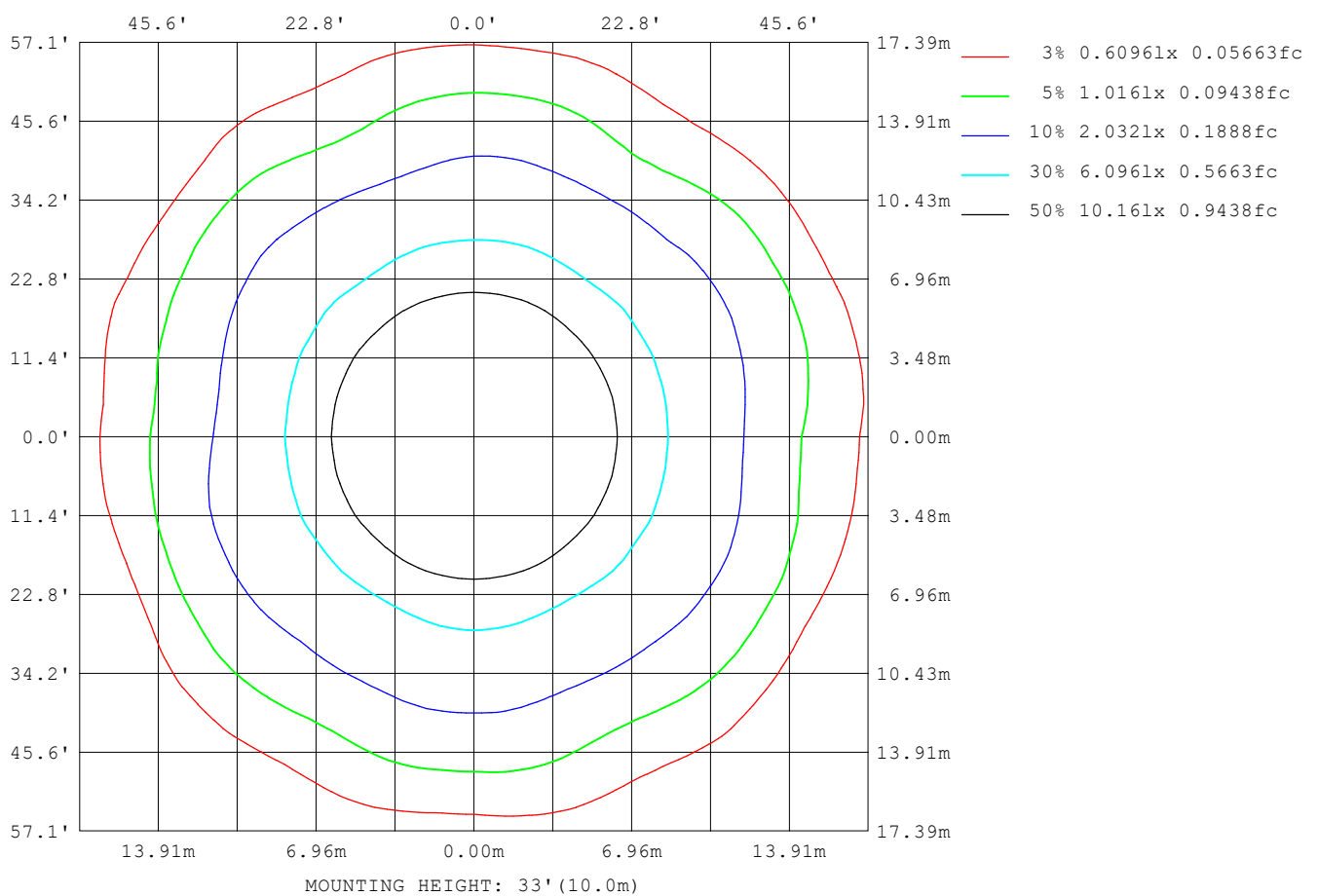
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-05

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

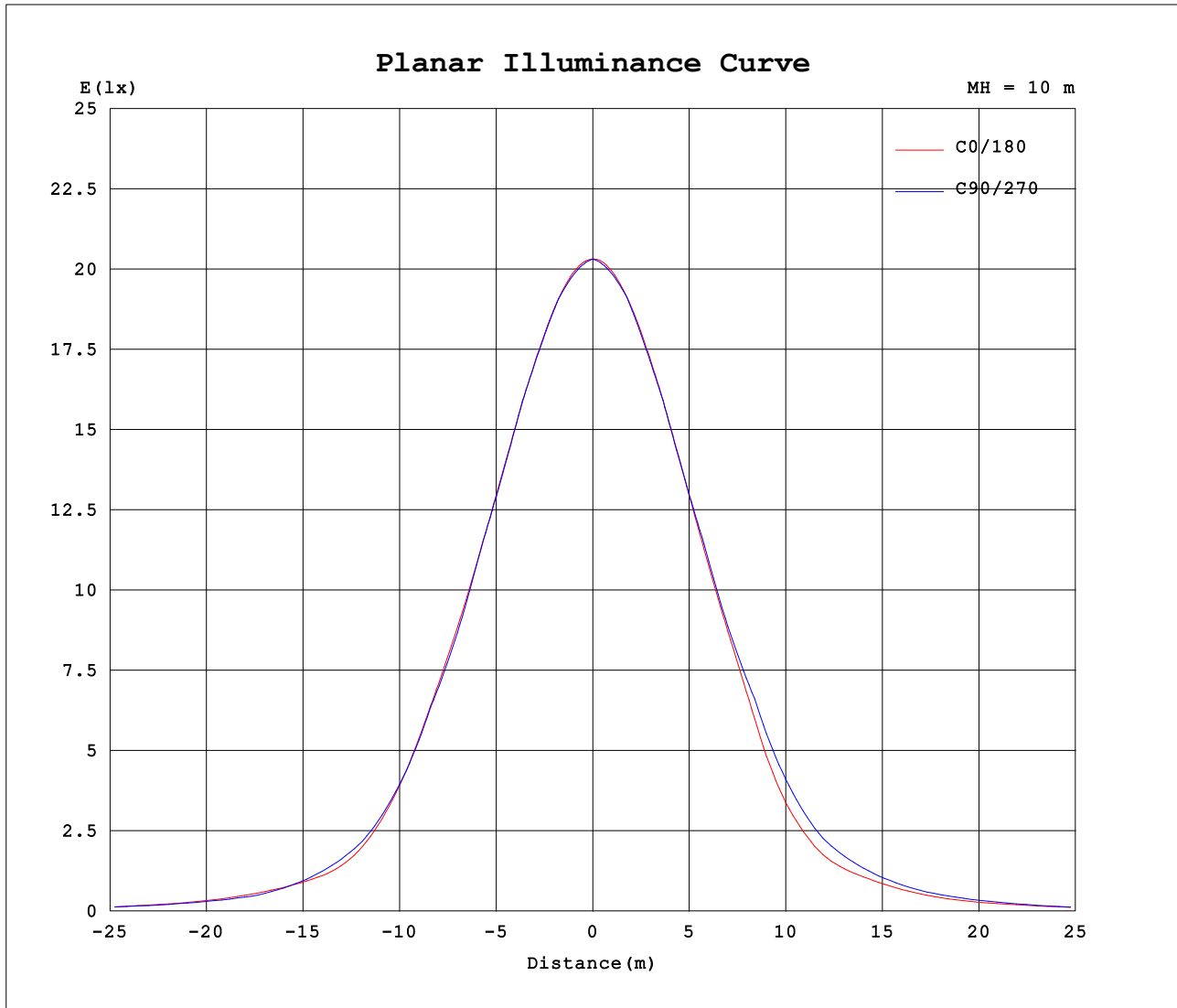
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-06-05

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: 2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

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	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032
5	2022	2021	2020	2018	2017	2017	2016	2015	2015	2015	2014	2014	2014	2014	2014	2014	2014	2014	2014
10	1998	1995	1993	1992	1990	1990	1989	1989	1990	1990	1991	1992	1993	1994	1995	1995	1996	1997	1997
15	1960	1957	1954	1953	1952	1952	1954	1956	1958	1957	1955	1955	1954	1954	1954	1955	1955	1955	1956
20	1910	1905	1902	1901	1902	1905	1907	1904	1902	1901	1902	1904	1906	1908	1910	1912	1913	1914	1914
25	1839	1833	1830	1831	1835	1834	1830	1829	1832	1836	1841	1838	1834	1831	1830	1830	1830	1830	1830
30	1741	1734	1733	1738	1739	1734	1734	1738	1741	1732	1729	1728	1730	1732	1735	1739	1743	1746	1747
35	1611	1603	1605	1613	1605	1607	1616	1603	1594	1594	1599	1607	1585	1571	1566	1568	1572	1578	1581
40	1425	1412	1419	1417	1419	1439	1414	1402	1408	1408	1365	1338	1329	1335	1351	1371	1390	1407	1415
45	1108	1090	1104	1107	1129	1134	1119	1126	1125	1089	1049	1034	1044	1055	1068	1087	1105	1118	1119
50	760	758	782	816	838	862	860	853	851	811	790	779	768	754	756	781	810	826	823
55	556	557	572	609	625	651	645	647	647	638	614	581	551	545	564	596	618	624	615
60	458	455	459	457	451	439	431	441	455	466	473	455	434	429	442	451	443	425	406
65	337	334	353	356	341	312	290	282	321	352	357	338	324	328	342	352	346	331	315
70	240	243	266	275	265	236	227	228	242	259	264	253	241	243	252	261	256	239	223
75	169	175	191	198	194	192	191	191	192	188	183	179	175	180	185	191	191	187	182
80	138	137	133	132	137	139	143	145	139	131	127	126	129	130	127	125	127	135	140
85	74.9	58.6	60.9	67.2	70.1	72.1	74.9	64.7	52.9	40.6	30.5	23.3	17.9	12.5	7.64	4.23	1.92	0.51	0.00
90	9.88	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	26.0	22.2	18.9	17.5	18.6	17.6	14.8	14.7	14.5	13.8	12.0	10.1	7.98	5.99	4.07	2.40	1.09	0.28	0.00
100	90.0	88.6	84.3	80.8	78.7	76.5	73.7	77.3	79.1	79.4	78.7	77.3	76.2	75.7	75.2	74.9	74.2	73.5	74.6
105	185	183	180	176	172	169	169	169	166	164	164	166	168	170	170	171	171	171	172
110	293	290	286	283	281	278	276	277	276	274	273	272	272	271	270	270	269	268	269
115	401	404	400	400	395	392	389	393	390	387	387	388	388	387	386	386	385	384	384
120	509	511	507	506	507	502	502	498	500	500	496	495	495	496	497	498	499	499	499
125	604	604	603	603	601	602	598	599	596	595	596	598	597	595	594	594	594	594	594
130	690	689	690	688	688	687	689	685	685	687	684	683	683	684	685	686	688	688	689
135	767	765	770	766	766	764	765	768	764	763	763	765	765	764	764	763	764	764	764
140	834	833	836	836	834	836	834	834	836	837	834	833	834	834	836	837	838	839	839
145	896	894	895	899	895	895	897	896	895	895	897	899	898	897	897	897	897	897	897
150	949	947	947	949	950	948	948	949	951	949	949	949	950	951	952	953	954	955	955
155	993	991	991	992	995	995	993	993	994	995	997	997	996	995	995	995	996	996	996
160	1030	1029	1028	1028	1030	1032	1034	1032	1031	1031	1031	1031	1032	1033	1034	1035	1036	1036	1037
165	1061	1059	1058	1058	1058	1059	1060	1061	1063	1062	1061	1061	1060	1060	1060	1060	1061	1061	1061
170	1083	1082	1081	1080	1080	1080	1080	1080	1080	1081	1081	1082	1082	1083	1084	1084	1085	1085	1085
175	1096	1096	1095	1095	1094	1094	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093	1093
180	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

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	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032
5	2014	2015	2015	2015	2015	2016	2016	2016	2017	2017	2018	2018	2019	2020	2021	2023	2024	2025	2024
10	1997	1997	1997	1996	1996	1995	1995	1994	1994	1994	1994	1994	1995	1996	1997	1999	2001	2004	2001
15	1956	1956	1956	1956	1957	1957	1958	1959	1961	1963	1961	1960	1959	1959	1960	1962	1965	1969	1965
20	1914	1914	1913	1912	1910	1908	1907	1906	1905	1906	1908	1911	1909	1907	1906	1908	1912	1918	1913
25	1830	1830	1829	1829	1831	1833	1838	1842	1835	1830	1827	1827	1831	1832	1829	1830	1834	1842	1836
30	1745	1741	1736	1731	1726	1722	1719	1718	1721	1729	1726	1720	1720	1724	1723	1720	1724	1734	1726
35	1578	1570	1561	1555	1555	1566	1583	1569	1556	1554	1568	1586	1575	1571	1577	1571	1574	1588	1576
40	1407	1387	1359	1331	1307	1294	1298	1310	1328	1324	1322	1339	1359	1333	1323	1316	1312	1334	1317
45	1116	1108	1087	1056	1028	1004	982	986	1016	1029	1021	1043	1041	1026	998	981	961	957	949
50	823	822	801	767	749	750	748	748	769	800	812	820	811	812	793	759	709	665	648
55	613	617	605	577	553	552	574	595	611	617	602	595	584	574	568	550	545	537	523
60	406	425	446	449	435	424	435	452	452	447	425	391	370	381	394	406	405	400	395
65	314	331	346	347	331	307	305	333	345	327	287	266	259	280	303	314	312	292	284
70	224	244	255	256	246	234	236	250	256	243	226	217	220	228	239	238	228	212	197
75	183	191	191	187	181	173	171	175	176	180	181	184	182	174	167	156	157	155	151
80	141	140	129	126	125	122	120	119	122	126	129	128	126	119	102	88.6	83.0	94.8	98.1
85	0.54	2.11	4.38	7.56	11.8	16.7	22.1	28.3	37.6	46.9	56.0	64.2	60.1	55.0	45.2	35.5	25.1	20.1	35.7
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	4.21	0.00
95	0.28	1.11	2.45	4.23	6.28	8.49	10.7	12.7	14.3	15.5	16.1	16.3	17.5	16.9	14.5	12.5	8.10	3.33	6.46
100	75.4	75.5	76.4	77.5	78.2	78.9	79.3	79.6	79.0	77.6	74.2	68.6	68.1	66.5	62.3	56.8	50.0	47.7	46.3
105	172	172	172	171	170	168	166	162	160	160	159	156	153	149	144	138	133	132	127
110	270	270	270	270	270	271	271	268	266	265	264	261	258	253	248	243	238	238	232
115	385	385	386	387	387	387	386	379	378	377	376	373	370	362	361	357	353	349	346
120	499	499	498	497	495	494	492	491	492	489	486	487	481	478	473	471	466	468	460
125	594	594	594	594	595	595	595	592	591	590	590	585	583	580	582	576	574	578	570
130	689	688	687	686	684	683	683	684	685	681	678	677	674	675	672	671	668	672	665
135	764	764	765	765	766	767	767	763	762	761	762	758	758	758	754	755	752	756	749
140	840	839	839	837	836	835	834	834	835	834	832	832	834	829	828	828	826	830	824
145	897	897	898	898	898	899	900	898	896	896	897	898	894	893	894	891	891	895	890
150	955	955	954	953	952	951	951	951	951	954	952	949	948	949	948	946	947	950	946
155	996	996	996	996	997	998	999	1000	998	996	995	995	995	996	996	993	993	994	993
160	1037	1036	1036	1035	1035	1034	1033	1033	1033	1032	1033	1035	1033	1031	1031	1031	1032	1034	1031
165	1061	1061	1061	1061	1061	1061	1062	1062	1063	1064	1063	1061	1060	1060	1060	1060	1061	1063	1061
170	1085	1085	1085	1084	1084	1083	1083	1082	1082	1081	1081	1080	1080	1081	1081	1082	1083	1084	1083
175	1093	1093	1093	1093	1093	1093	1093	1093	1093	1094	1094	1094	1094	1095	1095	1096	1097	1097	1096
180	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

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	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032
5	2023	2022	2021	2020	2020	2019	2019	2018	2018	2018	2018	2018	2018	2017	2017	2017	2017	2017	2017
10	2000	1998	1997	1996	1996	1996	1996	1997	1997	1998	1999	2000	2001	2002	2002	2003	2003	2002	2002
15	1963	1961	1961	1961	1963	1964	1966	1965	1963	1962	1961	1961	1961	1961	1960	1960	1960	1960	1960
20	1910	1909	1910	1913	1915	1912	1909	1909	1910	1911	1913	1915	1916	1917	1918	1918	1917	1917	1916
25	1833	1834	1839	1839	1836	1835	1837	1841	1847	1844	1842	1840	1840	1839	1839	1839	1839	1839	1839
30	1724	1728	1732	1731	1734	1740	1745	1739	1736	1738	1740	1745	1749	1754	1757	1759	1760	1760	1759
35	1575	1583	1581	1590	1605	1601	1599	1600	1608	1618	1607	1602	1602	1605	1609	1613	1616	1618	1616
40	1326	1336	1352	1385	1377	1389	1412	1418	1381	1369	1381	1402	1421	1438	1453	1464	1472	1473	1467
45	972	972	1009	1043	1048	1064	1117	1107	1072	1072	1104	1116	1117	1123	1135	1150	1163	1170	1173
50	652	686	719	761	794	818	849	842	815	801	786	764	749	766	798	832	855	863	863
55	528	552	563	587	601	630	645	648	635	595	558	542	553	592	629	654	668	668	663
60	411	433	447	435	432	423	428	450	478	480	460	448	453	473	482	482	481	476	478
65	296	317	330	320	296	266	278	310	343	357	357	346	351	365	369	359	341	331	341
70	203	225	236	232	222	202	191	216	249	259	253	240	246	258	260	239	201	187	210
75	155	163	170	171	172	172	178	184	184	181	177	173	181	189	193	188	172	163	171
80	111	115	115	119	123	130	131	124	120	122	126	129	129	127	129	136	143	140	134
85	43.6	48.6	50.8	58.5	63.9	56.2	45.5	35.4	27.5	21.9	17.2	12.4	7.84	4.31	1.95	0.51	0.00	0.53	2.04
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	9.88	13.4	16.0	16.6	14.8	14.5	13.5	13.0	11.8	10.0	7.95	5.85	3.92	2.31	1.05	0.27	0.00	0.27	1.07
100	50.5	53.6	57.7	62.3	63.7	69.0	73.2	75.1	75.9	75.5	74.3	73.4	72.6	72.1	71.0	70.6	71.1	72.1	72.4
105	131	136	140	146	150	152	154	154	157	159	160	161	165	165	165	168	169	169	169
110	234	238	243	250	253	255	257	259	260	258	261	262	262	260	259	265	266	267	267
115	348	351	352	360	362	366	366	367	368	368	370	372	371	372	372	376	376	377	377
120	462	463	466	469	473	473	475	478	476	478	480	481	482	483	485	486	486	487	486
125	569	574	571	574	575	580	580	580	581	584	585	585	584	583	584	583	583	584	584
130	665	667	668	668	671	670	674	678	676	675	675	677	678	679	680	680	680	680	680
135	750	749	752	752	752	756	754	755	757	761	760	759	758	758	757	757	757	757	757
140	824	823	824	828	826	826	827	830	828	828	829	830	831	832	833	833	833	833	832
145	888	890	888	889	893	891	891	891	892	894	894	893	892	892	892	892	892	891	891
150	944	945	945	944	945	947	948	947	946	945	946	947	948	948	949	950	950	950	949
155	991	991	992	993	991	991	992	993	995	994	993	992	992	991	991	991	991	991	991
160	1030	1029	1029	1030	1032	1030	1029	1029	1029	1029	1030	1030	1031	1032	1032	1032	1033	1032	1032
165	1059	1058	1058	1058	1059	1060	1062	1061	1060	1059	1059	1058	1058	1058	1058	1058	1058	1058	1058
170	1082	1081	1080	1080	1079	1079	1080	1080	1080	1081	1081	1082	1082	1082	1083	1083	1083	1083	1083
175	1096	1095	1094	1094	1094	1093	1093	1093	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092
180	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-05

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: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032	2032				
5	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2018	2018	2019	2020	2021				
10	2001	2000	1999	1998	1997	1996	1995	1993	1993	1992	1992	1992	1993	1994	1996				
15	1959	1959	1959	1959	1959	1960	1961	1963	1960	1958	1956	1955	1955	1955	1957				
20	1915	1913	1911	1909	1907	1905	1905	1906	1908	1912	1909	1905	1904	1904	1906				
25	1838	1839	1839	1839	1842	1844	1838	1834	1832	1834	1838	1838	1834	1832	1834				
30	1756	1752	1748	1744	1741	1738	1739	1745	1740	1736	1737	1743	1741	1736	1736				
35	1615	1612	1613	1618	1627	1618	1610	1607	1612	1619	1611	1611	1618	1609	1605				
40	1455	1440	1422	1406	1398	1408	1442	1446	1436	1438	1451	1434	1432	1430	1419				
45	1166	1162	1154	1145	1124	1110	1129	1170	1187	1158	1164	1149	1126	1133	1106				
50	843	824	805	802	812	812	815	876	889	892	887	857	843	815	781				
55	644	611	563	535	551	595	639	675	690	690	702	680	671	632	595				
60	486	479	461	446	446	462	478	487	487	480	479	493	492	491	481				
65	361	367	363	352	350	360	369	351	308	294	303	333	354	371	357				
70	244	261	260	252	250	261	269	254	224	201	197	234	258	270	260				
75	183	189	184	174	167	170	181	182	175	174	176	176	186	191	183				
80	129	125	124	120	115	115	116	119	127	135	130	128	128	128	136				
85	4.39	7.50	11.6	16.3	21.2	26.7	32.5	39.4	51.6	63.1	66.1	65.8	68.6	65.6	70.1				
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	2.33	3.99	6.02	8.19	10.5	12.8	14.4	16.0	17.6	18.9	22.2	23.4	21.9	23.2	25.2				
100	73.0	74.0	76.1	77.3	79.3	81.4	81.7	82.1	81.1	77.7	80.0	80.7	83.1	86.2	90.8				
105	170	170	170	168	168	167	167	169	171	171	172	175	180	184	188				
110	268	270	270	270	271	273	275	277	278	278	280	283	286	290	293				
115	378	379	380	381	383	383	384	387	390	388	391	395	401	402	407				
120	486	486	487	488	490	492	495	494	496	499	500	507	506	509	513				
125	585	587	589	592	594	592	592	594	598	597	602	602	605	605	606				
130	680	680	679	679	680	681	685	684	684	688	687	688	689	692	690				
135	757	758	760	761	762	761	761	763	767	764	764	766	766	771	766				
140	831	831	830	830	830	831	834	834	832	833	835	834	836	837	833				
145	892	892	893	894	896	894	892	892	894	895	894	895	899	895	894				
150	949	947	947	946	945	945	946	948	947	946	947	950	949	947	947				
155	991	991	991	992	993	993	992	991	991	992	994	994	992	991	991				
160	1031	1030	1030	1029	1028	1028	1028	1029	1030	1032	1031	1029	1028	1028	1028				
165	1058	1058	1058	1058	1059	1060	1061	1062	1060	1059	1058	1057	1057	1058	1059				
170	1083	1082	1082	1082	1081	1080	1080	1079	1079	1079	1079	1079	1080	1081	1082				
175	1092	1092	1092	1092	1092	1092	1092	1093	1093	1093	1094	1094	1094	1095	1096				
180	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-06-05

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: