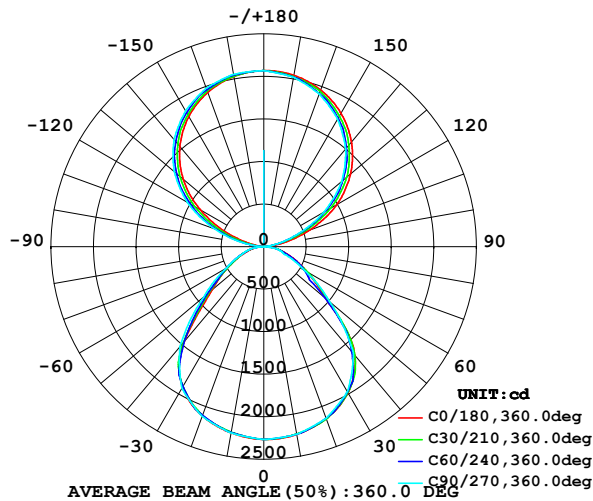


LUMINAIRE PHOTOMETRIC TEST REPORT

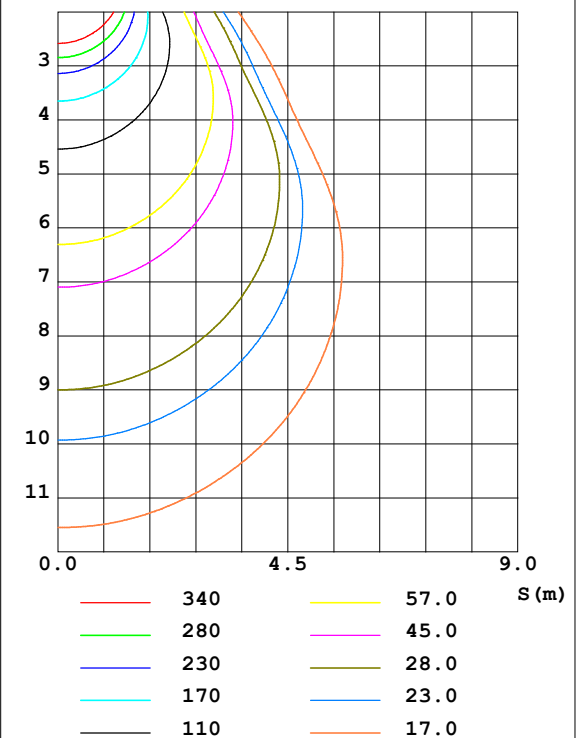
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.83 lm/W			
MODEL	2835	I _{max} (cd)	2267	S/MH (C0/180)	1.29
NOMINAL POWER (W)	80	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	10974	η UP, DN (C0-180)	25.4, 23.7
NOMINAL FLUX (lm)	10974.1	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	27.9, 22.9
LAMPS INSIDE	1	η up (%)	53.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	46.6	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: 2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.000m [K=1.2500]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2263	2255	2253	2249	2253	2243	2245	2250	0- 5	53.95	53.95	0.49,0.49
10	2240	2236	2239	2223	2222	2213	2224	2226	5- 10	160.1	214.1	1.95,1.95
15	2203	2204	2192	2186	2178	2171	2173	2191	10- 15	261.7	475.8	4.34,4.34
20	2151	2145	2146	2121	2117	2103	2123	2129	15- 20	355.4	831.2	7.57,7.57
25	2080	2076	2057	2042	2031	2024	2024	2055	20- 25	438.1	1269	11.6,11.6
30	1983	1976	1967	1920	1907	1906	1925	1943	25- 30	504.4	1774	16.2,16.2
35	1850	1844	1804	1748	1740	1739	1729	1790	30- 35	548.4	2322	21.2,21.2
40	1666	1670	1641	1509	1455	1517	1532	1582	35- 40	557.4	2880	26.2,26.2
45	1357	1335	1328	1126	1064	1181	1226	1212	40- 45	515.9	3395	30.9,30.9
50	960.0	991.1	1014	798.2	795.9	907.4	918.8	827.1	45- 50	428.4	3824	34.8,34.8
55	750.3	793.3	777.4	644.0	626.8	676.5	711.8	645.6	50- 55	344.5	4168	38,38
60	581.2	599.7	540.6	500.3	483.5	463.0	504.8	509.7	55- 60	279.0	4447	40.5,40.5
65	448.3	411.8	397.6	379.9	366.0	330.0	392.8	372.6	60- 65	218.8	4666	42.5,42.5
70	335.7	274.0	254.5	287.2	263.9	246.7	280.8	262.0	65- 70	167.6	4834	44,44
75	239.0	212.1	206.0	207.5	185.9	209.9	214.1	182.3	70- 75	127.0	4961	45.2,45.2
80	157.2	149.8	157.5	145.8	121.6	154.6	147.3	129.1	75- 80	95.78	5056	46.1,46.1
85	89.78	46.08	0	45.37	33.23	49.21	0	40.49	80- 85	53.60	5110	46.6,46.6
90	12.62	0	0	0	5.749	0	0	0	85- 90	6.657	5117	46.6,46.6
95	52.56	16.35	0	14.96	5.190	40.78	0.0000	45.81	90- 95	3.049	5120	46.7,46.7
100	186.1	113.2	80.70	104.9	81.99	191.2	216.4	211.2	95-100	43.50	5163	47,47
105	371.3	250.6	242.8	234.1	234.6	357.7	417.2	392.6	100-105	121.9	5285	48.2,48.2
110	576.5	451.8	404.9	423.0	433.4	559.2	618.0	606.5	105-110	213.8	5499	50.1,50.1
115	786.9	660.0	611.0	620.4	643.4	762.3	826.1	820.0	110-115	309.7	5809	52.9,52.9
120	990.4	874.9	817.2	823.9	855.0	967.4	1034	1031	115-120	398.3	6207	56.6,56.6
125	1169	1062	1008	1016	1057	1149	1205	1206	120-125	469.6	6677	60.8,60.8
130	1332	1242	1198	1203	1237	1322	1375	1373	125-130	520.4	7197	65.6,65.6
135	1477	1393	1349	1353	1395	1460	1509	1510	130-135	548.2	7745	70.6,70.6
140	1605	1538	1499	1499	1536	1594	1642	1642	135-140	555.2	8300	75.6,75.6
145	1717	1654	1617	1620	1658	1704	1742	1745	140-145	542.0	8842	80.6,80.6
150	1814	1762	1735	1733	1765	1806	1842	1839	145-150	510.8	9353	85.2,85.2
155	1895	1852	1822	1828	1855	1889	1912	1917	150-155	462.5	9816	89.4,89.4
160	1960	1924	1910	1902	1929	1952	1982	1975	155-160	399.8	10215	93.1,93.1
165	2009	1987	1965	1970	1987	2008	2020	2026	160-165	324.3	10540	96,96
170	2045	2025	2021	2013	2030	2039	2057	2051	165-170	239.0	10779	98.2,98.2
175	2065	2051	2045	2045	2058	2058	2063	2064	170-175	146.3	10925	99.6,99.6
180	2069	2069	2069	2069	2069	2069	2069	2069	175-180	49.27	10974	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

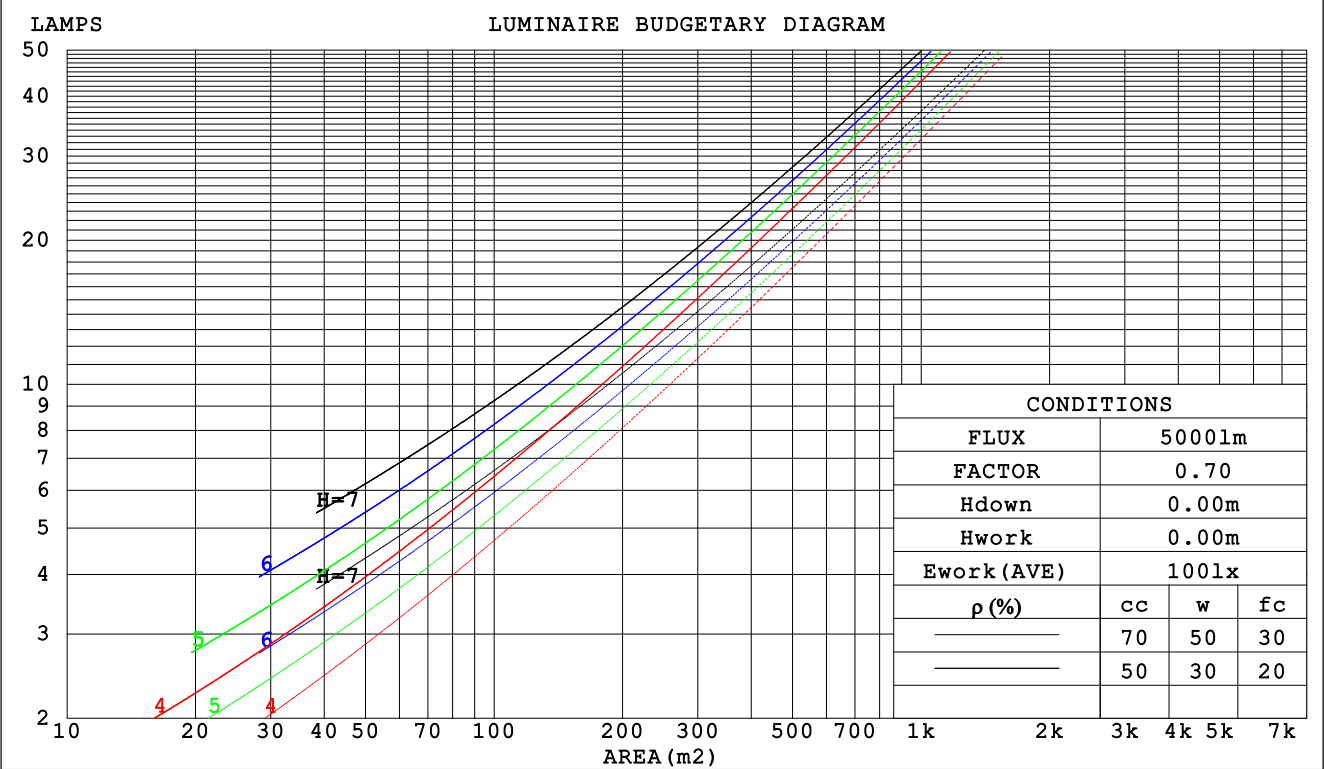
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	1.06	1.06	1.06	.98	.98	.98	.81	.81	.81	.67	.67	.67	.53	.53	.53	.47
1.0	.94	.90	.87	.86	.83	.80	.72	.70	.68	.59	.58	.57	.48	.47	.46	.40
2.0	.82	.77	.72	.76	.71	.67	.64	.60	.57	.53	.50	.48	.43	.41	.40	.35
3.0	.73	.66	.60	.67	.61	.56	.57	.52	.49	.47	.44	.41	.38	.36	.34	.30
4.0	.65	.57	.51	.60	.53	.48	.51	.46	.42	.42	.39	.36	.35	.32	.30	.26
5.0	.58	.50	.44	.54	.47	.42	.46	.41	.37	.38	.35	.31	.31	.29	.26	.23
6.0	.52	.44	.39	.48	.42	.37	.41	.36	.32	.35	.31	.28	.29	.26	.24	.21
7.0	.47	.40	.34	.44	.37	.32	.38	.32	.28	.32	.28	.25	.26	.23	.21	.18
8.0	.43	.35	.30	.40	.33	.29	.34	.29	.25	.29	.25	.22	.24	.21	.19	.17
9.0	.39	.32	.27	.37	.30	.26	.32	.26	.23	.27	.23	.20	.22	.19	.17	.15
10.0	.36	.29	.24	.34	.27	.23	.29	.24	.21	.25	.21	.18	.21	.18	.16	.14



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	.240	.137	.043	.197	.113	.036	.157	.091	.029	.120	.070	.023	
2.0	.246	.135	.041	.225	.124	.038	.186	.103	.032	.149	.084	.026	.116	.066	.021	
3.0	.229	.122	.036	.210	.112	.034	.174	.094	.029	.140	.077	.024	.109	.061	.019	
4.0	.213	.111	.032	.195	.102	.030	.162	.086	.026	.131	.071	.021	.103	.056	.017	
5.0	.198	.101	.029	.182	.093	.027	.152	.079	.023	.123	.065	.019	.097	.052	.016	
6.0	.185	.093	.027	.170	.086	.025	.142	.073	.021	.116	.060	.018	.091	.048	.014	
7.0	.173	.086	.024	.160	.080	.023	.133	.067	.019	.109	.056	.016	.086	.045	.013	
8.0	.163	.080	.022	.150	.074	.021	.126	.063	.018	.103	.052	.015	.081	.042	.012	
9.0	.153	.074	.021	.141	.069	.019	.119	.059	.017	.097	.049	.014	.077	.039	.011	
10.0	.145	.069	.019	.134	.065	.018	.112	.055	.015	.092	.046	.013	.073	.037	.011	

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	.597	.597	.597	.510	.510	.510	.348	.348	.348	.200	.200	.200	.064	.064	.064		
1.0	.587	.567	.548	.502	.486	.472	.344	.335	.326	.198	.194	.190	.063	.062	.061		
2.0	.579	.545	.516	.496	.469	.446	.340	.325	.311	.196	.189	.182	.063	.061	.059		
3.0	.572	.529	.495	.490	.456	.429	.336	.317	.301	.194	.185	.177	.062	.060	.058		
4.0	.565	.517	.481	.485	.447	.417	.333	.311	.294	.193	.182	.174	.062	.059	.057		
5.0	.558	.508	.470	.479	.439	.409	.330	.307	.289	.191	.180	.171	.062	.059	.056		
6.0	.552	.500	.463	.475	.433	.403	.327	.303	.285	.190	.178	.169	.061	.058	.056		
7.0	.546	.494	.457	.470	.428	.398	.325	.300	.282	.189	.177	.168	.061	.058	.056		
8.0	.541	.489	.453	.466	.424	.395	.322	.298	.280	.187	.176	.167	.061	.058	.055		
9.0	.536	.484	.450	.462	.420	.392	.320	.296	.279	.186	.175	.166	.060	.057	.055		
10.0	.531	.481	.447	.458	.417	.390	.318	.294	.277	.185	.174	.165	.060	.057	.055		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	15.6	16.5	16.5	17.3	18.5	15.5	16.4	16.4	17.3	18.4	
	3H	16.4	17.2	17.3	18.1	19.3	16.3	17.1	17.2	18.0	19.1
	4H	16.7	17.5	17.7	18.4	19.6	16.6	17.4	17.6	18.3	19.5
	6H	17.0	17.7	17.9	18.6	19.8	16.9	17.6	17.9	18.5	19.7
	8H	17.1	17.8	18.1	18.7	19.9	16.9	17.6	17.9	18.5	19.8
	12H	17.2	17.8	18.2	18.8	20.0	16.9	17.5	17.8	18.4	19.7
4H	2H	15.7	16.4	16.6	17.3	18.5	15.7	16.4	16.6	17.3	18.5
	3H	16.7	17.3	17.6	18.2	19.5	16.6	17.2	17.6	18.2	19.4
	4H	17.1	17.7	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	6H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	8H	17.7	18.2	18.7	19.2	20.5	17.6	18.0	18.6	19.0	20.3
	12H	17.8	18.2	18.9	19.3	20.6	17.5	17.9	18.5	18.9	20.2
8H	4H	17.2	17.6	18.2	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	6H	17.7	18.1	18.8	19.1	20.5	17.7	18.1	18.7	19.1	20.4
	8H	18.0	18.3	19.1	19.4	20.7	17.8	18.1	18.9	19.2	20.5
	12H	18.2	18.5	19.3	19.6	20.9	17.8	18.0	18.8	19.1	20.5
12H	4H	17.1	17.5	18.2	18.5	19.9	17.1	17.5	18.1	18.5	19.8
	6H	17.8	18.1	18.8	19.1	20.5	17.7	18.0	18.8	19.1	20.4
	8H	18.1	18.4	19.1	19.4	20.8	17.9	18.1	18.9	19.2	20.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.4					
2.0H	+ 0.8 / - 0.5					+ 0.8 / - 0.8					

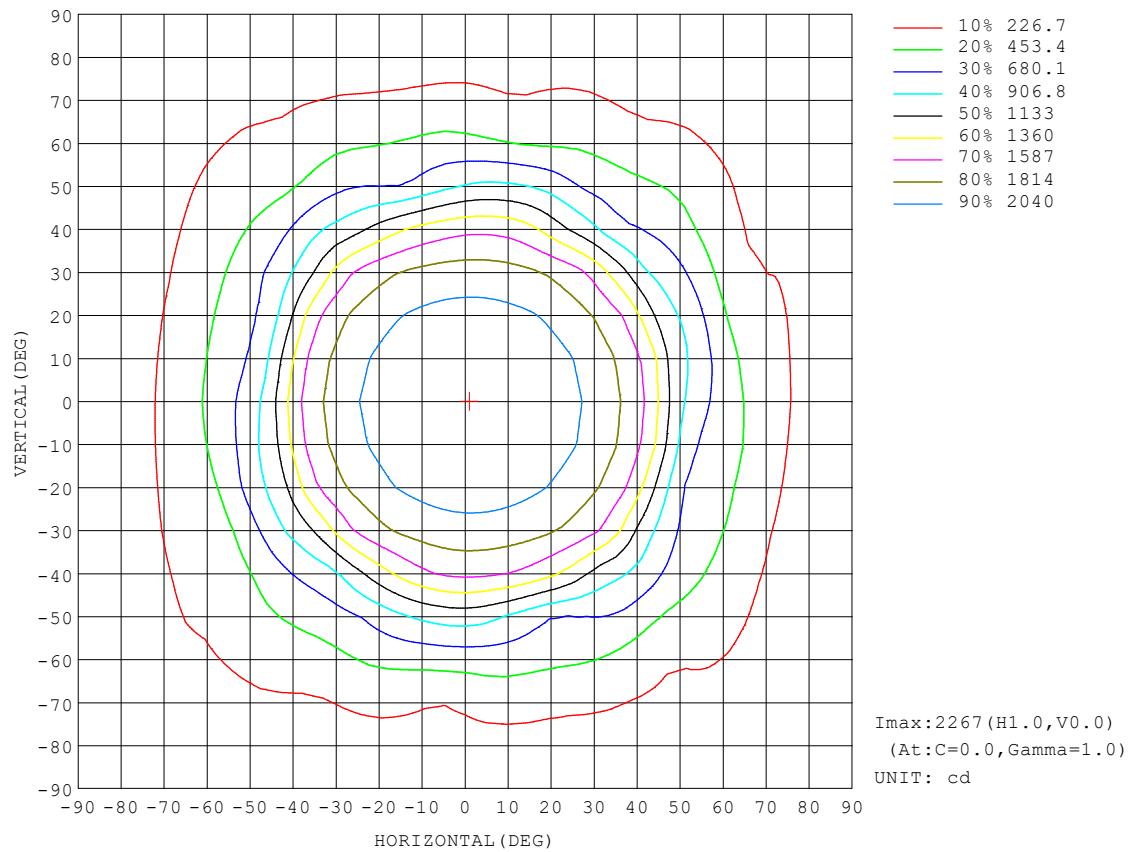
CIE Pub.117 Corrected 10974 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.3)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.2500]
 Remarks:

ISOCANDELA DIAGRAM

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

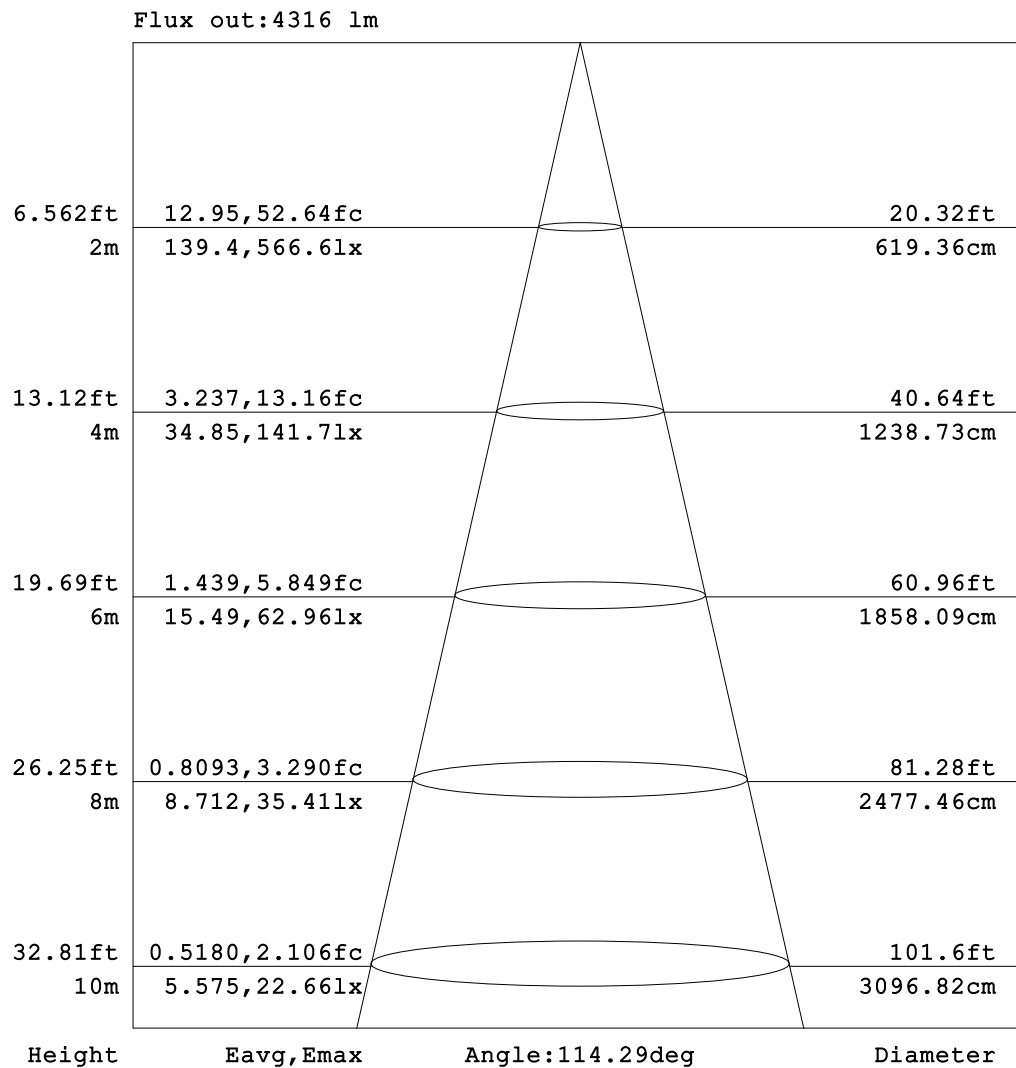


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.000m [K=1.2500]
Remarks:

AAI Figure

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



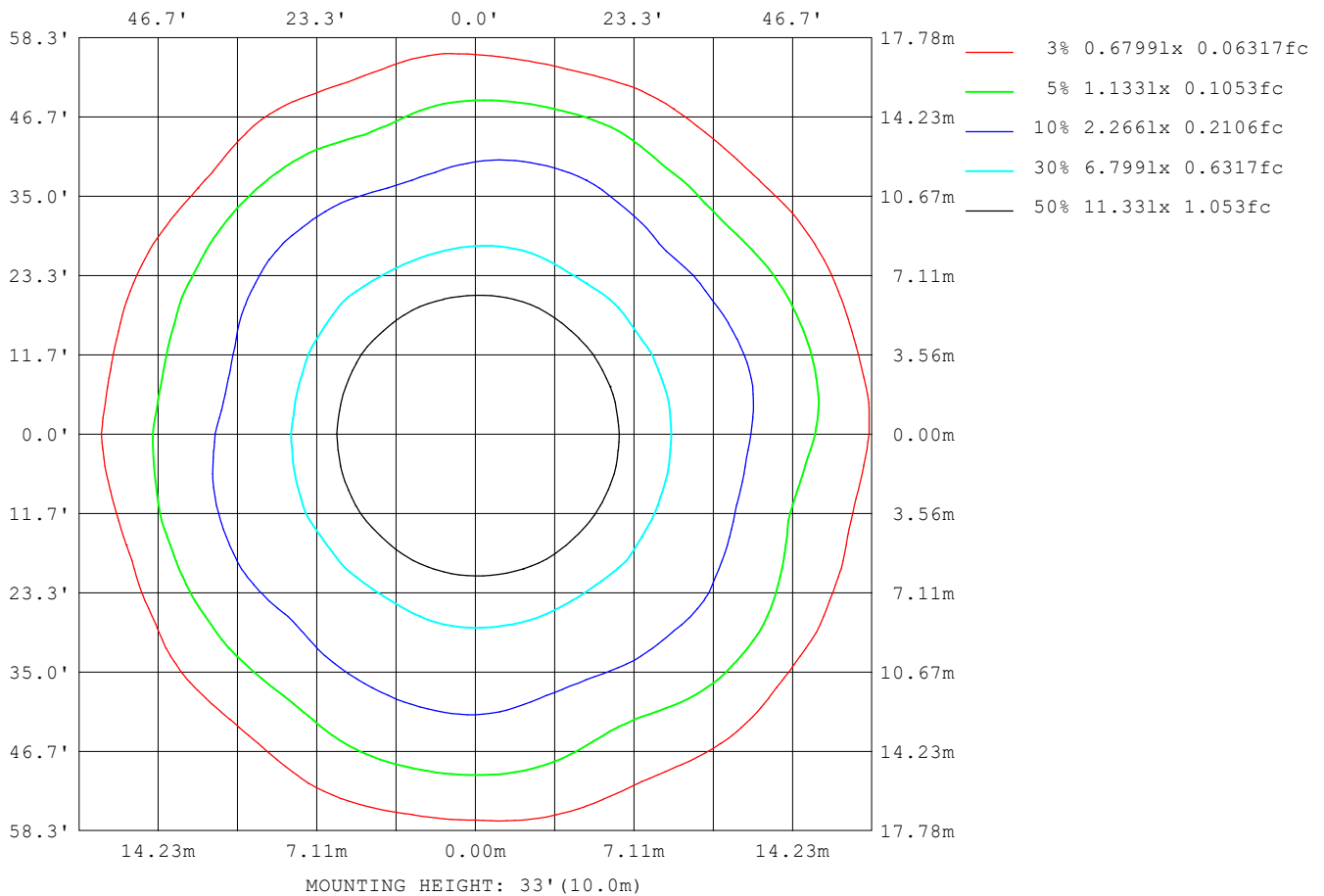
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.000m [K=1.2500]
Remarks:

ISOLUX DIAGRAM

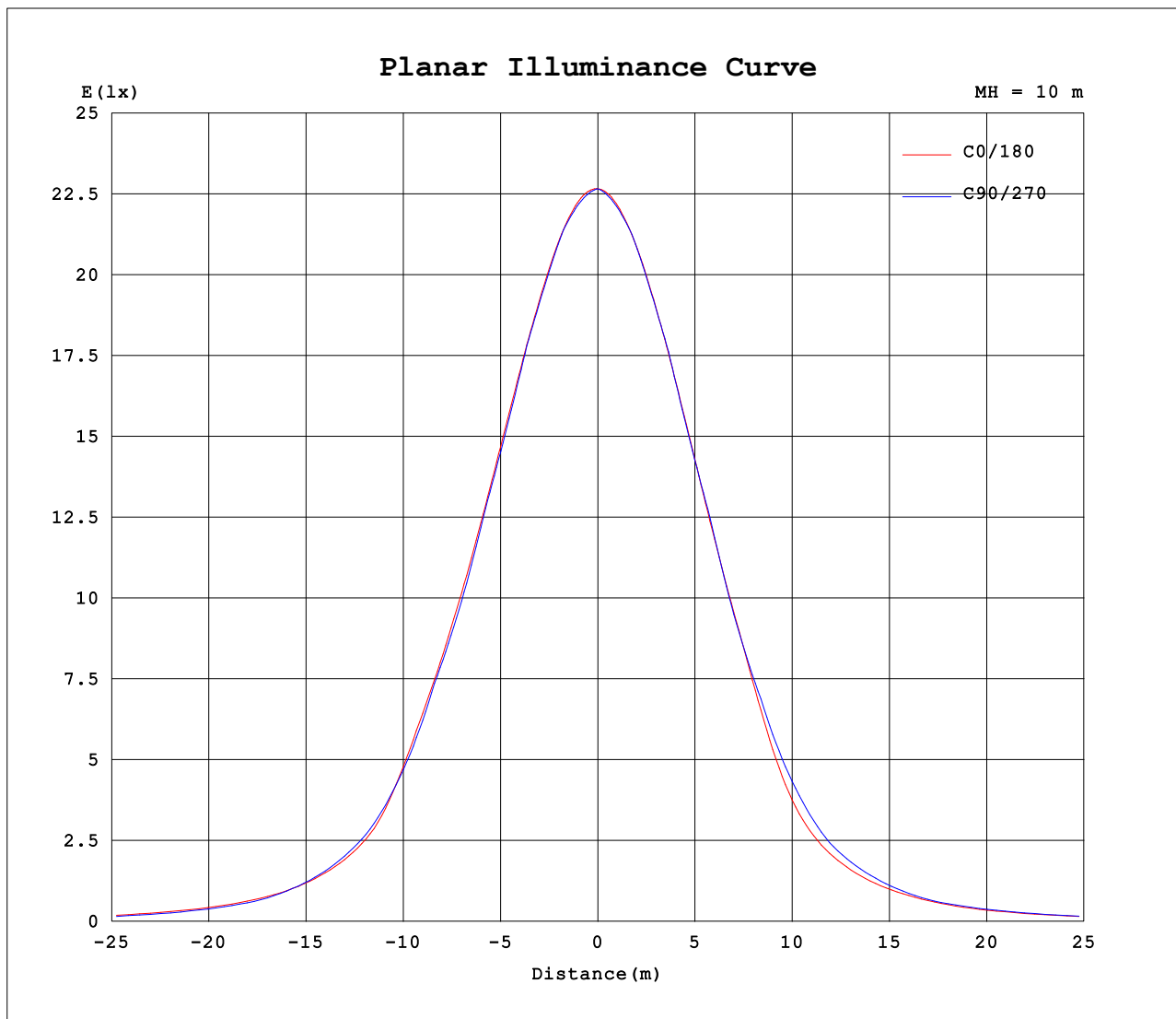
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.000m [K=1.2500]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.000m [K=1.2500]
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	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266
5	2263	2262	2261	2259	2259	2258	2257	2256	2256	2255	2255	2255	2254	2254	2254	2253	2253	2253	2253
10	2240	2238	2236	2235	2235	2235	2235	2235	2235	2236	2237	2238	2238	2239	2239	2239	2240	2239	2239
15	2203	2200	2198	2197	2198	2199	2200	2203	2206	2204	2201	2200	2198	2197	2196	2195	2194	2193	2192
20	2151	2147	2146	2146	2149	2152	2154	2150	2147	2145	2145	2145	2145	2146	2146	2147	2147	2147	2146
25	2080	2076	2076	2079	2085	2083	2077	2074	2075	2076	2080	2077	2072	2068	2065	2062	2061	2058	2057
30	1983	1979	1980	1988	1989	1981	1979	1982	1985	1976	1972	1970	1970	1971	1971	1972	1971	1970	1967
35	1850	1846	1851	1862	1851	1849	1856	1850	1844	1844	1847	1854	1835	1822	1814	1809	1807	1806	1804
40	1666	1661	1672	1668	1663	1674	1663	1666	1677	1670	1633	1613	1608	1611	1620	1627	1634	1640	1641
45	1357	1343	1371	1345	1353	1359	1364	1408	1382	1335	1321	1335	1330	1309	1299	1298	1306	1320	1328
50	960	932	930	921	948	981	1002	1049	1049	991	993	987	947	906	903	926	957	993	1014
55	750	689	654	633	675	725	771	814	809	793	762	702	648	641	671	716	748	770	777
60	581	559	542	542	560	569	592	587	590	600	595	574	550	539	546	557	561	553	541
65	448	454	439	441	440	437	419	394	393	412	429	441	438	429	428	435	438	423	398
70	336	331	317	317	324	322	303	270	245	274	306	323	319	309	309	319	321	297	255
75	239	222	203	208	225	233	227	214	208	212	214	224	225	221	223	230	232	223	206
80	157	155	150	147	148	152	161	160	153	150	149	152	153	151	148	147	144	148	157
85	89.8	69.7	69.9	74.1	74.8	74.9	74.5	63.8	56.2	46.1	36.4	27.7	20.6	14.2	8.87	4.96	2.17	0.56	0.00
90	12.6	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	52.6	39.8	32.3	29.2	29.4	27.2	21.4	20.1	18.4	16.4	14.2	11.6	9.08	6.67	4.47	2.61	1.19	0.30	0.00
100	186	173	154	140	130	122	112	115	116	113	109	104	97.9	92.7	88.5	85.3	82.5	81.4	80.7
105	371	358	342	323	305	293	281	273	262	251	247	247	245	243	244	246	244	243	243
110	576	566	548	530	513	499	483	470	459	452	442	432	423	415	413	412	408	405	405
115	787	780	761	746	725	709	695	686	671	660	649	642	633	626	622	619	615	612	611
120	990	983	965	951	942	919	908	891	881	875	861	850	840	832	827	824	821	819	817
125	1169	1160	1148	1139	1123	1115	1097	1088	1073	1062	1057	1054	1044	1033	1024	1018	1013	1010	1008
130	1332	1321	1316	1301	1290	1280	1273	1256	1247	1242	1230	1221	1215	1210	1207	1204	1202	1200	1198
135	1477	1466	1466	1449	1441	1430	1421	1418	1403	1393	1386	1383	1376	1368	1362	1357	1353	1351	1349
140	1605	1594	1591	1583	1572	1568	1556	1548	1543	1538	1526	1518	1513	1508	1506	1503	1502	1500	1499
145	1717	1707	1703	1702	1689	1681	1679	1669	1660	1654	1652	1649	1642	1634	1629	1625	1621	1619	1617
150	1814	1804	1799	1798	1793	1783	1777	1773	1770	1762	1755	1750	1746	1744	1741	1740	1738	1737	1735
155	1895	1886	1881	1878	1878	1873	1865	1859	1855	1852	1851	1846	1840	1835	1832	1828	1826	1824	1822
160	1960	1953	1948	1944	1942	1942	1941	1934	1928	1924	1920	1918	1916	1915	1913	1913	1912	1911	1910
165	2009	2004	2000	1996	1994	1992	1991	1991	1991	1987	1983	1979	1976	1973	1971	1969	1968	1966	1965
170	2045	2041	2038	2035	2032	2030	2028	2027	2026	2025	2025	2024	2024	2023	2023	2022	2022	2021	2021
175	2065	2063	2061	2059	2058	2056	2055	2053	2052	2051	2050	2049	2048	2047	2047	2046	2046	2045	2045
180	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266
5	2252	2252	2251	2251	2250	2250	2249	2249	2249	2249	2249	2249	2249	2249	2250	2251	2252	2253	2251
10	2238	2236	2235	2234	2232	2229	2227	2225	2223	2222	2220	2219	2218	2218	2218	2219	2220	2222	2219
15	2191	2190	2189	2188	2187	2186	2186	2186	2186	2187	2183	2179	2176	2174	2173	2173	2175	2178	2173
20	2144	2142	2140	2137	2134	2130	2126	2123	2121	2119	2120	2123	2118	2113	2110	2110	2112	2117	2110
25	2054	2052	2050	2048	2047	2047	2049	2050	2042	2035	2030	2030	2032	2030	2024	2022	2025	2031	2022
30	1964	1958	1951	1943	1935	1928	1922	1919	1920	1928	1919	1911	1908	1910	1906	1899	1899	1907	1895
35	1800	1791	1780	1770	1763	1767	1780	1764	1748	1742	1747	1762	1748	1741	1745	1733	1731	1740	1723
40	1634	1614	1585	1551	1516	1494	1489	1494	1509	1481	1471	1493	1519	1486	1474	1464	1447	1455	1426
45	1325	1312	1294	1268	1230	1192	1155	1137	1126	1131	1140	1152	1156	1137	1113	1096	1070	1064	1030
50	1013	999	987	964	933	903	871	829	798	843	872	901	896	892	880	862	826	796	748
55	775	764	756	735	702	661	642	640	644	653	653	662	654	650	658	638	631	627	606
60	540	541	550	556	550	526	504	495	500	507	497	469	452	429	435	454	472	483	470
65	386	390	406	420	421	402	372	362	380	393	385	358	316	302	311	336	363	366	349
70	233	246	276	300	305	292	272	270	287	302	295	277	256	249	259	264	266	264	254
75	197	199	211	221	218	208	195	194	208	220	220	217	218	224	216	207	195	186	183
80	162	157	152	152	145	149	145	141	146	151	155	160	160	157	141	122	110	122	127
85	0.61	2.38	5.19	9.15	13.5	20.6	27.8	34.9	45.4	57.9	73.8	91.3	87.0	80.8	68.2	53.2	37.1	33.2	55.4
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	5.75	0.00
95	0.31	1.19	2.62	4.50	6.64	8.90	11.0	13.4	15.0	16.7	17.5	17.8	21.6	21.9	17.8	16.9	11.3	5.19	12.7
100	81.6	82.6	85.1	88.9	92.3	96.0	99.3	103	105	104	99.9	94.1	98.4	98.9	95.6	91.8	81.8	82.0	88.7
105	242	240	241	243	242	240	238	234	234	238	240	242	243	244	240	235	232	235	244
110	403	401	403	408	411	414	417	421	423	423	423	427	430	431	425	425	423	433	437
115	609	608	609	612	614	616	618	620	620	622	626	626	630	629	629	636	632	643	648
120	815	813	813	813	814	816	819	821	824	824	827	833	830	834	834	837	839	855	856
125	1006	1006	1006	1008	1012	1016	1018	1016	1016	1022	1028	1024	1028	1030	1041	1037	1042	1057	1059
130	1196	1194	1192	1190	1189	1189	1191	1195	1203	1200	1200	1204	1206	1212	1215	1219	1223	1237	1237
135	1347	1346	1346	1347	1350	1354	1355	1353	1353	1356	1363	1361	1366	1373	1371	1380	1381	1395	1394
140	1497	1495	1493	1492	1490	1490	1491	1493	1499	1499	1499	1505	1513	1510	1513	1518	1522	1536	1534
145	1615	1615	1614	1615	1617	1619	1623	1621	1620	1623	1629	1634	1632	1633	1641	1641	1646	1658	1657
150	1733	1732	1730	1728	1727	1727	1727	1729	1733	1739	1738	1737	1739	1744	1746	1748	1754	1765	1763
155	1821	1820	1820	1821	1822	1824	1827	1830	1828	1827	1827	1830	1835	1837	1837	1839	1845	1855	1853
160	1908	1907	1905	1904	1903	1902	1901	1901	1902	1904	1907	1912	1912	1911	1913	1916	1922	1929	1928
165	1964	1964	1963	1963	1963	1964	1965	1967	1970	1972	1971	1970	1970	1971	1973	1977	1982	1987	1986
170	2020	2019	2018	2017	2016	2015	2014	2014	2013	2013	2014	2015	2016	2017	2020	2023	2026	2030	2029
175	2045	2044	2044	2044	2044	2044	2045	2045	2045	2046	2047	2048	2049	2050	2052	2054	2055	2058	2057
180	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266
5	2249	2248	2247	2246	2245	2244	2244	2243	2243	2243	2243	2243	2243	2244	2244	2245	2245	2245	2246
10	2216	2214	2213	2212	2211	2211	2212	2213	2213	2215	2216	2218	2219	2220	2221	2223	2224	2224	2225
15	2170	2167	2167	2167	2168	2170	2173	2171	2169	2169	2168	2168	2169	2170	2171	2172	2173	2174	2176
20	2106	2104	2105	2108	2110	2106	2104	2103	2105	2106	2109	2112	2115	2117	2120	2122	2123	2124	2125
25	2017	2017	2021	2021	2019	2018	2020	2024	2030	2026	2022	2019	2019	2019	2020	2022	2024	2026	2029
30	1891	1894	1897	1896	1900	1907	1915	1906	1900	1899	1899	1902	1907	1911	1917	1921	1925	1927	1929
35	1720	1728	1723	1732	1749	1740	1737	1739	1748	1757	1734	1717	1708	1707	1711	1719	1729	1737	1744
40	1425	1426	1438	1474	1469	1471	1494	1517	1489	1464	1451	1452	1462	1476	1492	1513	1532	1545	1551
45	1030	1029	1047	1087	1113	1128	1167	1181	1158	1144	1148	1146	1141	1147	1167	1196	1226	1251	1268
50	723	724	747	802	840	867	898	907	892	884	869	832	794	792	828	875	919	955	976
55	599	604	612	635	638	656	670	676	676	666	650	621	604	618	659	694	712	723	728
60	465	467	478	483	483	471	457	463	492	515	513	496	489	496	513	520	505	489	482
65	329	330	349	365	362	341	328	330	349	376	387	380	379	382	395	405	393	374	359
70	246	251	265	281	283	271	248	247	265	282	289	278	273	270	279	290	281	261	247
75	184	188	195	203	208	213	212	210	209	207	209	205	203	204	208	212	214	207	198
80	139	144	140	138	141	150	155	155	151	145	144	144	145	146	141	134	147	155	154
85	64.7	69.0	70.4	75.2	79.7	68.1	59.3	49.2	37.9	27.1	19.4	13.7	8.78	4.97	2.14	0.51	0.00	0.59	2.35
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	23.1	32.1	39.7	44.7	45.4	45.4	44.5	40.8	35.7	30.1	23.9	17.7	11.9	6.97	3.19	0.81	0.00	0.82	3.26
100	104	120	135	144	154	172	183	191	196	201	205	208	210	212	214	215	216	218	218
105	258	275	294	308	321	338	349	358	369	380	390	397	402	408	412	415	417	419	418
110	453	471	491	504	518	534	549	559	569	578	587	593	599	605	610	614	618	619	618
115	668	676	691	709	721	736	749	762	776	787	795	802	808	814	819	822	826	828	829
120	870	883	898	911	931	939	952	967	974	982	991	1000	1009	1017	1025	1030	1034	1036	1037
125	1070	1089	1092	1105	1116	1134	1140	1149	1161	1173	1179	1183	1187	1192	1197	1201	1205	1207	1209
130	1247	1257	1268	1275	1286	1294	1307	1322	1325	1331	1337	1345	1353	1360	1366	1371	1375	1377	1378
135	1405	1409	1423	1429	1435	1448	1452	1460	1471	1482	1488	1491	1494	1498	1502	1506	1509	1511	1513
140	1541	1548	1555	1570	1571	1576	1585	1594	1597	1603	1609	1616	1623	1630	1635	1639	1642	1644	1644
145	1661	1671	1673	1682	1693	1696	1699	1704	1712	1720	1723	1726	1730	1733	1736	1739	1742	1744	1745
150	1766	1773	1779	1782	1788	1797	1805	1806	1808	1812	1816	1821	1826	1831	1835	1839	1842	1843	1844
155	1854	1859	1867	1871	1873	1877	1882	1889	1897	1899	1900	1901	1903	1905	1908	1910	1912	1913	1915
160	1928	1931	1935	1942	1948	1948	1949	1952	1955	1959	1963	1968	1971	1975	1978	1980	1982	1983	1983
165	1986	1987	1989	1993	1997	2001	2007	2008	2008	2010	2011	2012	2014	2016	2017	2018	2020	2021	2021
170	2029	2029	2030	2031	2033	2035	2037	2039	2042	2044	2047	2049	2051	2053	2055	2056	2057	2058	2058
175	2057	2057	2057	2057	2057	2057	2058	2058	2059	2059	2060	2061	2061	2062	2062	2063	2063	2063	2064
180	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
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	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266				
5	2246	2247	2247	2248	2249	2249	2250	2251	2252	2253	2255	2256	2258	2259	2261				
10	2225	2225	2226	2226	2226	2226	2226	2227	2227	2228	2229	2230	2232	2234	2237				
15	2177	2178	2180	2182	2184	2188	2191	2194	2193	2192	2192	2192	2193	2195	2199				
20	2125	2125	2125	2125	2125	2127	2129	2132	2137	2144	2143	2141	2141	2142	2145				
25	2031	2034	2038	2043	2051	2057	2055	2054	2056	2060	2068	2072	2069	2069	2073				
30	1929	1929	1928	1929	1931	1935	1943	1954	1954	1953	1958	1969	1973	1970	1974				
35	1750	1756	1762	1774	1798	1792	1790	1793	1802	1818	1816	1823	1844	1839	1840				
40	1552	1542	1518	1501	1504	1536	1582	1583	1571	1589	1629	1630	1649	1665	1658				
45	1277	1273	1242	1196	1170	1184	1212	1231	1260	1268	1295	1322	1342	1387	1354				
50	988	991	975	935	899	876	827	861	906	916	959	983	1007	1015	990				
55	730	735	730	695	665	662	646	648	681	723	755	781	808	809	794				
60	480	495	515	518	511	508	510	523	545	556	567	567	570	578	592				
65	351	360	378	387	374	367	373	395	419	418	393	372	349	374	421				
70	250	271	292	297	285	267	262	276	297	300	283	251	235	254	303				
75	198	209	218	216	204	185	182	201	211	209	205	204	208	220	236				
80	153	153	148	142	137	129	129	135	140	148	147	154	166	168	163				
85	5.25	9.32	13.7	18.7	25.0	31.4	40.5	49.7	59.4	74.2	78.0	78.2	82.1	80.9	87.0				
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	7.20	12.4	18.7	25.5	32.5	39.3	45.8	50.4	54.1	56.1	57.6	56.2	51.2	50.8	52.2				
100	219	219	219	217	216	215	211	207	201	191	189	187	183	185	187				
105	417	417	415	412	407	400	393	388	386	383	381	383	376	380	377				
110	618	618	618	616	614	610	606	601	599	597	597	592	590	588	584				
115	830	831	832	832	831	824	820	820	822	814	811	808	809	802	801				
120	1036	1034	1032	1029	1027	1027	1031	1026	1020	1021	1015	1018	1009	1004	1003				
125	1210	1212	1213	1216	1217	1210	1206	1204	1204	1198	1201	1192	1191	1184	1178				
130	1377	1376	1374	1371	1369	1370	1373	1365	1362	1365	1358	1354	1349	1349	1337				
135	1514	1515	1516	1518	1518	1512	1510	1510	1514	1504	1500	1499	1492	1496	1481				
140	1644	1642	1640	1639	1638	1639	1642	1638	1632	1630	1630	1623	1621	1617	1607				
145	1747	1748	1750	1752	1754	1749	1745	1743	1743	1736	1733	1736	1725	1718					
150	1844	1843	1842	1841	1840	1839	1839	1842	1837	1832	1829	1831	1827	1819	1814				
155	1916	1917	1918	1919	1921	1922	1917	1914	1911	1910	1911	1909	1902	1897	1894				
160	1983	1982	1981	1979	1978	1976	1975	1975	1976	1977	1973	1967	1963	1960	1959				
165	2022	2022	2023	2023	2024	2025	2026	2027	2022	2018	2015	2012	2010	2009	2009				
170	2058	2057	2057	2055	2054	2053	2051	2050	2048	2047	2046	2045	2044	2044	2044				
175	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2064	2065				
180	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069	2069				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.000m [K=1.2500]
Remarks: