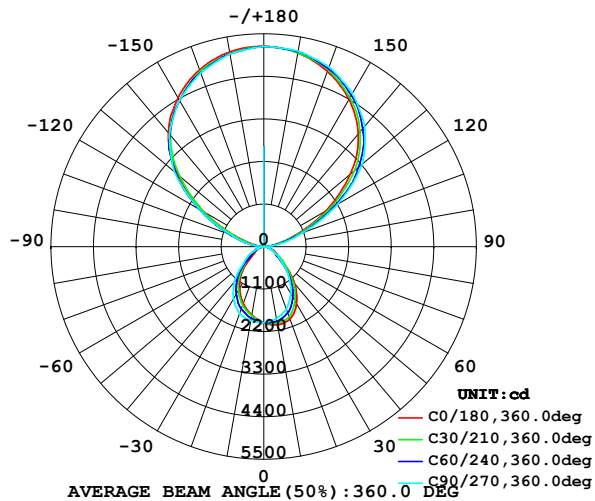


LUMINAIRE PHOTOMETRIC TEST REPORT

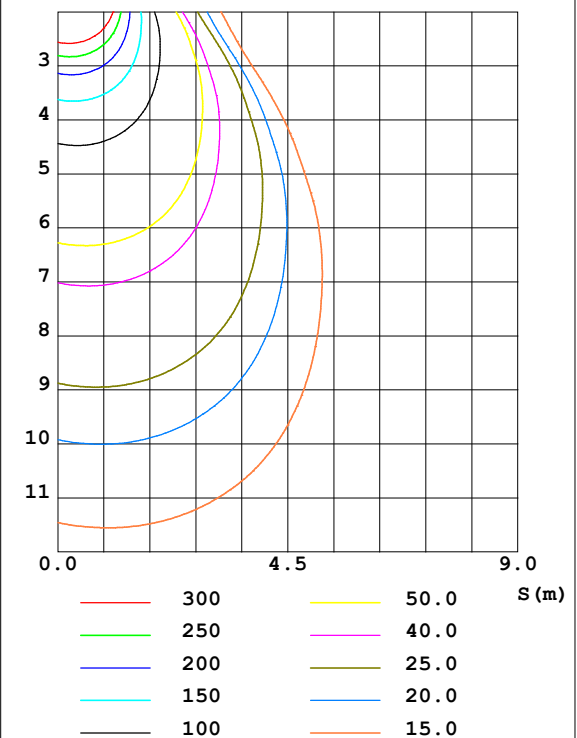
NAME: FS0049	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.50 lm/W			
MODEL	2835	I _{max} (cd)	5181	S/MH(C0/180)	1.25
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	17369	η UP,DN(C0-180)	40.3,10.5
NOMINAL FLUX(lm)	17369.3	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	37.9,11.3
LAMPS INSIDE	1	η up(%)	78.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	η down(%)	21.8	CIBSE SHR MAX	1.25

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: 2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.200m [K=1.2195]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2025	1984	1933	1890	1890	1911	1963	2006	0- 5	46.79	46.79	0.27,0.27
10	2053	1986	1897	1804	1795	1844	1957	2029	5- 10	138.3	185.1	1.07,1.07
15	2046	1959	1809	1705	1688	1763	1903	2023	10- 15	224.1	409.2	2.36,2.36
20	1993	1867	1722	1573	1564	1649	1849	1956	15- 20	299.0	708.2	4.08,4.08
25	1877	1741	1565	1433	1418	1525	1712	1854	20- 25	357.8	1066	6.14,6.14
30	1697	1564	1407	1269	1256	1368	1575	1686	25- 30	393.7	1460	8.4,8.4
35	1478	1356	1210	1088	1086	1194	1381	1477	30- 35	406.0	1866	10.7,10.7
40	1244	1129	1013	892.6	889.1	1017	1187	1257	35- 40	393.0	2259	13,13
45	954.3	846.3	808.9	673.1	663.1	790.5	936.3	972.9	40- 45	351.5	2610	15,15
50	666.0	611.9	605.1	517.7	434.7	602.2	685.3	699.1	45- 50	288.2	2898	16.7,16.7
55	455.6	488.2	470.5	414.7	342.2	480.9	567.3	540.0	50- 55	230.5	3129	18,18
60	371.1	369.7	336.0	311.2	287.1	366.9	449.3	414.3	55- 60	189.8	3319	19.1,19.1
65	297.4	282.9	252.3	242.7	222.5	274.2	313.0	316.7	60- 65	152.5	3471	20,20
70	216.1	210.2	168.5	182.4	152.9	201.1	176.8	228.6	65- 70	117.7	3589	20.7,20.7
75	140.1	152.5	136.9	135.9	96.66	159.3	148.2	170.4	70- 75	88.57	3678	21.2,21.2
80	96.90	95.63	105.2	85.12	68.52	110.5	119.6	112.8	75- 80	65.03	3743	21.5,21.5
85	59.03	25.48	0	22.53	19.43	33.52	0	32.74	80- 85	34.34	3777	21.7,21.7
90	8.557	0	0	0	3.814	0	0	0	85- 90	3.862	3781	21.8,21.8
95	117.1	69.74	0	82.56	62.82	87.77	0.0000	54.93	90- 95	10.64	3791	21.8,21.8
100	254.0	308.5	377.2	329.9	184.9	341.7	312.6	231.7	95-100	93.92	3885	22.4,22.4
105	487.9	575.3	713.2	579.4	384.7	580.2	604.3	428.8	100-105	216.4	4102	23.6,23.6
110	852.1	990.8	1049	995.3	723.0	939.4	896.0	767.2	105-110	367.5	4469	25.7,25.7
115	1334	1493	1628	1490	1214	1372	1395	1216	110-115	572.9	5042	29,29
120	1862	2073	2207	2050	1765	1870	1893	1760	115-120	801.3	5843	33.6,33.6
125	2384	2616	2771	2606	2322	2398	2458	2311	120-125	1016	6860	39.5,39.5
130	2919	3153	3335	3163	2894	2941	3024	2874	125-130	1195	8055	46.4,46.4
135	3408	3568	3700	3576	3426	3373	3410	3327	130-135	1311	9366	53.9,53.9
140	3802	3954	4065	3952	3843	3765	3796	3741	135-140	1358	10724	61.7,61.7
145	4129	4241	4324	4253	4171	4077	4080	4049	140-145	1338	12062	69.4,69.4
150	4403	4495	4582	4521	4441	4367	4364	4329	145-150	1266	13328	76.7,76.7
155	4629	4710	4763	4738	4677	4608	4575	4568	150-155	1150	14477	83.4,83.4
160	4819	4874	4945	4899	4864	4794	4787	4764	155-160	996.2	15474	89.1,89.1
165	4972	5020	5038	5040	5008	4957	4923	4938	160-165	809.4	16283	93.7,93.7
170	5087	5101	5131	5114	5111	5059	5059	5048	165-170	597.2	16880	97.2,97.2
175	5156	5150	5156	5157	5167	5131	5119	5124	170-175	365.8	17246	99.3,99.3
180	5180	5180	5180	5180	5180	5180	5180	5180	175-180	123.3	17369	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

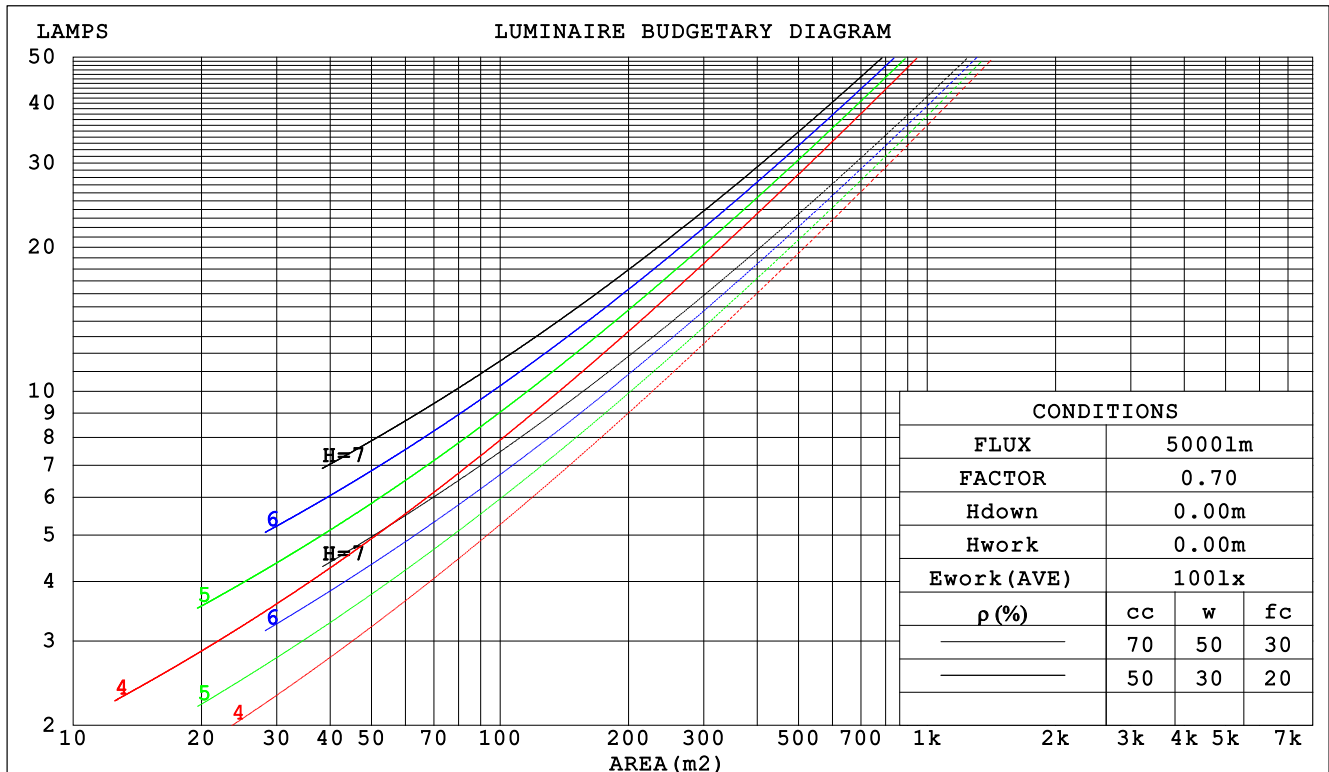
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-03-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity:65.0%
 Test Distance:8.200m [K=1.2195]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: FS0049	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	1.00	1.00	1.00	.89	.89	.89	.68	.68	.68	.48	.48	.48	.30	.30	.30	.22
1.0	.88	.84	.81	.78	.75	.72	.60	.58	.56	.43	.42	.41	.27	.27	.26	.19
2.0	.77	.71	.67	.69	.64	.60	.53	.49	.47	.38	.36	.34	.24	.23	.22	.16
3.0	.68	.61	.56	.61	.55	.50	.47	.43	.40	.34	.31	.29	.22	.21	.20	.14
4.0	.60	.53	.47	.54	.48	.43	.42	.37	.34	.30	.28	.25	.20	.18	.17	.13
5.0	.54	.46	.41	.48	.42	.37	.37	.33	.29	.27	.24	.22	.18	.16	.15	.11
6.0	.48	.41	.35	.43	.37	.32	.34	.29	.26	.25	.22	.20	.16	.15	.13	.10
7.0	.43	.36	.31	.39	.33	.28	.30	.26	.23	.22	.20	.17	.15	.13	.12	.09
8.0	.39	.32	.27	.35	.29	.25	.28	.23	.20	.21	.18	.15	.14	.12	.11	.08
9.0	.36	.29	.24	.32	.26	.22	.25	.21	.18	.19	.16	.14	.13	.11	.10	.08
10.0	.33	.26	.21	.29	.24	.20	.23	.19	.16	.17	.15	.13	.12	.10	.09	.07



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

WEC AND CCEC

NAME: FS0049	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	.258	.147	.046	.227	.130	.041	.170	.098	.031	.118	.068	.022	.069	.040	.013		
2.0	.239	.131	.040	.211	.116	.036	.159	.088	.027	.111	.062	.019	.066	.037	.012		
3.0	.222	.118	.035	.196	.105	.032	.148	.080	.024	.104	.057	.017	.062	.034	.011		
4.0	.206	.107	.031	.182	.095	.028	.138	.073	.022	.097	.052	.016	.059	.032	.010		
5.0	.191	.098	.028	.170	.087	.025	.129	.067	.020	.091	.048	.014	.055	.029	.009		
6.0	.179	.090	.026	.159	.080	.023	.121	.062	.018	.085	.044	.013	.052	.027	.008		
7.0	.167	.083	.023	.149	.074	.021	.113	.057	.016	.080	.041	.012	.049	.025	.007		
8.0	.157	.077	.022	.140	.069	.019	.107	.053	.015	.075	.038	.011	.046	.024	.007		
9.0	.148	.071	.020	.131	.064	.018	.100	.050	.014	.071	.036	.010	.044	.022	.006		
10.0	.139	.067	.019	.124	.060	.017	.095	.047	.013	.068	.034	.010	.042	.021	.006		

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	.787	.787	.787	.672	.672	.672	.459	.459	.459	.264	.264	.264	.084	.084	.084	
1.0	.778	.758	.739	.665	.650	.636	.455	.447	.440	.262	.259	.256	.084	.083	.083	
2.0	.770	.737	.709	.660	.635	.613	.452	.439	.428	.261	.255	.251	.084	.083	.082	
3.0	.763	.722	.689	.654	.623	.598	.449	.433	.419	.260	.253	.247	.083	.082	.081	
4.0	.757	.711	.676	.650	.614	.587	.447	.428	.413	.258	.251	.245	.083	.082	.080	
5.0	.751	.702	.666	.645	.607	.579	.444	.424	.409	.257	.249	.243	.083	.081	.080	
6.0	.745	.695	.659	.641	.602	.574	.442	.421	.406	.256	.248	.241	.083	.081	.080	
7.0	.740	.689	.654	.636	.598	.570	.440	.419	.404	.255	.247	.240	.083	.081	.079	
8.0	.735	.685	.650	.633	.594	.567	.438	.417	.402	.255	.246	.240	.082	.081	.079	
9.0	.730	.680	.647	.629	.591	.564	.436	.415	.401	.254	.245	.239	.082	.080	.079	
10.0	.725	.677	.645	.625	.588	.563	.434	.414	.400	.253	.244	.239	.082	.080	.079	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

Uncorrected UGR Table

NAME: FS0049					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					11.1	11.9	12.3	13.0	14.5	10.3	11.0	11.4	12.1	13.6
3H					11.9	12.5	13.0	13.6	15.1	11.0	11.6	12.1	12.8	14.3
4H					12.2	12.7	13.3	13.9	15.4	11.3	11.9	12.5	13.1	14.6
6H					12.4	12.9	13.5	14.0	15.6	11.7	12.2	12.8	13.3	14.9
8H					12.4	12.9	13.6	14.1	15.6	11.7	12.2	12.9	13.4	14.9
12H					12.5	13.0	13.6	14.1	15.7	11.6	12.1	12.8	13.3	14.9
4H 2H					11.1	11.7	12.2	12.8	14.4	10.4	11.0	11.5	12.1	13.7
3H					11.9	12.4	13.1	13.6	15.1	11.3	11.8	12.5	12.9	14.5
4H					12.4	12.8	13.6	14.0	15.6	11.8	12.2	12.9	13.4	15.0
6H					12.7	13.1	13.9	14.3	15.9	12.2	12.6	13.4	13.8	15.4
8H					12.9	13.2	14.0	14.4	16.0	12.3	12.6	13.5	13.8	15.4
12H					12.9	13.2	14.1	14.4	16.1	12.2	12.5	13.4	13.7	15.4
8H 4H					12.4	12.7	13.6	13.9	15.5	11.8	12.2	13.0	13.3	15.0
6H					12.9	13.2	14.1	14.4	16.0	12.4	12.7	13.6	13.9	15.5
8H					13.1	13.4	14.3	14.5	16.2	12.5	12.8	13.7	14.0	15.6
12H					13.2	13.5	14.5	14.6	16.3	12.5	12.7	13.7	13.9	15.5
12H 4H					12.3	12.6	13.5	13.8	15.4	11.8	12.1	13.0	13.3	14.9
6H					12.9	13.1	14.1	14.3	16.0	12.4	12.6	13.6	13.8	15.5
8H					13.1	13.3	14.3	14.5	16.2	12.5	12.8	13.8	13.9	15.6
Variations with the observer position at spacings:														
S = 1.0H					+ 0.4 / - 0.6					+ 0.4 / - 0.5				
1.5H					+ 0.2 / - 0.5					+ 0.3 / - 0.4				
2.0H					+ 0.7 / - 0.7					+ 0.7 / - 0.6				

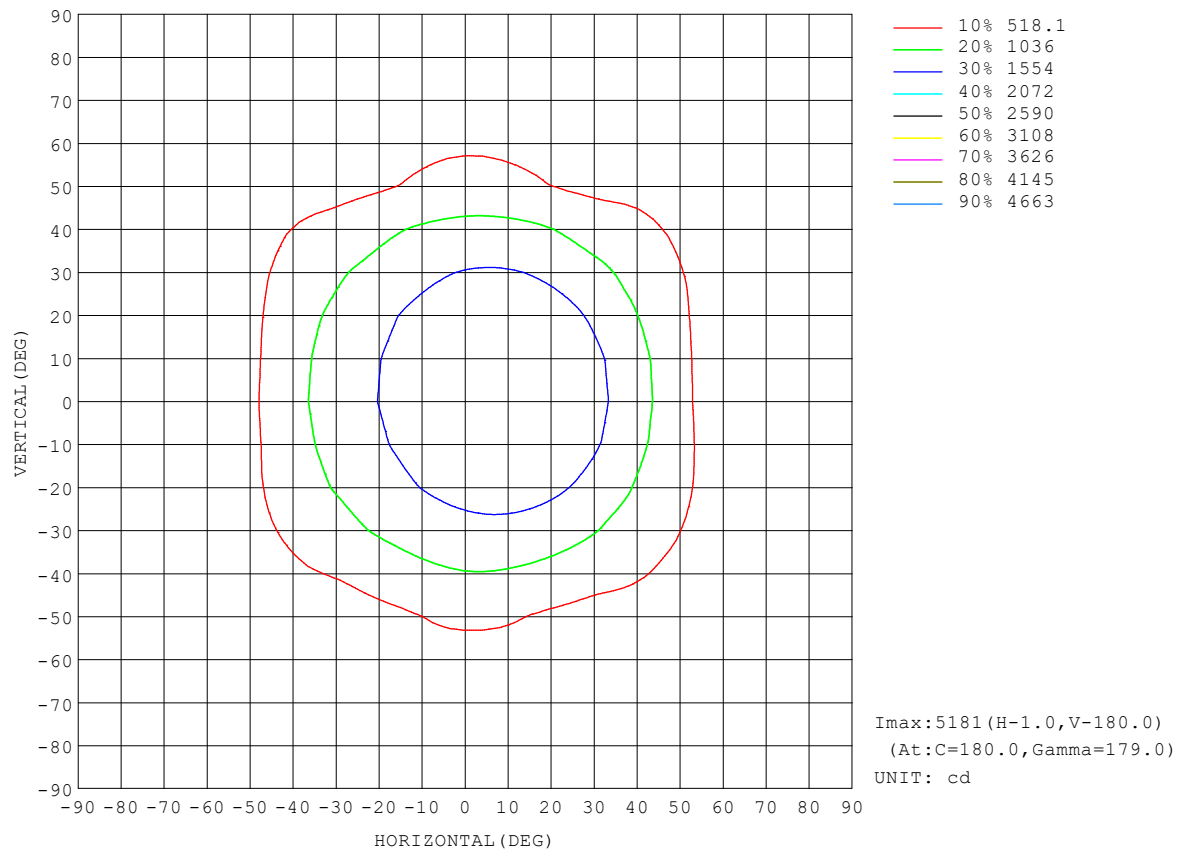
CIE Pub.117 Corrected 17369 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2026-03-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 8.200m [K=1.2195]
 Remarks:

ISOCANDELA DIAGRAM

NAME: FS0049	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

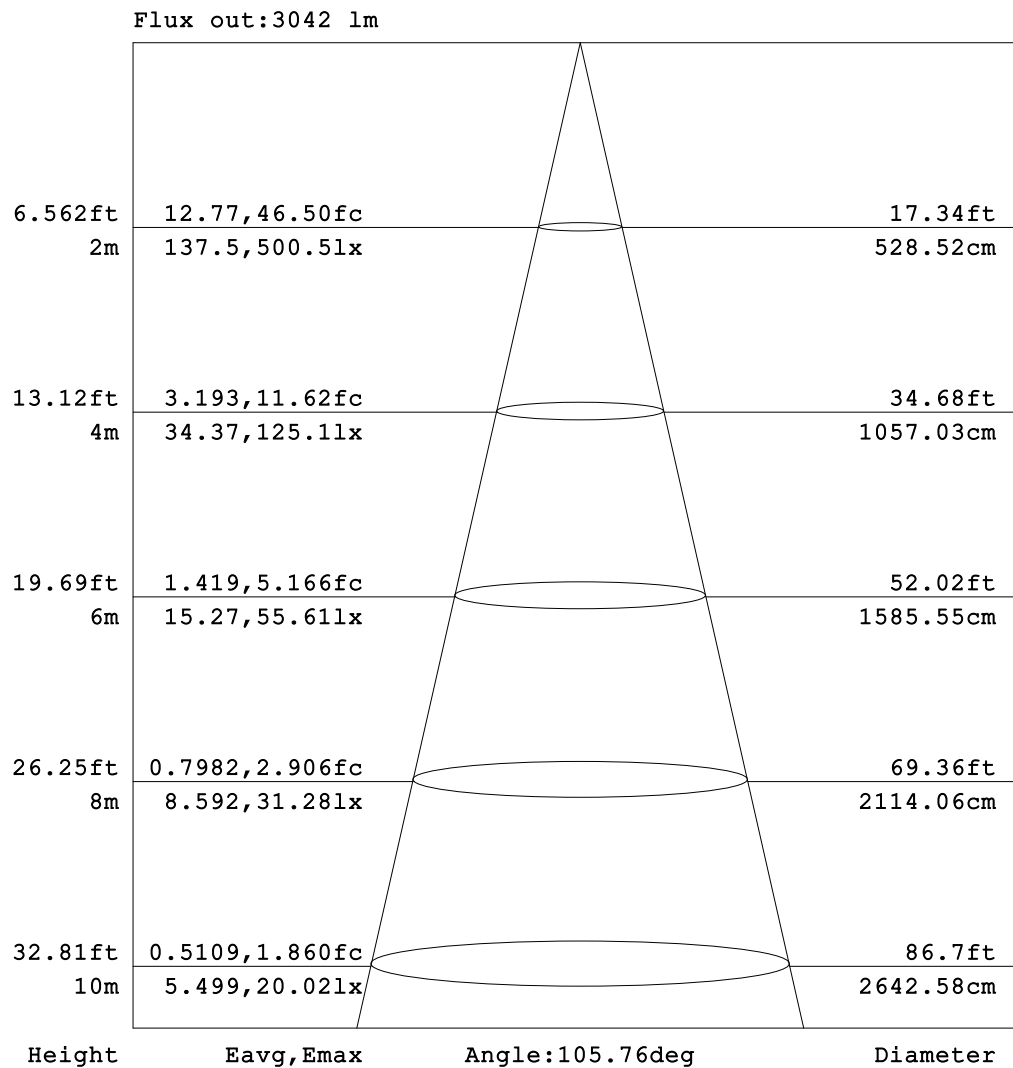


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-03-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.200m [K=1.2195]
Remarks:

AAI Figure

NAME: FS0049	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



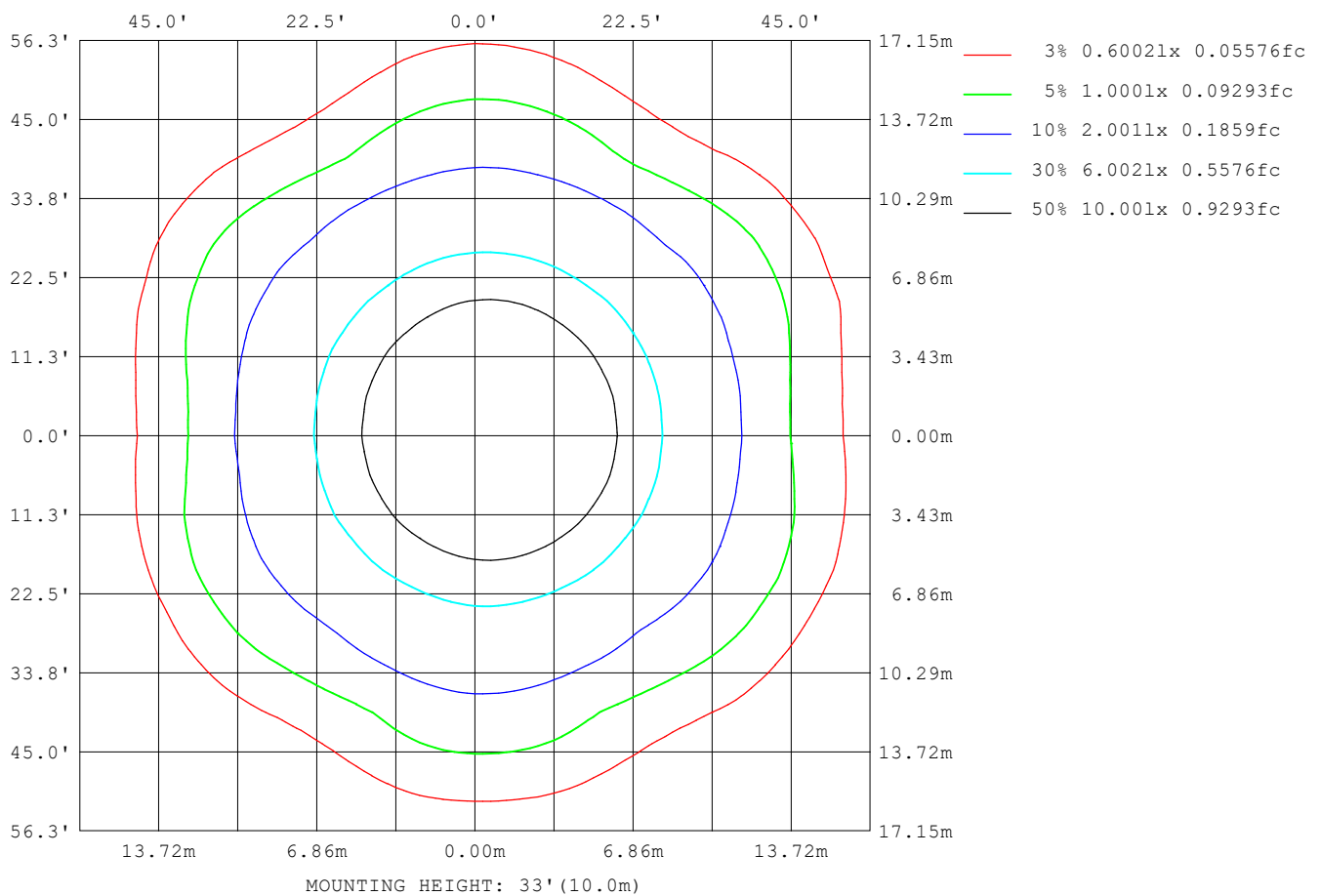
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

ISOLUX DIAGRAM

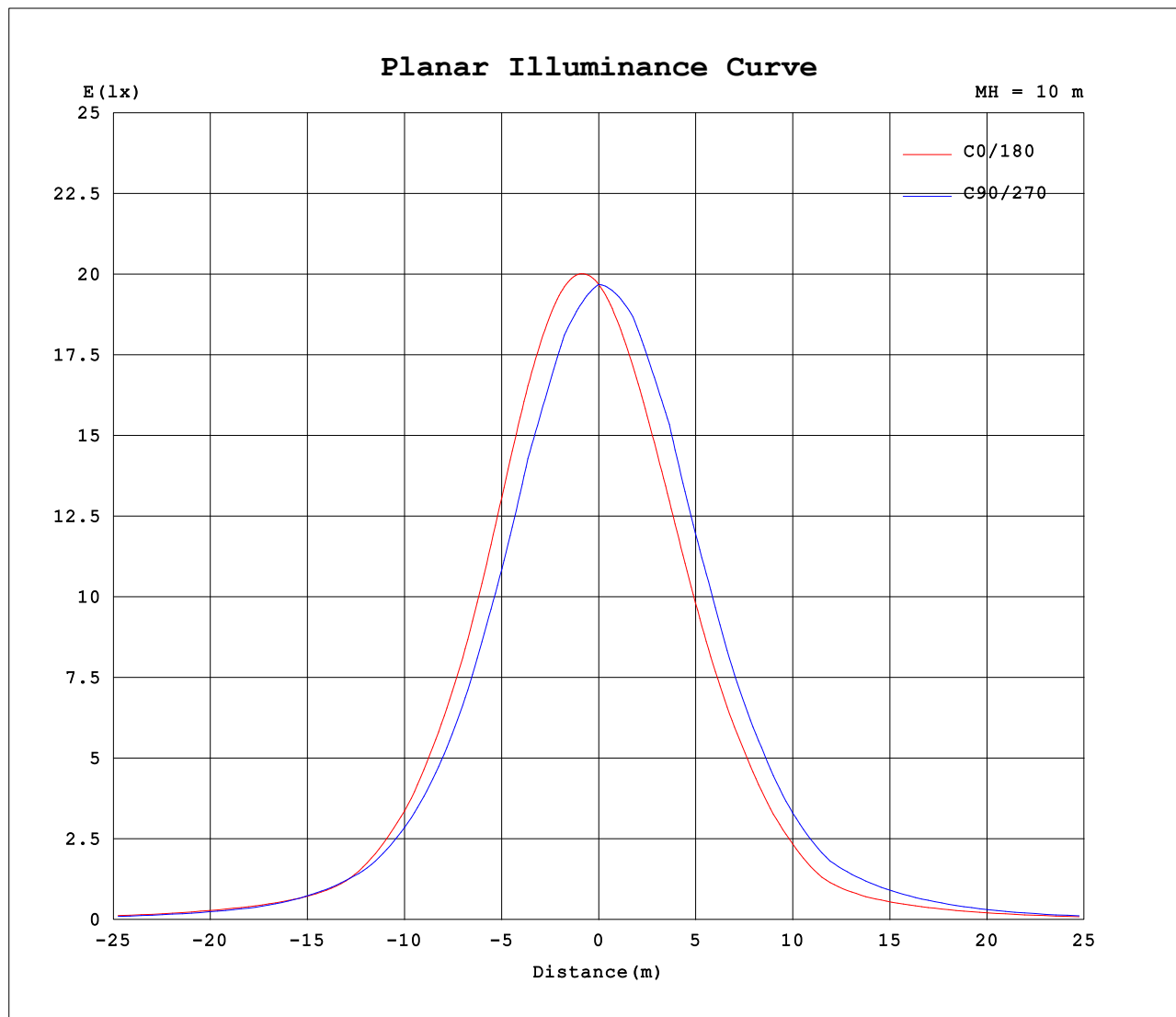
NAME: FS0049	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.200m [K=1.2195]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-03-18

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.200m [K=1.2195]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0049	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	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
5	2025	2021	2018	2014	2009	2005	2000	1995	1990	1984	1979	1973	1968	1962	1956	1950	1944	1938	1933
10	2053	2046	2039	2031	2024	2017	2009	2002	1994	1986	1977	1968	1959	1950	1940	1929	1918	1907	1897
15	2046	2035	2024	2015	2006	1998	1990	1983	1976	1959	1940	1922	1905	1889	1873	1856	1840	1825	1809
20	1993	1977	1964	1953	1945	1940	1932	1908	1887	1867	1850	1834	1820	1805	1790	1774	1757	1740	1722
25	1877	1857	1844	1836	1832	1817	1793	1773	1755	1741	1731	1711	1687	1665	1644	1624	1604	1584	1565
30	1697	1678	1668	1666	1655	1632	1613	1600	1587	1564	1542	1523	1504	1488	1472	1457	1442	1425	1407
35	1478	1462	1458	1462	1439	1424	1415	1393	1372	1356	1341	1326	1302	1281	1265	1251	1239	1226	1210
40	1244	1228	1231	1219	1204	1204	1172	1149	1141	1129	1098	1075	1057	1046	1038	1033	1030	1024	1013
45	954	934	939	920	912	916	902	877	872	846	816	806	806	806	809	814	817	816	809
50	666	666	677	691	698	708	704	685	659	612	590	584	579	571	577	592	604	608	605
55	456	475	502	537	553	565	550	541	518	488	450	412	399	410	432	456	469	472	471
60	371	381	391	396	407	397	393	389	379	370	355	338	332	337	343	348	345	339	336
65	297	296	301	294	283	266	255	255	275	283	275	266	264	268	273	274	270	258	252
70	216	220	227	224	213	186	180	186	199	210	206	197	193	200	207	208	199	179	169
75	140	149	161	163	159	154	147	148	153	152	144	137	136	142	149	151	149	141	137
80	96.9	98.5	94.2	99.0	103	104	109	108	102	95.6	91.6	92.6	93.8	93.5	92.7	95.5	100	104	105
85	59.0	43.7	41.2	41.2	43.0	44.3	45.2	40.1	32.9	25.5	20.1	16.6	12.7	8.71	5.49	3.21	1.52	0.39	0.00
90	8.56	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	117	109	104	103	105	106	105	93.5	81.6	69.7	60.1	51.1	41.4	30.9	20.9	12.2	5.55	1.41	0.00
100	254	254	251	248	250	257	257	277	297	308	322	336	349	359	365	369	372	374	377
105	488	494	500	498	504	513	524	551	568	575	592	622	648	667	682	694	703	709	713
110	852	867	870	876	885	902	926	940	953	991	1018	1037	1047	1049	1050	1049	1048	1047	1049
115	1334	1361	1361	1373	1373	1393	1420	1455	1478	1493	1508	1524	1551	1572	1592	1606	1615	1623	1628
120	1862	1886	1882	1891	1926	1932	1966	1993	2034	2073	2091	2106	2119	2134	2152	2169	2186	2200	2207
125	2384	2407	2419	2432	2449	2492	2509	2552	2584	2616	2652	2697	2721	2734	2742	2749	2758	2767	2771
130	2919	2932	2962	2959	2979	3009	3060	3072	3104	3153	3160	3179	3206	3236	3265	3291	3313	3329	3335
135	3408	3415	3461	3442	3455	3469	3501	3555	3554	3568	3595	3632	3647	3652	3660	3672	3686	3696	3700
140	3802	3808	3841	3847	3843	3863	3873	3896	3928	3954	3959	3965	3981	3997	4014	4032	4048	4061	4065
145	4129	4134	4154	4180	4166	4175	4198	4208	4221	4241	4258	4280	4287	4291	4297	4305	4314	4321	4324
150	4403	4401	4411	4433	4444	4445	4453	4471	4492	4495	4502	4513	4525	4538	4550	4562	4572	4579	4582
155	4629	4627	4632	4645	4665	4674	4676	4683	4695	4710	4727	4732	4733	4737	4742	4748	4754	4760	4763
160	4819	4815	4818	4825	4837	4853	4870	4868	4870	4874	4880	4888	4897	4906	4915	4924	4932	4939	4945
165	4972	4969	4969	4972	4977	4985	4995	5007	5020	5020	5019	5020	5022	5024	5027	5029	5033	5036	5038
170	5087	5084	5082	5082	5082	5085	5088	5092	5096	5101	5106	5111	5115	5119	5123	5127	5129	5130	5131
175	5156	5154	5152	5151	5150	5150	5149	5149	5150	5150	5151	5152	5152	5153	5153	5154	5155	5155	5156
180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0049	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	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
5	1927	1921	1916	1911	1906	1901	1897	1894	1890	1888	1886	1884	1884	1884	1884	1885	1887	1890	1890
10	1885	1874	1862	1851	1840	1831	1821	1812	1804	1798	1793	1788	1786	1784	1785	1787	1790	1795	1795
15	1794	1779	1765	1752	1739	1728	1719	1711	1705	1700	1690	1682	1676	1673	1673	1675	1680	1688	1687
20	1704	1685	1665	1647	1629	1611	1596	1583	1573	1565	1561	1561	1554	1547	1545	1547	1553	1564	1562
25	1546	1527	1510	1494	1479	1468	1459	1449	1433	1420	1411	1407	1406	1404	1399	1399	1406	1418	1416
30	1387	1368	1347	1328	1311	1296	1285	1275	1269	1268	1256	1248	1243	1243	1241	1238	1243	1256	1253
35	1191	1171	1152	1135	1123	1116	1115	1102	1088	1083	1084	1091	1080	1073	1076	1070	1073	1086	1083
40	995	973	949	928	908	894	888	888	893	879	876	887	893	870	867	868	870	889	885
45	793	769	742	715	693	673	654	660	673	674	675	683	673	658	648	636	642	663	661
50	591	565	533	504	493	491	490	499	518	539	548	553	544	530	506	471	447	435	440
55	463	446	417	385	364	356	367	394	415	426	429	426	423	405	393	365	352	342	349
60	339	340	332	320	305	297	302	312	311	309	306	298	297	304	298	294	291	287	295
65	260	265	264	257	244	236	239	246	243	225	202	203	215	229	236	232	226	223	232
70	182	194	199	195	182	175	178	186	182	167	157	156	161	170	172	168	158	153	159
75	143	145	144	140	131	124	125	131	136	133	127	125	120	112	105	98.5	99.9	96.7	102
80	103	96.8	90.1	89.1	88.6	84.9	81.0	81.2	85.1	88.2	86.1	77.8	71.0	64.8	56.1	52.4	51.7	68.5	73.4
85	0.39	1.46	3.03	5.30	8.30	11.4	14.2	17.5	22.5	27.7	30.0	30.1	27.4	24.5	22.6	20.7	16.6	19.4	29.7
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	3.81	0.00
95	1.44	5.71	12.7	22.1	33.3	45.5	57.9	70.0	82.6	97.2	112	129	125	116	105	96.6	85.5	62.8	73.4
100	381	382	383	384	380	373	362	347	330	313	287	261	252	235	227	211	192	185	125
105	715	711	705	697	684	664	637	602	579	569	543	509	483	460	443	416	394	385	324
110	1051	1055	1058	1063	1065	1062	1051	1029	995	950	920	883	841	822	789	758	728	723	694
115	1627	1625	1619	1608	1594	1574	1546	1520	1490	1457	1416	1371	1340	1303	1271	1262	1217	1214	1183
120	2203	2197	2186	2170	2156	2140	2117	2087	2050	2001	1956	1927	1872	1841	1818	1793	1768	1765	1726
125	2769	2766	2762	2755	2748	2736	2703	2650	2606	2564	2519	2457	2412	2387	2392	2335	2314	2322	2270
130	3330	3319	3301	3278	3252	3224	3198	3179	3163	3094	3041	3003	2972	2961	2934	2903	2880	2894	2834
135	3698	3695	3688	3681	3675	3672	3654	3614	3576	3540	3523	3489	3482	3476	3433	3425	3405	3426	3370
140	4064	4058	4047	4033	4015	3997	3980	3964	3952	3926	3906	3902	3906	3863	3843	3833	3825	3843	3794
145	4322	4318	4309	4301	4293	4287	4284	4269	4253	4242	4237	4234	4209	4188	4181	4161	4157	4171	4131
150	4579	4573	4562	4550	4539	4530	4524	4520	4521	4525	4506	4485	4471	4463	4450	4435	4432	4441	4413
155	4765	4764	4762	4758	4756	4754	4754	4753	4738	4724	4713	4707	4704	4695	4678	4670	4669	4677	4653
160	4947	4948	4945	4939	4931	4922	4914	4905	4899	4895	4894	4897	4885	4871	4861	4857	4858	4864	4845
165	5040	5041	5041	5041	5039	5039	5038	5038	5040	5039	5029	5020	5012	5006	5003	5002	5004	5008	4994
170	5132	5131	5130	5129	5126	5124	5120	5117	5114	5111	5108	5106	5104	5103	5103	5105	5107	5111	5100
175	5156	5156	5157	5157	5157	5157	5157	5157	5157	5158	5158	5159	5159	5160	5162	5163	5165	5167	5162
180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0049	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	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
5	1890	1892	1893	1896	1899	1903	1907	1911	1916	1921	1927	1933	1939	1945	1951	1957	1963	1968	1974
10	1796	1799	1803	1809	1816	1824	1833	1844	1855	1868	1881	1893	1906	1919	1932	1945	1957	1967	1978
15	1688	1692	1699	1709	1721	1735	1751	1763	1775	1788	1803	1819	1836	1853	1869	1887	1903	1918	1933
20	1564	1571	1582	1597	1612	1620	1633	1649	1667	1688	1711	1735	1759	1783	1806	1828	1849	1868	1884
25	1420	1430	1445	1457	1467	1482	1501	1525	1552	1570	1586	1604	1625	1646	1669	1690	1712	1732	1752
30	1259	1272	1285	1296	1313	1333	1357	1368	1383	1402	1423	1447	1474	1501	1528	1552	1575	1594	1610
35	1091	1107	1115	1133	1156	1167	1179	1194	1214	1237	1254	1274	1296	1319	1341	1362	1381	1398	1413
40	899	913	930	961	964	978	1002	1017	1018	1033	1058	1086	1112	1134	1155	1172	1187	1200	1209
45	681	690	708	736	746	758	787	791	791	815	845	862	875	889	905	921	936	947	953
50	462	502	537	571	593	608	616	602	592	594	595	598	609	628	648	669	685	693	689
55	363	392	420	455	479	504	499	481	453	420	406	419	450	489	525	552	567	568	554
60	305	317	336	338	355	365	366	367	359	345	337	338	353	383	418	440	449	446	433
65	243	254	250	241	234	237	258	274	277	276	273	275	287	305	318	318	313	314	321
70	176	188	186	171	160	161	173	201	214	215	213	220	233	239	224	197	177	184	213
75	118	131	135	135	126	131	147	159	162	159	154	159	172	179	171	158	148	153	166
80	80.5	85.0	92.2	97.6	104	107	109	110	110	105	97.6	98.4	109	118	119	120	120	123	122
85	37.7	41.3	46.7	52.4	55.7	49.5	41.5	33.5	25.9	18.9	12.7	8.93	6.41	3.99	1.81	0.46	0.00	0.47	1.85
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	97.5	105	111	117	127	114	102	87.8	72.2	57.4	43.6	31.0	20.1	11.3	4.95	1.22	0.00	1.15	4.44
100	145	167	187	216	245	285	317	342	349	353	354	353	348	341	331	322	313	305	298
105	292	309	343	392	453	514	559	580	591	609	621	628	630	629	623	615	604	592	578
110	651	630	653	696	778	850	902	939	961	971	972	965	955	942	926	910	896	883	871
115	1189	1150	1148	1195	1238	1299	1344	1372	1388	1396	1411	1420	1425	1424	1417	1408	1395	1378	1358
120	1720	1708	1714	1731	1778	1803	1835	1870	1894	1910	1921	1923	1924	1922	1915	1906	1893	1875	1853
125	2256	2272	2253	2261	2296	2340	2371	2398	2423	2451	2470	2479	2481	2478	2473	2467	2458	2443	2425
130	2820	2817	2820	2818	2835	2859	2894	2941	2946	2955	2967	2982	2996	3008	3018	3025	3024	3007	2983
135	3359	3338	3353	3343	3335	3355	3355	3373	3397	3427	3435	3429	3425	3419	3416	3414	3410	3400	3388
140	3773	3759	3758	3780	3758	3749	3757	3765	3763	3770	3782	3793	3800	3802	3802	3800	3796	3790	3781
145	4111	4109	4095	4097	4110	4090	4077	4077	4086	4096	4094	4093	4091	4089	4087	4083	4080	4076	4071
150	4396	4393	4386	4372	4367	4370	4377	4367	4360	4358	4357	4359	4362	4364	4367	4366	4364	4360	4354
155	4638	4631	4634	4627	4614	4608	4606	4608	4613	4606	4598	4591	4588	4584	4581	4579	4575	4573	4570
160	4832	4824	4822	4824	4825	4810	4800	4794	4790	4788	4788	4789	4790	4791	4790	4789	4787	4784	4780
165	4982	4973	4967	4964	4963	4963	4964	4957	4948	4942	4937	4932	4930	4928	4926	4924	4923	4921	4921
170	5091	5083	5076	5071	5066	5063	5060	5059	5057	5057	5058	5058	5058	5059	5059	5059	5059	5057	5057
175	5157	5152	5147	5143	5140	5136	5133	5131	5128	5126	5125	5124	5122	5121	5120	5120	5119	5119	5119
180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS0049	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	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969				
5	1979	1985	1990	1994	1998	2002	2006	2009	2012	2015	2018	2020	2021	2023	2024				
10	1988	1997	2005	2012	2018	2024	2029	2033	2036	2039	2042	2045	2047	2049	2051				
15	1948	1961	1974	1987	1999	2011	2023	2033	2034	2035	2035	2036	2038	2040	2042				
20	1899	1911	1922	1931	1939	1947	1956	1966	1978	1992	1990	1986	1984	1985	1987				
25	1770	1788	1805	1823	1841	1854	1854	1856	1860	1868	1881	1884	1874	1869	1870				
30	1623	1634	1643	1653	1663	1674	1686	1700	1698	1696	1700	1710	1707	1694	1691				
35	1427	1439	1449	1460	1471	1474	1477	1482	1491	1495	1489	1489	1498	1481	1473				
40	1218	1225	1230	1233	1234	1241	1257	1263	1260	1260	1268	1256	1256	1254	1239				
45	959	968	977	986	982	968	973	998	1006	984	985	979	966	976	954				
50	685	685	683	688	697	696	699	741	749	743	739	715	699	688	667				
55	533	504	470	444	451	496	540	576	600	594	583	553	512	478	459				
60	412	385	368	364	370	389	414	435	443	451	436	433	403	385	370				
65	319	304	293	295	306	314	317	307	287	287	296	306	315	314	300				
70	238	243	231	224	229	236	229	206	188	183	192	221	236	234	222				
75	177	177	165	156	159	167	170	162	147	137	148	160	167	163	146				
80	117	108	97.3	95.2	101	109	113	116	119	122	114	111	109	107	101				
85	3.97	6.36	8.69	12.2	17.8	25.0	32.7	41.8	51.9	60.1	58.1	56.9	53.4	52.6	57.6				
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				
95	9.55	16.0	23.0	29.8	36.5	45.1	54.9	64.8	75.1	81.3	79.3	77.2	72.8	77.1	89.8				
100	291	282	271	258	246	240	232	218	204	188	183	178	184	198	213				
105	563	545	524	499	472	446	429	420	411	397	394	394	405	441	475				
110	861	852	843	831	815	796	767	734	738	744	744	764	787	811	836				
115	1335	1312	1287	1258	1226	1218	1216	1213	1204	1202	1211	1230	1264	1284	1322				
120	1830	1814	1801	1790	1782	1771	1760	1744	1736	1740	1744	1776	1777	1805	1847				
125	2410	2399	2388	2376	2358	2331	2311	2299	2296	2285	2300	2298	2315	2346	2371				
130	2959	2935	2912	2892	2879	2873	2874	2841	2829	2840	2823	2828	2845	2893	2899				
135	3379	3374	3372	3375	3371	3344	3327	3326	3344	3313	3308	3325	3346	3402	3385				
140	3771	3760	3750	3742	3733	3732	3741	3731	3716	3716	3729	3734	3764	3785	3781				
145	4066	4063	4061	4073	4078	4062	4049	4045	4049	4057	4057	4074	4113	4106	4108				
150	4347	4340	4334	4327	4330	4327	4329	4335	4333	4335	4346	4367	4374	4371	4381				
155	4568	4567	4567	4568	4572	4576	4568	4566	4570	4580	4596	4604	4600	4602	4612				
160	4777	4773	4769	4765	4762	4761	4764	4770	4780	4794	4791	4786	4787	4792	4803				
165	4920	4921	4922	4924	4926	4931	4938	4944	4939	4936	4936	4938	4942	4949	4959				
170	5055	5054	5053	5051	5050	5049	5048	5047	5048	5049	5052	5056	5062	5069	5077				
175	5119	5119	5120	5120	5121	5123	5124	5126	5129	5131	5134	5138	5142	5146	5151				
180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-03-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.200m [K=1.2195]
Remarks: