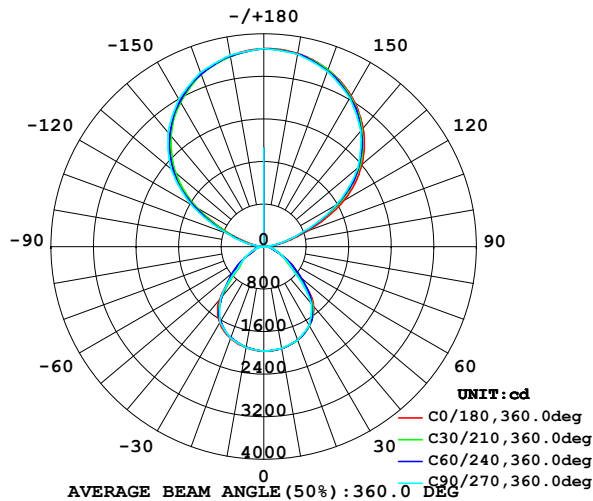


LUMINAIRE PHOTOMETRIC TEST REPORT

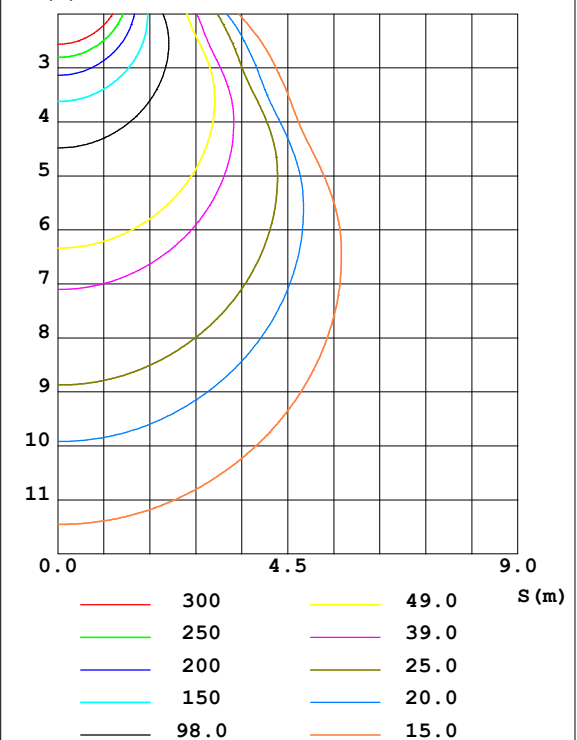
Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.92 lm/W			
MODEL	2835	I _{max} (cd)	3727	S/MH(C0/180)	1.29
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14578	η UP,DN(C0-180)	35.1,15.5
NOMINAL FLUX(lm)	14578.2	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	34.8,14.6
LAMPS INSIDE	1	η up(%)	69.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	η down(%)	30.2	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: 2026-01-06

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: RA80

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1963	1958	1956	1952	1955	1945	1946	1951	0- 5	46.82	46.82	0.32,0.32
10	1944	1942	1945	1929	1928	1916	1926	1928	5- 10	138.9	185.7	1.27,1.27
15	1910	1915	1906	1897	1888	1877	1878	1894	10- 15	226.9	412.6	2.83,2.83
20	1864	1864	1868	1842	1835	1814	1829	1837	15- 20	307.9	720.5	4.94,4.94
25	1802	1805	1790	1776	1760	1740	1737	1769	20- 25	379.2	1100	7.54,7.54
30	1719	1718	1712	1675	1659	1626	1645	1671	25- 30	436.3	1536	10.5,10.5
35	1609	1600	1557	1531	1516	1461	1452	1541	30- 35	473.5	2009	13.8,13.8
40	1458	1446	1401	1330	1289	1237	1259	1369	35- 40	479.2	2489	17.1,17.1
45	1216	1164	1077	1027	953.2	961.3	943.7	1079	40- 45	441.7	2930	20.1,20.1
50	869.0	873.1	753.1	756.6	757.1	719.2	628.7	801.5	45- 50	365.1	3295	22.6,22.6
55	707.1	677.0	605.5	587.5	553.4	548.4	511.3	614.7	50- 55	293.3	3589	24.6,24.6
60	525.6	505.9	457.8	461.6	367.1	423.7	393.9	452.5	55- 60	238.9	3828	26.3,26.3
65	332.2	367.3	351.7	353.1	244.2	322.6	300.3	319.9	60- 65	185.4	4013	27.5,27.5
70	219.1	275.2	245.7	267.2	200.2	239.5	206.7	238.0	65- 70	142.6	4156	28.5,28.5
75	170.9	200.7	193.6	194.5	168.6	166.9	155.3	178.1	70- 75	109.3	4265	29.3,29.3
80	149.8	135.1	141.5	135.7	106.4	110.2	104.0	112.3	75- 80	80.88	4346	29.8,29.8
85	78.40	39.83	0	42.36	29.06	32.48	0	30.51	80- 85	44.79	4391	30.1,30.1
90	6.387	0	0	0	4.488	0	0	0	85- 90	5.162	4396	30.2,30.2
95	110.2	51.52	0	47.38	27.91	56.50	0.0000	57.92	90- 95	6.869	4403	30.2,30.2
100	282.3	236.6	195.0	213.8	156.3	230.2	216.6	248.7	95-100	70.68	4473	30.7,30.7
105	531.4	446.9	459.4	400.9	341.7	406.8	470.2	453.5	100-105	175.0	4648	31.9,31.9
110	877.7	775.7	723.7	701.9	615.1	688.7	723.9	780.0	105-110	303.8	4952	34.34
115	1313	1176	1157	1066	991.8	1042	1146	1173	110-115	472.6	5425	37.2,37.2
120	1741	1631	1590	1482	1433	1456	1568	1613	115-120	655.9	6081	41.7,41.7
125	2104	2001	1952	1858	1841	1836	1923	1976	120-125	811.2	6892	47.3,47.3
130	2408	2340	2313	2208	2182	2184	2279	2311	125-130	918.8	7811	53.6,53.6
135	2676	2611	2576	2486	2476	2461	2540	2587	130-135	976.1	8787	60.3,60.3
140	2906	2871	2838	2750	2731	2723	2801	2848	135-140	992.6	9779	67.1,67.1
145	3106	3073	3035	2967	2957	2942	3000	3050	140-145	971.0	10750	73.7,73.7
150	3282	3254	3232	3167	3153	3143	3200	3233	145-150	916.3	11667	80.80
155	3426	3406	3369	3331	3317	3309	3342	3387	150-155	830.3	12497	85.7,85.7
160	3542	3520	3507	3458	3453	3437	3484	3502	155-160	717.9	13215	90.6,90.6
165	3628	3622	3590	3572	3561	3554	3569	3606	160-165	582.5	13797	94.6,94.6
170	3689	3674	3674	3642	3643	3628	3653	3662	165-170	429.4	14227	97.6,97.6
175	3720	3708	3698	3690	3698	3682	3688	3700	170-175	263.0	14490	99.4,99.4
180	3723	3723	3723	3723	3723	3723	3723	3723	175-180	88.64	14578	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

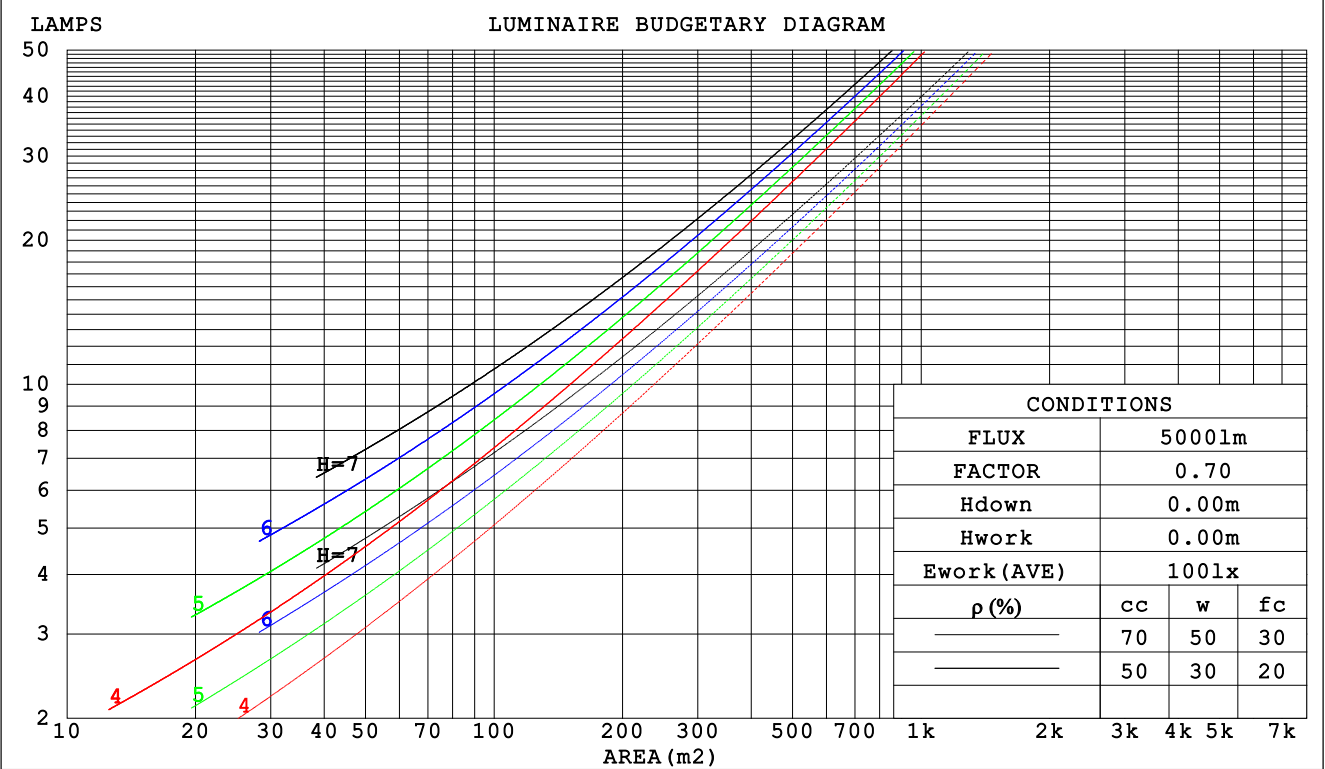
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	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	1.02	1.02	1.02	.92	.92	.92	.72	.72	.72	.54	.54	.54	.38	.38	.38	.30
1.0	.90	.86	.83	.81	.78	.75	.64	.62	.60	.48	.47	.46	.34	.33	.33	.26
2.0	.79	.73	.68	.71	.66	.62	.56	.53	.50	.43	.41	.39	.30	.29	.28	.23
3.0	.69	.63	.57	.63	.57	.52	.50	.46	.43	.38	.36	.33	.27	.26	.24	.20
4.0	.62	.54	.49	.56	.49	.44	.45	.40	.37	.34	.31	.29	.25	.23	.21	.17
5.0	.55	.47	.42	.50	.43	.38	.40	.35	.32	.31	.28	.25	.22	.20	.19	.15
6.0	.49	.42	.36	.45	.38	.33	.36	.31	.28	.28	.25	.22	.20	.18	.17	.13
7.0	.44	.37	.32	.40	.34	.29	.33	.28	.24	.25	.22	.20	.19	.16	.15	.12
8.0	.40	.33	.28	.37	.30	.26	.30	.25	.22	.23	.20	.17	.17	.15	.13	.11
9.0	.37	.30	.25	.33	.27	.23	.27	.23	.19	.21	.18	.16	.16	.14	.12	.10
10.0	.34	.27	.22	.31	.25	.21	.25	.20	.17	.20	.16	.14	.15	.13	.11	.09



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

WEC AND CCEC

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	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	.261	.148	.047	.233	.133	.042	.180	.103	.033	.132	.076	.024	.087	.051	.016		
2.0	.242	.133	.041	.217	.119	.037	.169	.094	.029	.125	.070	.022	.084	.047	.015		
3.0	.225	.120	.036	.201	.108	.032	.157	.085	.026	.117	.064	.020	.079	.044	.014		
4.0	.209	.109	.032	.187	.098	.029	.147	.078	.023	.109	.059	.018	.074	.040	.012		
5.0	.194	.099	.029	.175	.090	.026	.137	.071	.021	.102	.054	.016	.070	.037	.011		
6.0	.181	.091	.026	.163	.082	.024	.128	.066	.019	.096	.050	.015	.066	.035	.010		
7.0	.170	.084	.024	.153	.076	.022	.121	.061	.018	.090	.046	.013	.062	.032	.009		
8.0	.159	.078	.022	.144	.071	.020	.113	.057	.016	.085	.043	.012	.059	.030	.009		
9.0	.150	.073	.020	.135	.066	.018	.107	.053	.015	.081	.040	.012	.056	.028	.008		
10.0	.142	.068	.019	.128	.062	.017	.101	.050	.014	.076	.038	.011	.053	.027	.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	.723	.723	.723	.618	.618	.618	.422	.422	.422	.242	.242	.242	.077	.077	.077	
1.0	.713	.693	.675	.610	.595	.581	.418	.409	.402	.240	.237	.234	.077	.076	.076	
2.0	.706	.672	.644	.605	.579	.557	.414	.400	.388	.239	.233	.228	.077	.075	.074	
3.0	.699	.657	.624	.599	.567	.541	.411	.394	.379	.238	.230	.224	.076	.075	.073	
4.0	.692	.646	.610	.594	.558	.530	.409	.389	.373	.236	.228	.221	.076	.074	.073	
5.0	.686	.637	.600	.589	.551	.522	.406	.385	.369	.235	.226	.219	.076	.074	.072	
6.0	.680	.629	.593	.585	.545	.516	.403	.382	.365	.234	.224	.217	.076	.073	.072	
7.0	.675	.623	.588	.580	.540	.512	.401	.379	.363	.233	.223	.216	.075	.073	.071	
8.0	.670	.619	.584	.576	.537	.509	.399	.377	.361	.232	.222	.215	.075	.073	.071	
9.0	.665	.614	.580	.573	.533	.506	.397	.375	.359	.231	.221	.214	.075	.073	.071	
10.0	.660	.611	.578	.569	.530	.504	.395	.373	.358	.230	.221	.214	.075	.072	.071	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

Uncorrected UGR Table

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm										
NAME: FS0035-GY					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	13.4	14.1	14.4	15.2	16.6	13.4	14.2	14.4	15.2	16.6
3H	14.0	14.7	15.1	15.8	17.2	14.1	14.8	15.2	15.9	17.3
4H	14.3	15.0	15.4	16.0	17.5	14.5	15.1	15.5	16.1	17.6
6H	14.6	15.2	15.7	16.3	17.7	14.8	15.4	15.9	16.4	17.9
8H	14.8	15.4	15.9	16.4	17.9	14.8	15.4	15.9	16.4	17.9
12H	14.9	15.4	16.0	16.5	18.0	14.7	15.3	15.8	16.3	17.8
4H 2H	13.5	14.1	14.6	15.2	16.6	13.5	14.1	14.5	15.1	16.6
3H	14.4	14.9	15.5	16.0	17.4	14.3	14.8	15.4	15.9	17.4
4H	14.8	15.2	15.9	16.3	17.8	14.8	15.3	15.9	16.3	17.8
6H	15.2	15.6	16.3	16.7	18.2	15.3	15.7	16.4	16.8	18.3
8H	15.4	15.8	16.5	16.9	18.4	15.3	15.7	16.5	16.8	18.4
12H	15.5	15.9	16.7	17.0	18.5	15.3	15.6	16.4	16.7	18.3
8H 4H	14.8	15.2	15.9	16.3	17.8	14.8	15.2	15.9	16.3	17.8
6H	15.4	15.7	16.5	16.8	18.4	15.5	15.8	16.6	16.9	18.4
8H	15.7	15.9	16.8	17.1	18.6	15.6	15.9	16.8	17.0	18.6
12H	15.9	16.1	17.0	17.2	18.8	15.5	15.8	16.7	16.9	18.5
12H 4H	14.7	15.1	15.9	16.2	17.7	14.8	15.1	15.9	16.2	17.8
6H	15.4	15.6	16.5	16.8	18.3	15.5	15.7	16.6	16.9	18.4
8H	15.7	15.9	16.9	17.1	18.7	15.6	15.9	16.8	17.0	18.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.6				
2.0H	+ 0.8 / - 0.4					+ 0.5 / - 0.7				

CIE Pub.117 Corrected 14578 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.3)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-01-06

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: RA80

UTILIZATION FACTORS TABLE

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

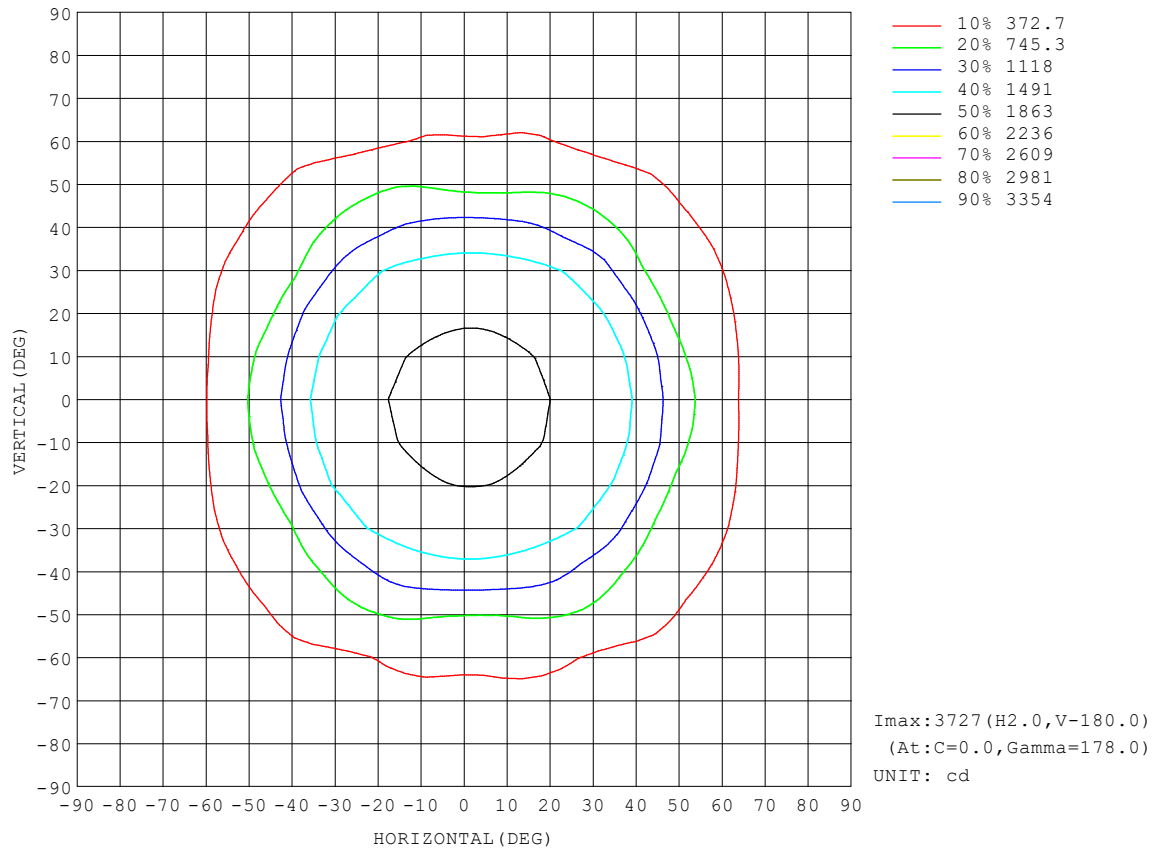
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	41	30	25	38	28	23	32	25	21	13
0.80	50	39	32	46	36	30	38	31	27	15
1.00	57	46	39	52	43	37	43	37	32	18
1.25	64	53	46	58	49	43	47	41	37	20
1.50	69	59	52	63	54	48	51	45	40	21
2.00	76	67	60	69	61	55	55	50	46	23
2.50	80	72	66	73	66	60	58	53	50	24
3.00	84	76	70	75	69	64	60	56	53	25
4.00	88	82	77	79	74	70	63	60	57	26
5.00	91	85	81	82	77	73	65	62	59	27
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2026-01-06

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: RA80

ISOCANDELA DIAGRAM

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

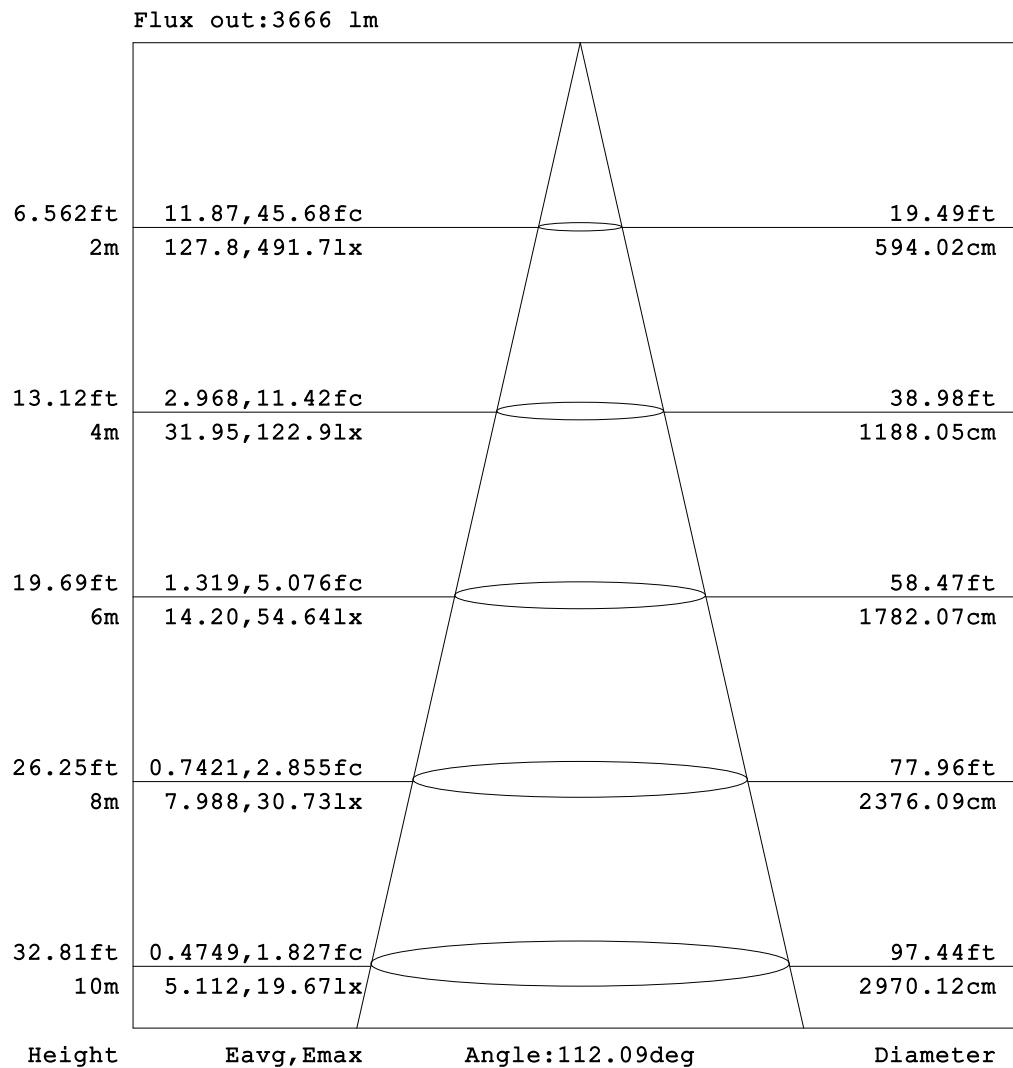


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-01-06

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: RA80

AAI Figure

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



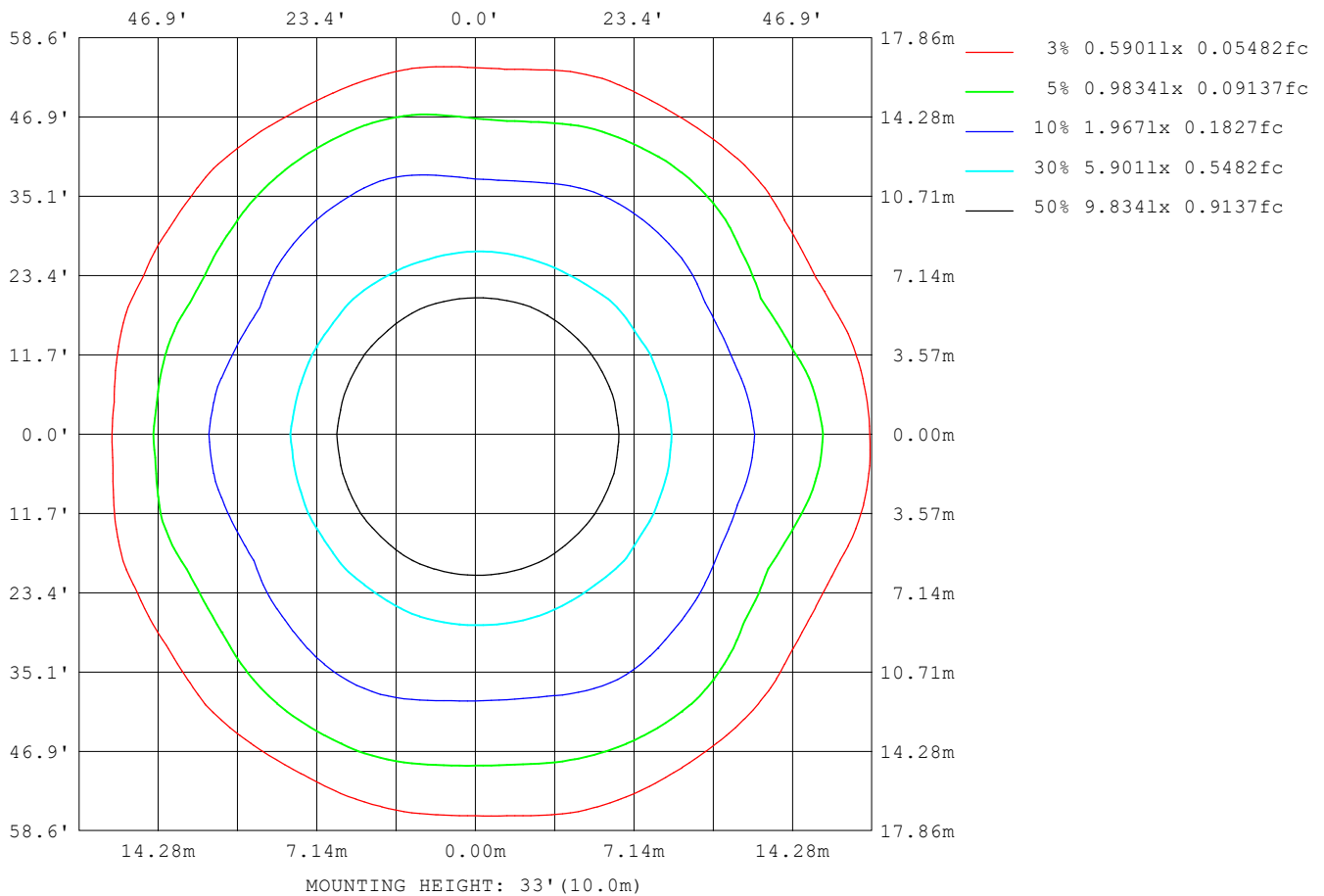
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-01-06

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: RA80

ISOLUX DIAGRAM

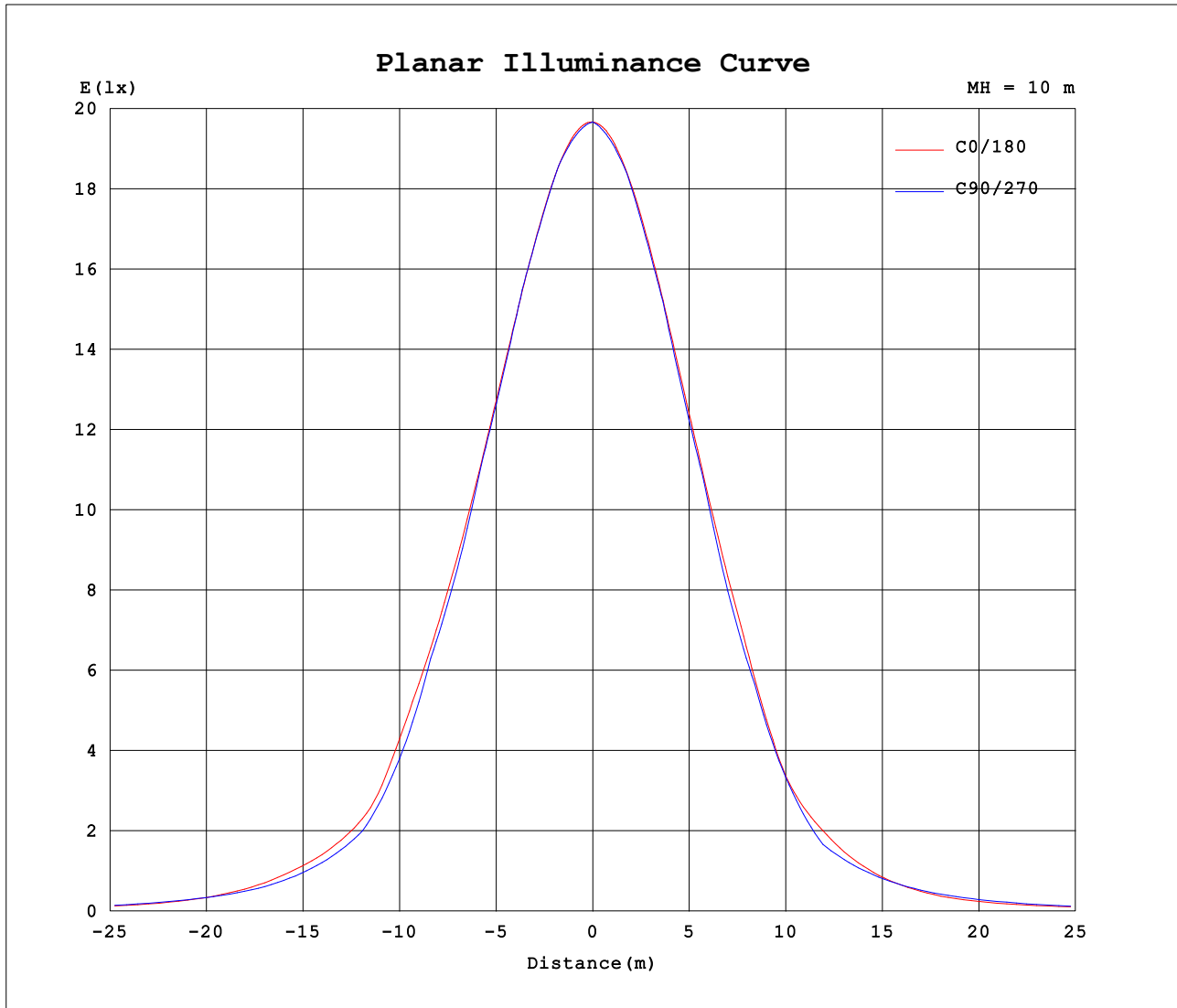
Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-01-06

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: RA80

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-01-06

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: RA80

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm																		
NAME: FS0035-GY									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	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
5	1963	1962	1961	1960	1960	1959	1959	1958	1958	1958	1958	1958	1957	1957	1957	1957	1956	1956	1956
10	1944	1942	1941	1940	1940	1940	1940	1940	1941	1942	1943	1944	1945	1945	1946	1946	1946	1945	1945
15	1910	1908	1907	1907	1907	1909	1911	1913	1916	1915	1913	1912	1911	1910	1910	1909	1908	1907	1906
20	1864	1861	1861	1862	1864	1868	1871	1868	1865	1864	1864	1865	1866	1867	1869	1869	1869	1869	1868
25	1802	1799	1800	1803	1808	1808	1804	1802	1803	1805	1809	1806	1802	1799	1797	1795	1793	1792	1790
30	1719	1716	1718	1724	1725	1720	1719	1722	1725	1718	1714	1712	1712	1713	1714	1715	1715	1714	1712
35	1609	1605	1608	1617	1607	1606	1610	1604	1600	1600	1604	1609	1595	1582	1572	1567	1563	1560	1557
40	1458	1452	1459	1451	1444	1453	1434	1432	1446	1446	1419	1408	1403	1402	1401	1401	1403	1404	1401
45	1216	1204	1219	1186	1182	1169	1162	1185	1182	1164	1154	1172	1184	1173	1150	1119	1095	1081	1077
50	869	857	845	818	814	809	830	859	878	873	899	926	932	908	867	817	776	755	753
55	707	695	664	612	576	546	570	590	638	677	706	719	710	693	672	646	622	607	605
60	526	529	519	500	473	462	461	468	490	506	512	513	514	515	512	503	483	463	458
65	332	344	372	384	378	370	367	380	383	367	336	318	343	371	386	388	375	356	352
70	219	235	265	283	281	272	274	285	290	275	252	239	244	263	278	280	269	249	246
75	171	179	192	200	195	182	189	199	204	201	190	178	178	190	203	206	205	195	194
80	150	144	136	134	130	128	125	127	131	135	137	138	138	139	140	137	141	142	142
85	78.4	62.5	62.5	64.4	67.2	66.9	66.3	57.7	48.1	39.8	33.5	26.8	19.6	13.4	8.43	4.64	2.14	0.54	0.00
90	6.39	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	110	98.3	88.8	85.3	85.2	83.2	78.6	69.7	60.6	51.5	42.4	33.5	25.2	17.8	11.6	6.59	2.95	0.74	0.00
100	282	270	258	248	243	236	226	229	232	237	235	231	225	218	211	205	200	197	195
105	531	521	510	497	488	472	457	455	451	447	446	454	459	461	462	462	462	461	459
110	878	868	850	839	825	801	786	769	758	776	786	786	778	766	754	743	734	728	724
115	1313	1309	1283	1280	1252	1227	1197	1185	1181	1176	1176	1182	1187	1186	1182	1175	1168	1162	1157
120	1741	1742	1721	1711	1711	1665	1645	1617	1618	1631	1619	1609	1601	1599	1599	1599	1597	1595	1590
125	2104	2098	2092	2089	2071	2062	2026	2020	2002	2001	2011	2023	2012	1995	1983	1973	1966	1959	1952
130	2408	2402	2407	2393	2385	2369	2364	2339	2334	2340	2329	2326	2326	2326	2326	2326	2324	2320	2313
135	2676	2669	2683	2662	2658	2641	2633	2637	2620	2611	2611	2618	2614	2604	2598	2592	2588	2582	2576
140	2906	2898	2906	2900	2888	2889	2874	2868	2870	2871	2860	2853	2849	2847	2846	2846	2845	2843	2838
145	3106	3098	3102	3113	3096	3089	3091	3083	3075	3073	3075	3078	3070	3061	3054	3049	3045	3040	3035
150	3282	3274	3274	3281	3280	3268	3263	3264	3266	3254	3249	3245	3243	3241	3240	3240	3239	3235	3232
155	3426	3418	3415	3417	3424	3422	3412	3407	3405	3406	3408	3403	3394	3389	3384	3381	3377	3373	3369
160	3542	3535	3531	3530	3533	3537	3540	3530	3523	3520	3517	3515	3514	3514	3513	3513	3511	3509	3507
165	3628	3622	3618	3616	3616	3616	3619	3622	3626	3622	3615	3610	3606	3603	3601	3598	3596	3593	3590
170	3689	3685	3681	3678	3676	3675	3674	3674	3674	3674	3675	3676	3677	3678	3679	3678	3677	3676	3674
175	3720	3718	3716	3714	3713	3711	3710	3709	3708	3708	3707	3706	3705	3704	3703	3702	3701	3700	3698
180	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm		
NAME: FS0035-GY	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	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
5	1955	1955	1954	1954	1953	1953	1953	1952	1952	1952	1952	1952	1952	1952	1953	1954	1954	1955	1954
10	1943	1942	1940	1939	1937	1935	1933	1931	1929	1928	1926	1925	1925	1924	1924	1925	1926	1928	1924
15	1904	1903	1902	1900	1898	1897	1896	1896	1897	1896	1893	1890	1887	1886	1885	1885	1886	1888	1884
20	1865	1863	1860	1856	1853	1850	1846	1843	1842	1840	1840	1843	1839	1834	1831	1830	1831	1835	1828
25	1788	1786	1783	1782	1781	1781	1783	1783	1776	1770	1766	1764	1766	1764	1757	1754	1755	1760	1751
30	1709	1706	1700	1694	1689	1683	1678	1675	1675	1678	1670	1662	1659	1660	1656	1651	1652	1659	1646
35	1553	1550	1548	1548	1550	1553	1560	1545	1531	1522	1523	1529	1515	1509	1515	1506	1506	1516	1497
40	1395	1387	1379	1371	1355	1340	1328	1327	1330	1300	1281	1281	1291	1271	1268	1270	1268	1289	1257
45	1080	1094	1114	1130	1124	1096	1061	1041	1027	1002	966	946	937	939	933	951	943	953	933
50	763	794	836	869	874	859	830	796	757	731	695	650	659	687	710	738	746	757	738
55	610	627	646	659	655	650	639	615	587	555	535	526	528	553	568	558	547	553	540
60	460	470	470	468	458	456	459	463	462	444	430	428	423	427	412	393	372	367	367
65	361	371	365	348	321	306	310	338	353	343	317	308	308	310	302	279	257	244	257
70	263	278	275	260	244	242	252	263	267	256	238	231	238	240	236	224	209	200	206
75	203	210	209	201	191	192	196	196	194	187	180	178	178	176	171	169	168	169	164
80	142	144	149	152	151	151	148	142	136	131	133	137	128	122	113	106	102	106	107
85	0.54	2.18	5.08	9.32	14.7	21.5	28.6	35.3	42.4	52.1	62.3	72.6	66.9	61.2	56.8	46.2	32.6	29.1	45.8
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	0.00	0.00	4.49	0.00
95	0.73	2.91	6.45	11.3	17.2	24.0	31.4	39.3	47.4	55.7	64.3	72.0	73.6	72.7	70.2	62.5	46.0	27.9	35.4
100	195	197	201	206	210	214	216	216	214	211	207	201	198	193	186	174	161	156	135
105	458	456	453	450	444	435	422	406	401	407	408	403	392	381	373	357	346	342	341
110	723	725	729	734	738	739	733	720	702	683	688	687	670	661	641	627	615	615	606
115	1154	1153	1153	1151	1143	1129	1104	1081	1066	1059	1054	1056	1055	1030	1009	1007	986	992	969
120	1584	1578	1569	1557	1542	1527	1509	1492	1482	1468	1471	1490	1471	1460	1441	1435	1422	1433	1402
125	1946	1943	1938	1933	1928	1922	1908	1877	1858	1858	1872	1862	1864	1852	1856	1835	1831	1841	1819
130	2306	2298	2288	2273	2257	2238	2222	2210	2208	2193	2188	2197	2190	2192	2181	2175	2169	2182	2163
135	2568	2560	2554	2548	2539	2532	2519	2498	2486	2481	2489	2477	2478	2484	2467	2473	2463	2476	2456
140	2829	2818	2808	2798	2785	2773	2760	2751	2750	2740	2734	2735	2746	2728	2723	2722	2719	2731	2713
145	3028	3018	3012	3006	3000	2995	2993	2980	2967	2963	2963	2967	2954	2946	2951	2943	2944	2957	2940
150	3225	3215	3206	3197	3188	3178	3171	3167	3167	3171	3159	3150	3146	3146	3142	3137	3141	3153	3137
155	3364	3358	3352	3348	3345	3344	3344	3342	3331	3323	3317	3315	3317	3313	3305	3303	3307	3317	3303
160	3502	3497	3491	3484	3477	3471	3466	3462	3458	3457	3458	3463	3456	3447	3443	3442	3446	3453	3443
165	3587	3584	3581	3578	3575	3573	3572	3571	3572	3571	3564	3559	3554	3551	3551	3552	3555	3561	3553
170	3672	3669	3666	3662	3658	3655	3650	3646	3642	3639	3637	3635	3633	3633	3634	3636	3639	3643	3637
175	3697	3697	3695	3694	3693	3692	3691	3691	3690	3690	3690	3690	3690	3691	3692	3694	3696	3698	3695
180	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm																		
NAME: FS0035-GY									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	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
5	1952	1951	1949	1948	1947	1947	1946	1945	1945	1945	1945	1945	1945	1945	1945	1946	1946	1947	1947
10	1922	1919	1918	1917	1916	1916	1916	1916	1917	1918	1919	1920	1921	1922	1924	1925	1926	1926	1927
15	1880	1878	1876	1876	1876	1877	1879	1877	1875	1873	1873	1873	1873	1874	1875	1876	1878	1879	1880
20	1824	1821	1821	1823	1824	1819	1816	1814	1814	1814	1816	1818	1820	1823	1825	1827	1829	1831	1832
25	1746	1744	1746	1743	1738	1736	1737	1740	1744	1741	1736	1733	1733	1733	1734	1735	1737	1740	1742
30	1640	1639	1636	1629	1627	1630	1634	1626	1623	1623	1624	1627	1631	1635	1640	1643	1645	1648	1650
35	1490	1490	1472	1473	1483	1467	1456	1461	1475	1488	1474	1461	1450	1444	1445	1448	1452	1457	1462
40	1246	1231	1223	1232	1214	1210	1215	1237	1239	1231	1227	1231	1232	1230	1239	1250	1259	1263	1264
45	933	905	903	889	882	893	933	961	972	966	973	998	1010	997	979	958	944	944	958
50	721	681	653	622	599	646	692	719	746	764	775	790	794	769	724	669	629	622	646
55	540	538	526	506	504	517	528	548	564	576	584	589	593	584	564	534	511	506	519
60	385	400	407	398	405	406	414	424	416	406	393	390	394	401	407	401	394	395	411
65	278	301	300	289	282	286	311	323	304	268	256	267	288	307	319	313	300	296	312
70	219	228	227	221	212	216	229	240	234	222	214	214	225	235	238	227	207	198	213
75	163	161	161	160	157	161	164	167	168	169	168	165	170	173	172	166	155	152	161
80	110	106	107	109	112	110	109	110	115	117	117	117	119	113	107	105	104	107	110
85	51.3	52.3	51.0	53.1	54.2	45.6	39.0	32.5	27.2	21.6	15.9	11.1	7.24	3.85	1.61	0.40	0.00	0.41	1.67
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	47.9	63.1	76.7	85.2	89.9	79.0	67.5	56.5	46.1	36.4	27.4	19.5	12.7	7.23	3.25	0.82	0.00	0.82	3.26
100	146	171	193	203	209	217	224	230	234	235	233	230	226	222	219	217	217	217	220
105	347	367	379	387	395	402	406	407	414	429	440	448	455	460	464	468	470	472	474
110	612	627	647	649	659	661	663	689	710	722	727	726	723	721	720	721	724	729	738
115	982	982	1002	1016	1008	1006	1026	1042	1057	1075	1098	1114	1124	1131	1135	1140	1146	1152	1160
120	1410	1415	1432	1429	1434	1423	1430	1456	1472	1484	1496	1508	1521	1536	1547	1559	1568	1574	1579
125	1819	1842	1830	1831	1820	1834	1824	1836	1858	1887	1897	1898	1899	1904	1909	1917	1923	1931	1939
130	2164	2168	2169	2161	2162	2153	2167	2184	2188	2201	2214	2229	2241	2252	2261	2272	2279	2284	2290
135	2459	2452	2463	2455	2448	2458	2451	2461	2475	2497	2508	2511	2517	2521	2527	2534	2540	2547	2554
140	2712	2710	2710	2721	2711	2705	2714	2723	2726	2734	2747	2757	2769	2778	2786	2794	2801	2807	2813
145	2935	2939	2931	2934	2946	2941	2938	2942	2952	2966	2970	2974	2978	2983	2989	2994	3000	3007	3014
150	3130	3132	3133	3128	3130	3139	3147	3143	3144	3147	3153	3161	3170	3179	3188	3192	3200	3206	3210
155	3295	3294	3299	3300	3297	3298	3303	3309	3315	3317	3318	3320	3324	3329	3333	3337	3342	3347	3352
160	3436	3434	3435	3440	3444	3438	3436	3437	3440	3444	3449	3456	3463	3469	3475	3480	3484	3487	3490
165	3547	3544	3542	3543	3546	3550	3555	3554	3552	3552	3553	3554	3556	3559	3562	3565	3569	3571	3575
170	3633	3629	3627	3625	3625	3625	3626	3628	3630	3632	3636	3639	3642	3645	3648	3651	3653	3655	3657
175	3692	3690	3687	3686	3684	3684	3683	3682	3682	3683	3683	3683	3684	3685	3686	3687	3688	3689	3691
180	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:224.0V I:0.4600A P:102.0W PF:0.9910 Lamp Flux:14578.2x1 lm																	
NAME: FS0035-GY									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	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967				
5	1947	1948	1948	1949	1950	1950	1951	1952	1953	1954	1955	1956	1958	1959	1961				
10	1927	1928	1928	1928	1928	1928	1928	1929	1929	1930	1932	1933	1935	1938	1940				
15	1881	1883	1884	1886	1888	1891	1894	1898	1897	1896	1897	1897	1899	1902	1905				
20	1833	1833	1833	1833	1833	1835	1837	1840	1845	1852	1852	1851	1852	1854	1858				
25	1745	1748	1753	1758	1765	1770	1769	1770	1773	1779	1787	1791	1790	1791	1795				
30	1651	1652	1653	1655	1659	1664	1671	1683	1684	1686	1692	1703	1707	1707	1710				
35	1469	1480	1497	1519	1544	1542	1541	1546	1558	1570	1571	1579	1596	1594	1598				
40	1265	1270	1277	1286	1299	1326	1369	1374	1366	1374	1406	1406	1422	1439	1442				
45	981	1012	1031	1031	1019	1043	1079	1096	1074	1073	1094	1111	1138	1185	1184				
50	688	742	783	801	803	805	802	807	781	742	742	760	784	829	848				
55	544	571	590	607	623	623	615	593	558	534	514	545	579	642	683				
60	431	441	437	433	437	444	453	452	438	434	435	451	478	499	515				
65	329	330	311	284	262	281	320	346	347	341	345	357	361	359	346				
70	230	232	225	212	208	216	238	254	256	245	244	258	268	263	237				
75	166	166	162	156	160	171	178	179	175	162	159	175	191	193	180				
80	107	109	110	110	111	111	112	110	109	115	115	116	123	133	145				
85	3.59	6.56	10.4	15.1	20.4	24.7	30.5	36.5	43.7	49.5	51.8	54.2	55.8	59.2	67.6				
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	7.29	12.8	19.7	27.9	37.1	47.1	57.9	69.1	80.8	91.9	95.8	95.5	87.5	77.3	70.5				
100	225	230	236	242	247	249	249	244	241	237	247	250	249	250	268				
105	476	476	475	472	465	454	454	459	466	471	484	494	501	517	527				
110	749	761	774	785	792	790	780	765	784	807	820	832	844	860	876				
115	1170	1179	1184	1186	1179	1173	1173	1181	1198	1216	1243	1260	1283	1292	1316				
120	1582	1585	1586	1589	1593	1602	1613	1607	1617	1653	1673	1710	1707	1719	1743				
125	1948	1958	1971	1987	1995	1983	1976	1982	2006	2022	2060	2068	2081	2088	2097				
130	2294	2295	2296	2297	2298	2301	2311	2311	2323	2353	2362	2374	2384	2402	2400				
135	2561	2568	2574	2582	2587	2585	2587	2599	2623	2622	2631	2648	2654	2674	2665				
140	2816	2817	2819	2821	2826	2833	2848	2850	2851	2861	2879	2880	2891	2899	2895				
145	3021	3027	3035	3046	3055	3052	3050	3054	3065	3075	3075	3082	3098	3092	3093				
150	3215	3216	3217	3220	3224	3226	3233	3245	3244	3245	3252	3265	3268	3266	3270				
155	3357	3363	3367	3373	3382	3389	3387	3385	3387	3394	3404	3409	3406	3408	3414				
160	3491	3493	3495	3495	3497	3499	3502	3507	3515	3525	3522	3520	3521	3525	3532				
165	3578	3581	3585	3589	3593	3599	3606	3611	3609	3607	3606	3607	3610	3614	3620				
170	3658	3660	3660	3661	3661	3662	3662	3663	3664	3666	3668	3671	3674	3678	3683				
175	3692	3693	3695	3696	3698	3699	3700	3702	3704	3705	3707	3710	3712	3715	3717				
180	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723	3723				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-01-06

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: RA80