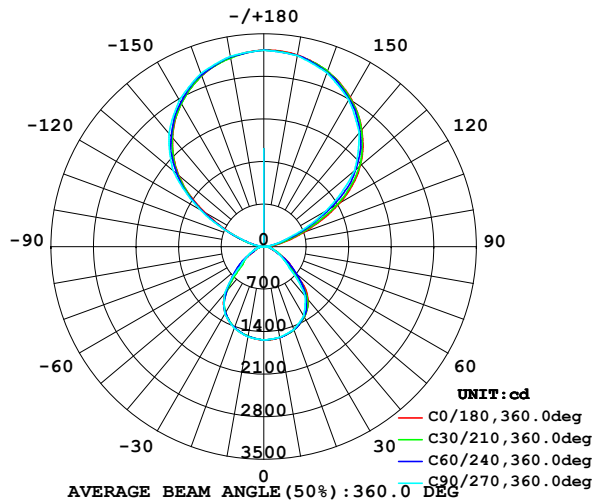


LUMINAIRE PHOTOMETRIC TEST REPORT

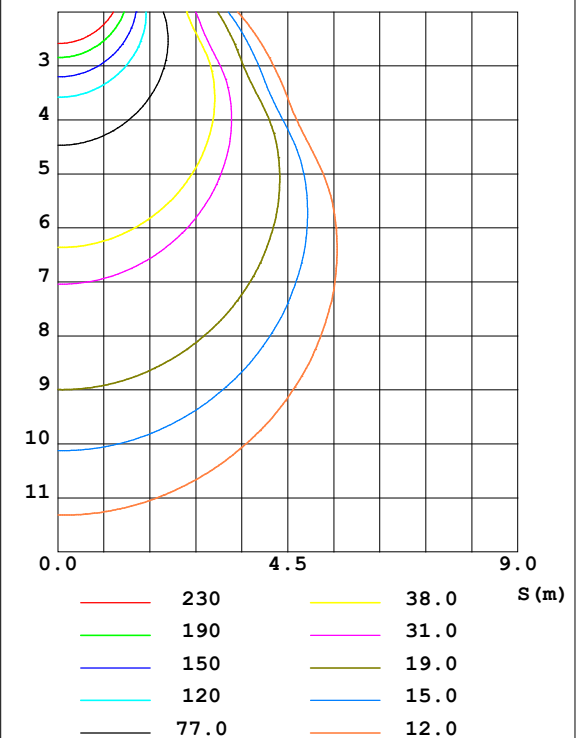
Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.35 lm/W			
MODEL	2835	I _{max} (cd)	3234	S/MH(C0/180)	1.29
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	11906	η UP,DN(C0-180)	35.9,14.5
NOMINAL FLUX(lm)	11906.2	CIE CLASS	SEMI-IND.	η UP,DN(C180-360)	35.6,13.9
LAMPS INSIDE	1	η up(%)	71.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	η down(%)	28.5	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:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1535	1530	1527	1523	1526	1520	1522	1527	0- 5	36.58	36.58	0.31,0.31
10	1520	1517	1517	1503	1501	1496	1508	1510	5- 10	108.5	145.1	1.22,1.22
15	1493	1495	1484	1474	1467	1464	1468	1484	10- 15	177.1	322.2	2.71,2.71
20	1454	1453	1451	1425	1420	1412	1428	1437	15- 20	239.9	562.1	4.72,4.72
25	1403	1404	1384	1369	1356	1350	1355	1383	20- 25	294.8	856.8	7.2,7.2
30	1338	1332	1316	1282	1272	1258	1281	1306	25- 30	338.0	1195	10,10
35	1249	1237	1189	1161	1157	1129	1142	1205	30- 35	365.9	1561	13.1,13.1
40	1131	1115	1062	994.8	975.7	953.5	1002	1074	35- 40	369.7	1931	16.2,16.2
45	957.5	898.1	808.6	760.2	716.2	736.8	752.6	849.7	40- 45	340.4	2271	19.1,19.1
50	676.4	673.1	555.4	558.5	566.8	548.4	503.2	625.4	45- 50	281.6	2553	21.4,21.4
55	545.7	521.3	445.1	432.9	406.1	417.8	402.9	482.0	50- 55	224.9	2777	23.3,23.3
60	410.4	386.3	334.8	338.8	259.7	323.0	302.6	355.7	55- 60	181.3	2959	24.8,24.8
65	258.5	277.2	258.3	260.5	179.7	246.8	232.0	248.7	60- 65	139.8	3098	26,26
70	163.5	207.0	181.8	196.9	152.7	182.8	161.4	184.6	65- 70	108.0	3206	26.9,26.9
75	127.2	152.4	143.2	142.0	128.1	127.4	123.9	138.2	70- 75	82.78	3289	27.6,27.6
80	109.9	100.1	104.6	97.52	81.78	84.91	86.39	87.87	75- 80	61.25	3350	28.1,28.1
85	57.12	28.65	0	30.00	13.32	25.24	0	24.07	80- 85	33.44	3384	28.4,28.4
90	4.414	0	0	0	3.155	0	0	0	85- 90	3.508	3387	28.5,28.5
95	89.51	23.92	0	25.15	16.02	23.48	0	27.98	90- 95	4.438	3392	28.5,28.5
100	225.6	145.8	69.05	135.6	118.8	129.4	77.38	152.5	95-100	40.81	3433	28.8,28.8
105	426.5	312.6	254.7	277.2	251.6	268.0	254.8	312.9	100-105	113.0	3546	29.8,29.8
110	704.0	593.2	440.3	501.1	458.8	502.2	432.3	575.9	105-110	211.7	3757	31.6,31.6
115	1064	943.6	812.9	790.7	742.4	805.3	812.8	915.3	110-115	348.9	4106	34.5,34.5
120	1453	1354	1186	1149	1106	1175	1193	1323	115-120	508.0	4614	38.8,38.8
125	1791	1702	1569	1522	1491	1533	1572	1686	120-125	659.5	5274	44.3,44.3
130	2070	2024	1952	1886	1828	1877	1950	2022	125-130	775.1	6049	50.8,50.8
135	2309	2264	2197	2139	2103	2124	2190	2262	130-135	837.5	6886	57.8,57.8
140	2510	2487	2441	2377	2339	2362	2430	2484	135-140	857.0	7743	65,65
145	2689	2663	2617	2566	2544	2552	2605	2657	140-145	840.6	8584	72.1,72.1
150	2843	2825	2793	2742	2719	2731	2779	2815	145-150	794.0	9378	78.8,78.8
155	2971	2956	2918	2887	2867	2877	2906	2947	150-155	720.2	10098	84.8,84.8
160	3067	3056	3042	2998	2990	2991	3032	3047	155-160	623.3	10722	90.1,90.1
165	3145	3145	3116	3102	3086	3094	3107	3138	160-165	506.0	11228	94.3,94.3
170	3201	3191	3191	3165	3161	3156	3181	3186	165-170	373.2	11601	97.4,97.4
175	3230	3218	3212	3205	3210	3201	3207	3214	170-175	228.5	11829	99.4,99.4
180	3234	3234	3234	3234	3234	3234	3234	3234	175-180	76.98	11906	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

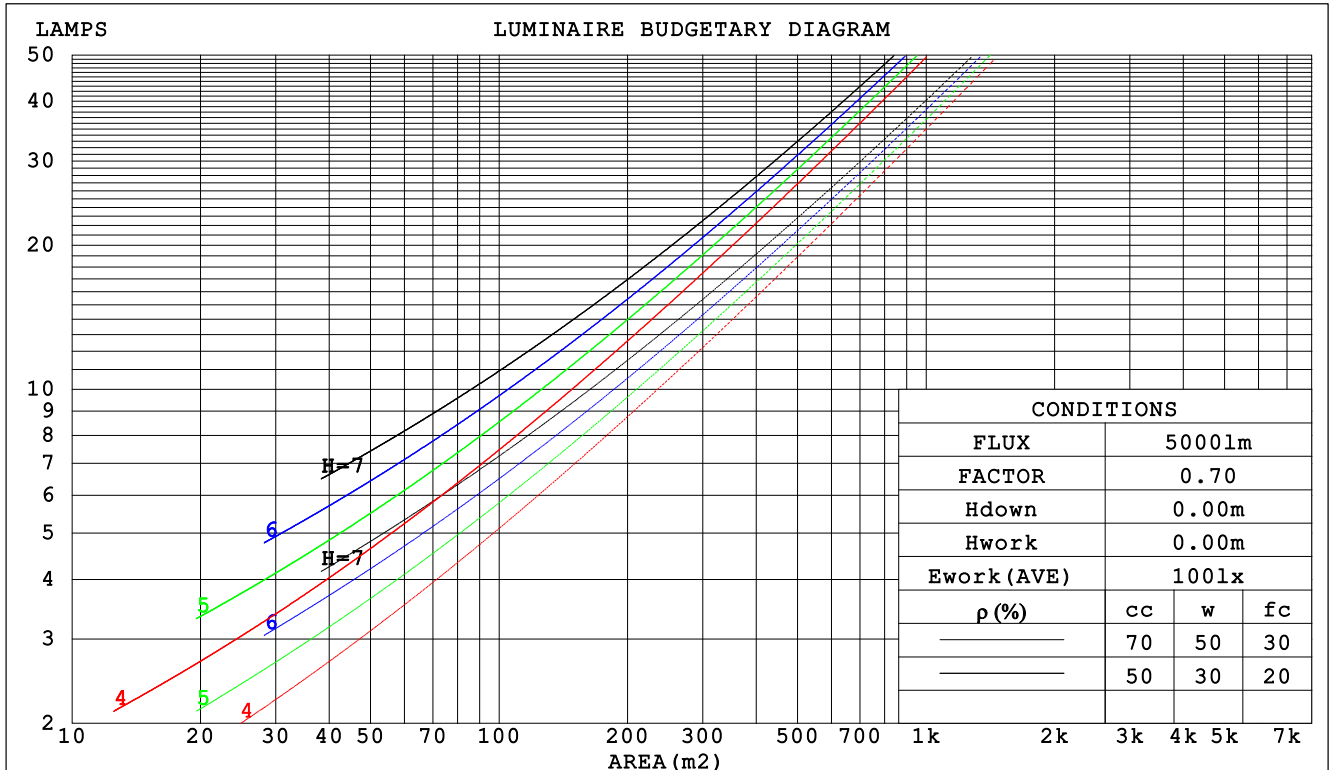
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity:65.0%
 Test Distance:7.900m [K=1.2658]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.02	1.02	1.02	.91	.91	.91	.71	.71	.71	.53	.53	.53	.36	.36	.36	.28
1.0	.89	.86	.82	.80	.77	.74	.63	.61	.59	.47	.46	.45	.33	.32	.31	.25
2.0	.78	.73	.68	.70	.66	.62	.56	.52	.50	.42	.40	.38	.29	.28	.27	.21
3.0	.69	.62	.57	.62	.56	.52	.49	.45	.42	.37	.35	.33	.26	.25	.23	.18
4.0	.61	.54	.48	.55	.49	.44	.44	.40	.36	.33	.30	.28	.24	.22	.20	.16
5.0	.55	.47	.41	.49	.43	.38	.39	.35	.31	.30	.27	.25	.21	.20	.18	.14
6.0	.49	.41	.36	.44	.38	.33	.36	.31	.27	.27	.24	.22	.20	.18	.16	.13
7.0	.44	.37	.31	.40	.34	.29	.32	.27	.24	.25	.22	.19	.18	.16	.14	.11
8.0	.40	.33	.28	.36	.30	.26	.29	.25	.21	.23	.19	.17	.16	.14	.13	.10
9.0	.37	.29	.25	.33	.27	.23	.27	.22	.19	.21	.18	.15	.15	.13	.12	.09
10.0	.33	.27	.22	.30	.24	.20	.25	.20	.17	.19	.16	.14	.14	.12	.11	.09



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

WEC AND CCEC

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm								
NAME: FS2040			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: EVERFINE			SUR.:			PROTECTION ANGLE:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.260	.148	.047	.231	.132	.042	.178	.102	.033	.129	.074	.024	.084	.048	.016	
2.0	.242	.132	.041	.216	.119	.037	.167	.093	.029	.122	.068	.021	.080	.045	.014	
3.0	.224	.119	.036	.200	.107	.032	.156	.084	.026	.114	.063	.019	.076	.042	.013	
4.0	.208	.108	.032	.186	.098	.029	.145	.077	.023	.107	.057	.017	.071	.039	.012	
5.0	.194	.099	.029	.174	.089	.026	.136	.071	.021	.100	.053	.016	.067	.036	.011	
6.0	.181	.091	.026	.162	.082	.024	.127	.065	.019	.094	.049	.014	.063	.033	.010	
7.0	.169	.084	.024	.152	.076	.022	.119	.060	.017	.088	.045	.013	.059	.031	.009	
8.0	.159	.078	.022	.143	.070	.020	.112	.056	.016	.083	.042	.012	.056	.029	.008	
9.0	.150	.072	.020	.135	.066	.018	.106	.052	.015	.079	.039	.011	.053	.027	.008	
10.0	.141	.068	.019	.127	.061	.017	.100	.049	.014	.075	.037	.011	.050	.025	.007	

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	.736	.736	.736	.629	.629	.629	.429	.429	.429	.247	.247	.247	.079	.079	.079	
1.0	.727	.706	.688	.622	.606	.592	.425	.417	.409	.245	.241	.238	.078	.078	.077	
2.0	.719	.685	.657	.616	.590	.568	.422	.408	.396	.243	.237	.232	.078	.077	.076	
3.0	.712	.670	.637	.610	.578	.552	.419	.402	.387	.242	.235	.228	.078	.076	.075	
4.0	.705	.659	.623	.605	.569	.541	.416	.397	.381	.241	.232	.226	.077	.076	.074	
5.0	.699	.650	.613	.601	.562	.534	.414	.393	.377	.240	.231	.224	.077	.075	.074	
6.0	.694	.643	.606	.596	.557	.528	.411	.390	.374	.239	.229	.222	.077	.075	.073	
7.0	.688	.637	.601	.592	.552	.524	.409	.387	.371	.238	.228	.221	.077	.075	.073	
8.0	.683	.632	.597	.588	.548	.521	.407	.385	.369	.237	.227	.220	.077	.074	.073	
9.0	.678	.628	.594	.584	.545	.518	.405	.383	.368	.236	.226	.219	.076	.074	.073	
10.0	.673	.624	.592	.580	.542	.516	.403	.381	.367	.235	.225	.219	.076	.074	.073	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

Uncorrected UGR Table

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm												
NAME: FS2040					TYPE:			WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:				
MFR.: EVERFINE					SUR.:			PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions	Viewed crosswise					Viewed endwise						
x = 2H y = 2H		12.6	13.4	13.7	14.4	15.8	12.4	13.2	13.5	14.2	15.7	
		3H	13.3	14.0	14.4	15.0	16.5	13.1	13.8	14.2	14.9	16.3
		4H	13.5	14.2	14.6	15.2	16.7	13.4	14.1	14.5	15.1	16.6
		6H	13.8	14.4	14.9	15.5	17.0	13.7	14.3	14.8	15.4	16.9
		8H	14.0	14.5	15.1	15.6	17.1	13.8	14.3	14.9	15.4	16.9
		12H	14.0	14.6	15.2	15.7	17.2	13.7	14.2	14.8	15.3	16.8
4H	2H	12.7	13.3	13.8	14.4	15.8	12.5	13.1	13.6	14.2	15.7	
	3H	13.6	14.1	14.7	15.2	16.7	13.3	13.8	14.4	14.9	16.4	
	4H	13.9	14.4	15.1	15.5	17.0	13.8	14.2	14.9	15.3	16.9	
	6H	14.3	14.7	15.5	15.9	17.4	14.2	14.6	15.4	15.7	17.3	
	8H	14.5	14.9	15.7	16.0	17.6	14.3	14.7	15.4	15.8	17.3	
	12H	14.7	15.0	15.8	16.1	17.7	14.2	14.6	15.4	15.7	17.3	
8H	4H	13.9	14.3	15.1	15.4	17.0	13.8	14.2	14.9	15.3	16.9	
	6H	14.5	14.8	15.7	15.9	17.5	14.4	14.7	15.6	15.9	17.4	
	8H	14.8	15.0	15.9	16.2	17.8	14.6	14.8	15.7	16.0	17.6	
	12H	15.0	15.2	16.1	16.4	18.0	14.5	14.7	15.7	15.9	17.5	
12H	4H	13.9	14.2	15.0	15.4	16.9	13.8	14.1	14.9	15.2	16.8	
	6H	14.5	14.8	15.7	15.9	17.5	14.4	14.7	15.6	15.8	17.4	
	8H	14.8	15.0	16.0	16.2	17.8	14.6	14.8	15.8	16.0	17.6	
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 / - 0.7						
2.0H	+ 0.9 / - 0.4					+ 0.6 / - 0.8						

CIE Pub.117 Corrected 11906 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.6)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

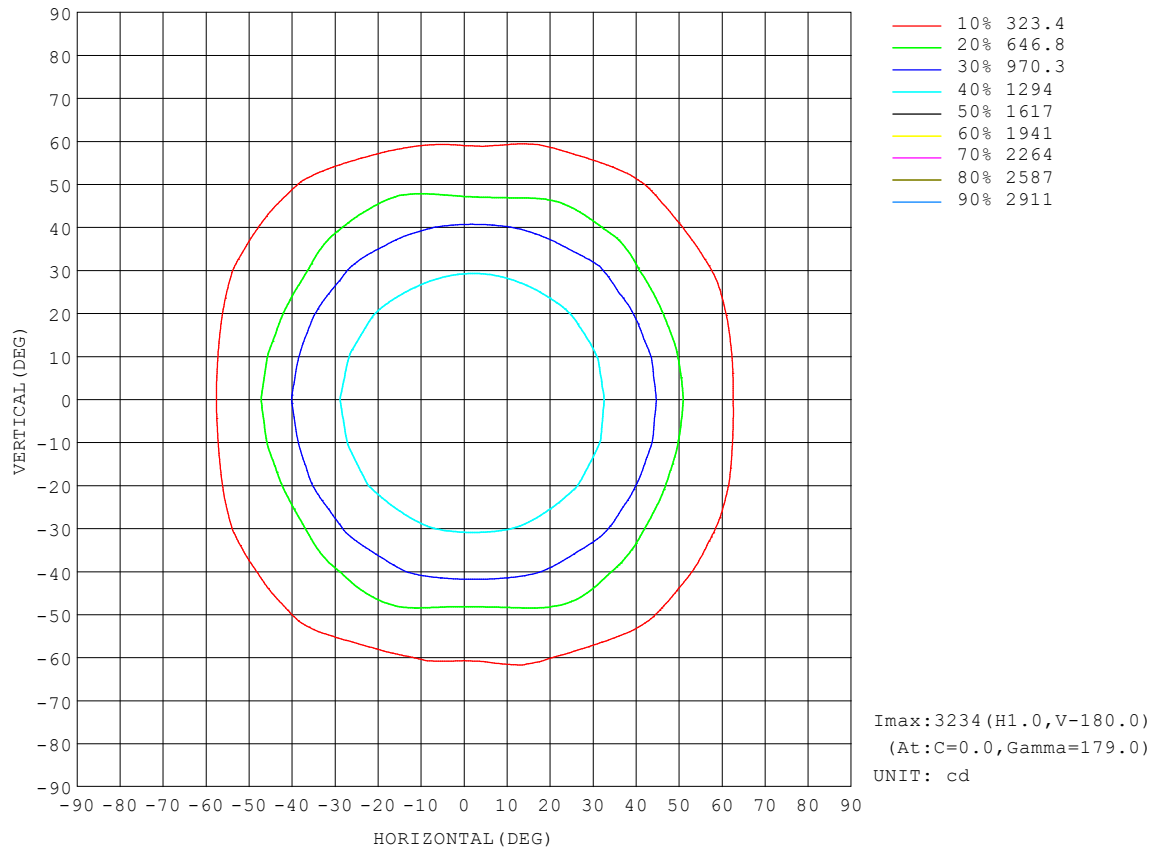
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	40	30	24	37	28	23	31	24	20	12
0.80	50	39	32	45	36	30	37	30	26	15
1.00	57	46	39	52	42	36	42	36	31	17
1.25	64	53	46	58	49	42	47	40	36	19
1.50	69	58	51	62	53	47	50	44	40	20
2.00	76	66	60	68	60	55	54	49	45	22
2.50	80	72	65	72	65	60	57	52	49	23
3.00	83	76	70	75	69	64	59	55	52	24
4.00	88	81	76	79	73	69	62	59	56	25
5.00	90	85	80	81	77	73	64	61	58	26
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: 2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 7.900m [K=1.2658]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

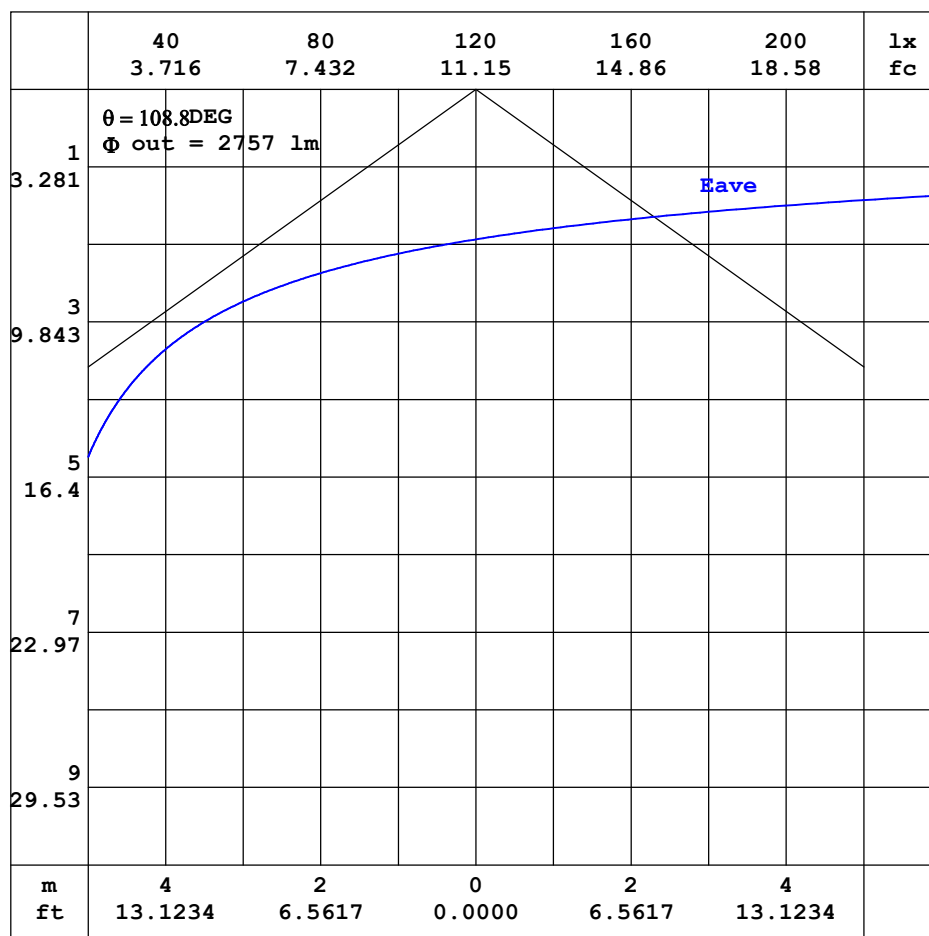


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 7.900m [K=1.2658]
Remarks:

AAI CURVES

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



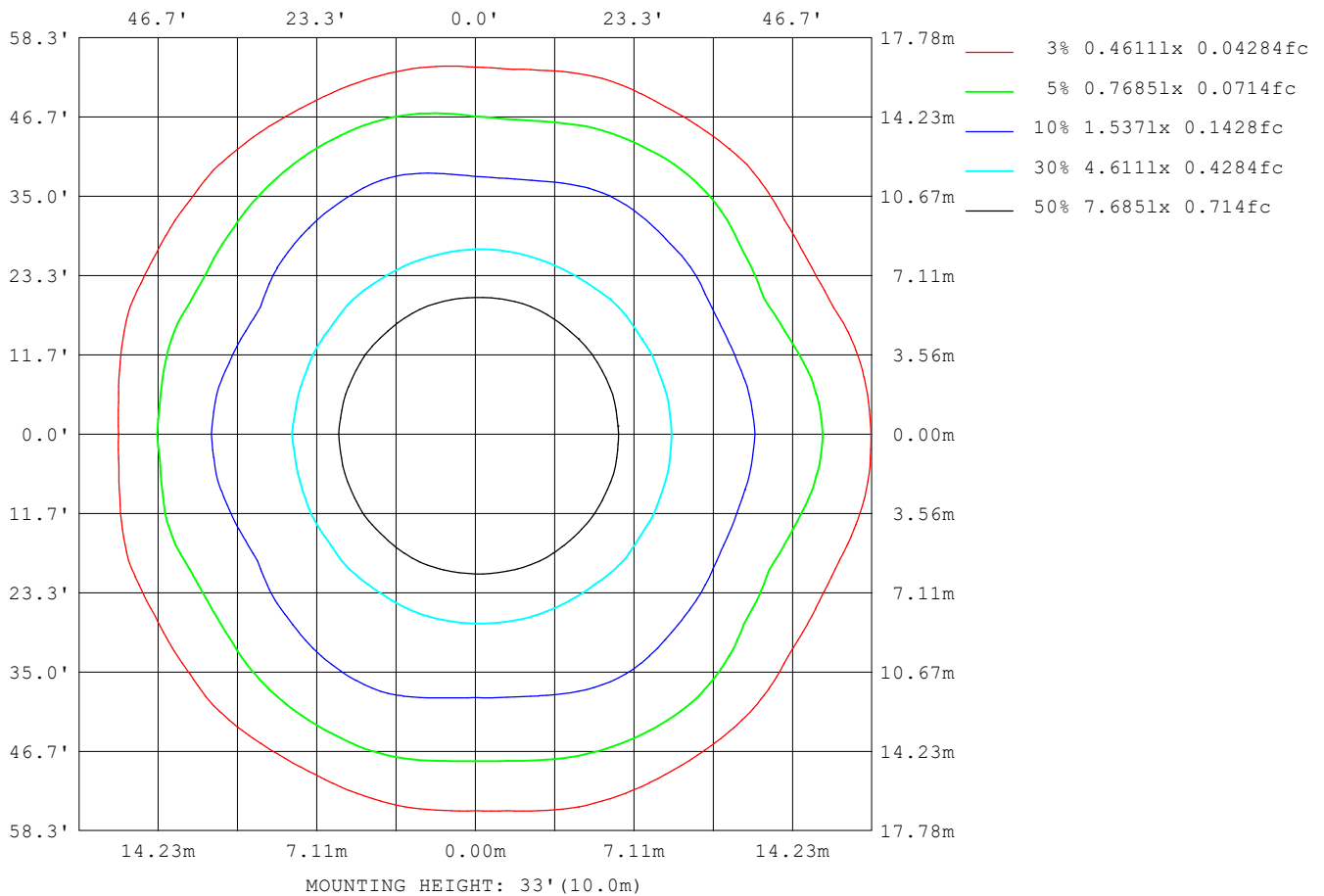
Note: The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 7.900m [K=1.2658]
Remarks:

ISOLUX DIAGRAM

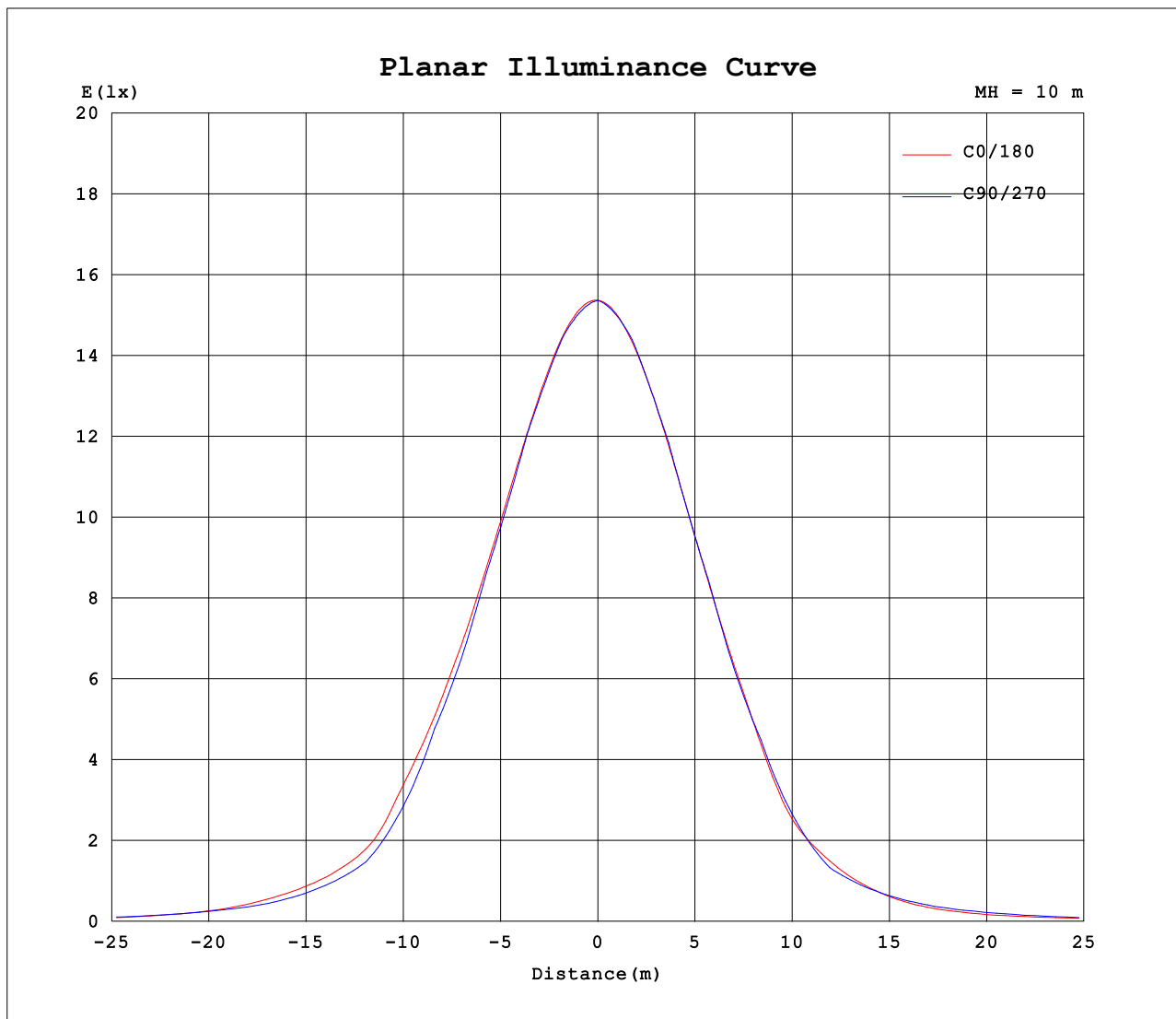
Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm		
NAME: FS2040	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 7.900m [K=1.2658]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-07-31

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 7.900m [K=1.2658]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm																	
NAME: FS2040									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537
5	1535	1534	1534	1533	1532	1532	1531	1531	1531	1530	1530	1530	1529	1529	1529	1528	1528	1527	1527
10	1520	1519	1518	1517	1516	1516	1516	1517	1517	1517	1518	1518	1519	1519	1519	1519	1518	1518	1517
15	1493	1491	1490	1489	1490	1491	1492	1494	1497	1495	1493	1492	1491	1490	1488	1487	1486	1485	1484
20	1454	1452	1451	1452	1454	1458	1460	1457	1454	1453	1453	1453	1453	1453	1454	1454	1453	1452	1451
25	1403	1401	1401	1404	1408	1408	1404	1403	1403	1404	1406	1403	1399	1395	1393	1390	1388	1386	1384
30	1338	1335	1336	1340	1341	1336	1335	1337	1339	1332	1328	1326	1324	1323	1323	1322	1321	1319	1316
35	1249	1246	1249	1256	1247	1245	1249	1243	1238	1237	1239	1241	1228	1216	1208	1202	1197	1193	1189
40	1131	1127	1133	1128	1121	1127	1112	1108	1116	1115	1092	1082	1076	1073	1070	1069	1067	1066	1062
45	957	945	955	929	925	912	903	919	914	898	889	896	905	895	875	851	830	815	809
50	676	669	667	650	646	638	647	668	679	673	692	709	711	692	659	619	584	562	555
55	546	535	511	474	449	427	447	460	493	521	540	548	539	525	506	485	464	450	445
60	410	408	397	380	364	358	358	359	375	386	389	387	385	383	378	371	355	340	335
65	259	267	288	294	290	286	283	288	289	277	251	235	252	272	284	286	276	261	258
70	163	182	206	218	215	208	209	215	218	207	190	180	183	195	207	208	198	183	182
75	127	136	147	150	147	137	142	149	154	152	146	136	134	142	151	153	151	144	143
80	110	108	103	101	97.4	95.4	94.5	95.0	97.8	100	102	101	101	102	103	101	104	105	105
85	57.1	48.1	48.0	48.1	48.6	47.4	46.2	40.9	34.5	28.6	24.2	19.4	14.2	9.78	6.23	3.42	1.57	0.40	0.00
90	4.41	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	89.5	78.3	66.2	62.7	60.3	53.4	43.6	36.6	29.9	23.9	18.6	14.0	10.1	6.92	4.37	2.43	1.07	0.26	0.00
100	226	218	204	191	186	179	167	163	156	146	134	121	111	100	90.5	82.2	75.6	71.0	69.0
105	426	426	417	397	386	376	363	356	340	313	293	284	282	279	277	275	270	262	255
110	704	706	695	683	665	653	645	627	603	593	575	552	536	519	505	492	474	455	440
115	1064	1070	1057	1052	1031	1013	1003	994	975	944	907	880	877	876	876	870	855	833	813
120	1453	1458	1445	1438	1439	1411	1405	1380	1367	1354	1317	1285	1264	1256	1255	1250	1235	1211	1186
125	1791	1795	1793	1795	1778	1776	1751	1752	1724	1702	1688	1685	1669	1653	1642	1629	1611	1589	1569
130	2070	2069	2076	2067	2063	2057	2058	2035	2028	2024	1999	1982	1977	1977	1981	1982	1975	1964	1952
135	2309	2304	2318	2304	2306	2297	2291	2296	2276	2264	2258	2261	2251	2240	2232	2227	2218	2207	2197
140	2510	2506	2516	2514	2507	2512	2501	2493	2492	2487	2474	2467	2462	2459	2458	2459	2455	2448	2441
145	2689	2685	2690	2701	2688	2683	2685	2675	2667	2663	2665	2666	2656	2646	2640	2636	2630	2623	2617
150	2843	2837	2838	2845	2845	2835	2831	2832	2834	2825	2817	2812	2807	2806	2805	2804	2801	2797	2793
155	2971	2965	2963	2966	2972	2970	2962	2957	2956	2956	2957	2951	2944	2939	2935	2931	2926	2922	2918
160	3067	3063	3060	3061	3064	3070	3073	3065	3059	3056	3053	3052	3051	3051	3050	3050	3048	3046	3042
165	3145	3141	3138	3137	3137	3139	3142	3145	3149	3145	3139	3135	3132	3129	3127	3124	3121	3119	3116
170	3201	3198	3195	3193	3192	3191	3190	3190	3190	3191	3191	3192	3193	3193	3193	3193	3192	3192	3191
175	3230	3228	3226	3225	3223	3222	3221	3220	3219	3218	3217	3216	3215	3215	3214	3214	3213	3213	3212
180	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm																		
NAME: FS2040									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					PROTECTION ANGLE:				

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537
5	1526	1526	1525	1525	1524	1524	1524	1523	1523	1523	1523	1523	1523	1523	1524	1524	1525	1526	1525
10	1516	1514	1513	1511	1510	1508	1506	1504	1503	1501	1500	1499	1498	1498	1498	1499	1500	1501	1499
15	1482	1481	1479	1478	1476	1475	1474	1474	1474	1473	1470	1468	1465	1464	1463	1464	1465	1467	1464
20	1449	1446	1443	1440	1436	1433	1430	1427	1425	1424	1424	1426	1423	1419	1416	1416	1417	1420	1415
25	1381	1379	1377	1375	1374	1374	1375	1375	1369	1364	1360	1358	1359	1358	1352	1351	1352	1356	1350
30	1313	1309	1305	1300	1295	1290	1286	1283	1282	1285	1279	1272	1269	1270	1267	1264	1265	1272	1263
35	1185	1181	1179	1178	1178	1181	1185	1174	1161	1154	1155	1163	1150	1146	1152	1146	1147	1157	1144
40	1055	1047	1040	1032	1018	1003	995	994	995	969	957	959	965	948	949	953	955	976	954
45	810	822	837	844	833	808	780	771	760	738	706	694	689	691	692	708	705	716	703
50	565	593	626	646	643	628	609	586	559	539	510	479	492	514	533	554	558	567	557
55	450	465	478	484	477	472	463	450	433	412	400	395	399	413	417	405	397	406	400
60	338	343	340	336	329	328	333	339	339	326	319	311	309	310	297	282	268	260	268
65	267	272	264	248	230	221	227	250	261	251	232	226	228	231	227	211	191	180	190
70	196	206	202	189	179	180	187	195	197	186	174	170	175	179	176	167	157	153	155
75	150	155	153	146	140	143	146	145	142	136	132	130	131	130	129	129	129	128	124
80	104	104	107	109	108	109	107	102	97.5	94.6	96.1	98.0	91.5	87.4	83.8	80.5	77.3	81.8	82.8
85	0.39	1.57	3.64	6.67	10.5	15.2	20.2	25.0	30.0	35.8	40.6	44.9	41.6	38.9	36.0	28.3	17.4	13.3	28.8
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	3.16	0.00
95	0.26	1.05	2.40	4.37	7.00	10.3	14.5	19.4	25.2	31.8	39.0	45.0	50.0	51.7	47.5	41.4	34.7	16.0	20.0
100	69.9	73.8	80.2	89.1	99.1	110	120	128	136	140	141	141	146	145	141	135	124	119	109
105	252	253	257	264	268	271	272	271	277	288	291	286	286	284	277	267	258	252	252
110	437	442	455	474	487	497	503	504	501	493	499	496	490	489	479	469	459	459	454
115	802	798	800	804	802	794	781	785	791	788	778	777	776	765	756	756	739	742	735
120	1167	1158	1156	1158	1160	1161	1161	1157	1149	1138	1138	1139	1124	1118	1112	1104	1095	1106	1094
125	1556	1551	1552	1558	1562	1563	1554	1532	1522	1524	1526	1507	1506	1496	1508	1486	1479	1491	1478
130	1941	1932	1922	1911	1898	1885	1877	1875	1886	1862	1847	1850	1838	1841	1835	1826	1818	1828	1813
135	2188	2182	2177	2174	2173	2175	2172	2154	2139	2133	2136	2121	2119	2122	2105	2106	2094	2103	2087
140	2433	2426	2418	2409	2400	2390	2383	2376	2377	2366	2359	2358	2362	2345	2339	2335	2329	2339	2326
145	2611	2606	2600	2595	2591	2589	2586	2575	2566	2562	2562	2566	2552	2546	2548	2537	2534	2544	2532
150	2789	2783	2775	2766	2758	2750	2745	2742	2742	2745	2734	2724	2720	2721	2716	2709	2710	2719	2708
155	2914	2910	2907	2903	2900	2898	2897	2896	2887	2880	2874	2871	2872	2868	2859	2856	2859	2867	2858
160	3038	3034	3030	3026	3020	3014	3008	3002	2998	2996	2997	3001	2994	2986	2982	2981	2984	2990	2983
165	3114	3111	3109	3108	3106	3105	3103	3102	3102	3102	3094	3088	3083	3079	3078	3079	3082	3086	3081
170	3189	3187	3184	3181	3178	3175	3172	3168	3165	3161	3158	3156	3155	3154	3155	3156	3158	3161	3157
175	3211	3211	3210	3209	3208	3207	3206	3205	3205	3205	3205	3205	3205	3205	3206	3207	3209	3210	3208
180	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm																		
NAME: FS2040									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					PROTECTION ANGLE:				

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537
5	1523	1522	1522	1521	1521	1520	1520	1520	1520	1520	1520	1520	1521	1521	1522	1522	1522	1523	1523
10	1497	1496	1495	1495	1495	1495	1496	1496	1497	1499	1500	1502	1503	1504	1506	1507	1508	1509	1509
15	1462	1460	1460	1460	1462	1463	1466	1464	1463	1462	1462	1463	1463	1464	1465	1467	1468	1469	1471
20	1413	1412	1413	1415	1418	1414	1412	1412	1412	1413	1415	1417	1420	1422	1424	1426	1428	1430	1431
25	1347	1347	1350	1349	1346	1345	1347	1350	1355	1352	1350	1349	1349	1350	1351	1353	1355	1357	1360
30	1259	1260	1260	1256	1256	1259	1263	1258	1257	1258	1260	1264	1267	1271	1275	1278	1281	1284	1286
35	1140	1143	1131	1132	1142	1130	1123	1129	1141	1152	1144	1137	1134	1132	1134	1137	1142	1146	1150
40	949	939	933	941	932	929	934	953	957	954	955	965	973	977	985	994	1002	1006	1008
45	704	686	682	676	674	683	716	737	746	746	758	782	795	790	778	763	753	753	763
50	549	523	502	479	459	494	527	548	571	587	598	611	617	602	571	534	503	496	511
55	404	408	405	392	387	397	403	418	429	441	449	453	458	453	439	421	403	397	405
60	284	298	308	303	304	309	314	323	319	312	303	301	304	307	310	308	303	302	313
65	209	228	229	221	216	218	236	247	236	210	199	205	221	234	244	242	232	229	239
70	163	171	173	167	162	165	174	183	181	171	165	163	170	179	183	177	161	155	167
75	125	123	123	123	120	123	125	127	129	130	129	126	130	133	134	131	124	121	128
80	85.0	81.3	81.4	83.0	84.1	83.8	83.2	84.9	89.7	92.4	92.9	92.5	93.9	90.5	86.3	86.0	86.4	88.3	90.5
85	33.2	34.4	36.0	37.0	38.9	34.0	29.6	25.2	21.5	17.3	12.8	8.85	5.71	3.08	1.30	0.33	0.00	0.33	1.37
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	32.9	45.5	51.3	48.3	42.5	35.7	29.2	23.5	18.4	14.2	10.4	7.22	4.63	2.61	1.16	0.29	0.00	0.30	1.19
100	119	135	139	140	135	135	134	129	122	115	106	98.4	91.7	85.9	81.1	78.1	77.4	79.0	83.0
105	260	268	275	278	279	285	282	268	258	256	253	252	254	257	258	257	255	254	256
110	460	469	480	483	493	500	495	502	501	492	478	467	459	453	446	439	432	432	441
115	750	750	763	779	785	792	806	805	794	784	789	796	807	816	821	818	813	809	814
120	1104	1113	1125	1135	1156	1159	1165	1175	1172	1163	1157	1159	1171	1186	1196	1198	1193	1188	1188
125	1483	1504	1496	1509	1514	1539	1537	1533	1538	1549	1550	1551	1556	1566	1573	1574	1572	1570	1575
130	1816	1821	1827	1829	1844	1844	1858	1877	1862	1857	1864	1880	1899	1921	1938	1947	1950	1948	1950
135	2093	2090	2103	2104	2109	2123	2121	2124	2132	2146	2151	2153	2161	2171	2180	2185	2190	2194	2198
140	2329	2330	2334	2348	2343	2345	2352	2362	2358	2363	2370	2381	2394	2406	2415	2422	2430	2437	2440
145	2531	2540	2535	2539	2551	2549	2549	2552	2562	2571	2571	2575	2581	2588	2593	2597	2605	2612	2617
150	2705	2711	2715	2713	2716	2724	2733	2731	2729	2731	2736	2745	2753	2761	2767	2771	2779	2786	2791
155	2855	2857	2865	2867	2865	2866	2869	2877	2886	2887	2888	2890	2891	2894	2897	2900	2906	2911	2916
160	2979	2978	2981	2988	2994	2991	2990	2991	2995	3000	3005	3009	3015	3019	3024	3029	3032	3035	3038
165	3077	3076	3076	3079	3084	3089	3095	3094	3093	3092	3093	3095	3097	3099	3102	3105	3107	3109	3111
170	3154	3152	3151	3150	3151	3152	3154	3156	3159	3162	3166	3169	3172	3175	3178	3180	3181	3182	3183
175	3206	3205	3204	3203	3202	3202	3201	3201	3202	3202	3203	3204	3204	3205	3206	3207	3207	3208	3208
180	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.8V I:0.4610A P:100.6W PF:0.9830 Lamp Flux:11906.2x1 lm																	
NAME: FS2040									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:						PROTECTION ANGLE:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537				
5	1524	1524	1525	1525	1526	1526	1527	1527	1528	1529	1530	1531	1532	1533	1534				
10	1510	1510	1510	1510	1510	1510	1510	1510	1511	1511	1512	1513	1514	1516	1518				
15	1472	1474	1475	1477	1479	1481	1484	1487	1486	1485	1484	1485	1485	1487	1489				
20	1432	1432	1433	1434	1434	1435	1437	1440	1444	1449	1449	1447	1447	1448	1450				
25	1362	1366	1369	1373	1379	1384	1383	1383	1386	1390	1397	1399	1397	1397	1399				
30	1288	1289	1291	1293	1296	1299	1306	1315	1316	1317	1321	1329	1331	1330	1332				
35	1155	1163	1174	1189	1206	1205	1205	1209	1218	1227	1226	1232	1245	1241	1242				
40	1008	1011	1015	1021	1030	1045	1074	1080	1076	1083	1103	1102	1113	1124	1122				
45	782	806	827	836	824	826	850	873	871	859	879	895	905	944	939				
50	542	584	621	640	639	634	625	637	626	601	599	613	632	662	669				
55	422	445	462	476	490	490	482	464	437	423	407	433	462	506	534				
60	328	339	340	338	344	350	356	348	338	335	338	347	372	390	402				
65	252	254	242	220	206	222	249	265	269	267	270	279	281	278	266				
70	180	182	174	163	160	168	185	196	196	191	192	202	207	201	179				
75	133	132	126	120	122	131	138	139	134	124	123	136	145	145	134				
80	88.2	90.2	89.2	88.3	89.1	87.8	87.9	86.2	84.1	86.3	86.3	87.1	93.0	100	108				
85	2.99	5.44	8.46	12.3	16.8	20.1	24.1	28.9	34.6	39.5	40.2	40.9	41.0	43.0	49.0				
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	2.73	4.95	7.90	11.6	16.2	21.7	28.0	35.4	44.3	54.8	65.8	73.9	77.7	74.6	68.8				
100	89.4	98.0	108	120	131	142	153	162	171	177	192	201	208	217	225				
105	262	271	280	288	291	296	313	337	354	366	382	397	408	424	429				
110	459	484	511	535	551	566	576	582	610	632	646	663	682	696	707				
115	825	842	857	867	869	889	915	939	955	974	994	1015	1042	1054	1067				
120	1198	1214	1234	1256	1279	1302	1323	1329	1346	1374	1388	1425	1426	1441	1454				
125	1591	1612	1639	1667	1686	1681	1686	1706	1730	1734	1764	1768	1788	1788	1792				
130	1955	1960	1967	1974	1984	1999	2022	2019	2025	2046	2047	2057	2062	2071	2067				
135	2206	2217	2231	2248	2260	2258	2262	2271	2289	2284	2287	2295	2295	2311	2300				
140	2442	2447	2450	2455	2461	2470	2484	2487	2488	2492	2502	2500	2507	2510	2503				
145	2622	2627	2635	2646	2656	2656	2657	2661	2668	2679	2677	2680	2694	2685	2682				
150	2792	2793	2794	2798	2803	2807	2815	2826	2826	2824	2827	2836	2837	2833	2834				
155	2920	2924	2929	2934	2942	2949	2947	2947	2949	2955	2964	2967	2962	2960	2963				
160	3040	3040	3041	3043	3043	3044	3047	3052	3058	3066	3063	3059	3057	3058	3061				
165	3114	3117	3120	3123	3128	3132	3138	3142	3139	3136	3134	3133	3134	3136	3140				
170	3183	3184	3185	3185	3185	3185	3186	3186	3186	3187	3188	3189	3191	3194	3198				
175	3209	3209	3210	3211	3212	3213	3214	3216	3217	3218	3220	3222	3224	3226	3228				
180	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234	3234				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-07-31

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:7.900m [K=1.2658]
Remarks: