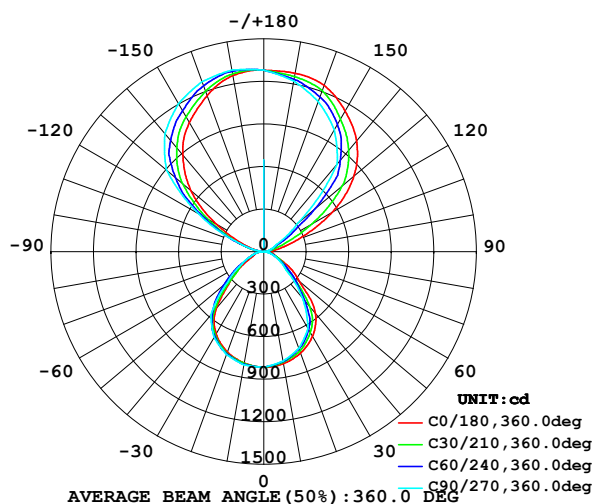


LUMINAIRE PHOTOMETRIC TEST REPORT

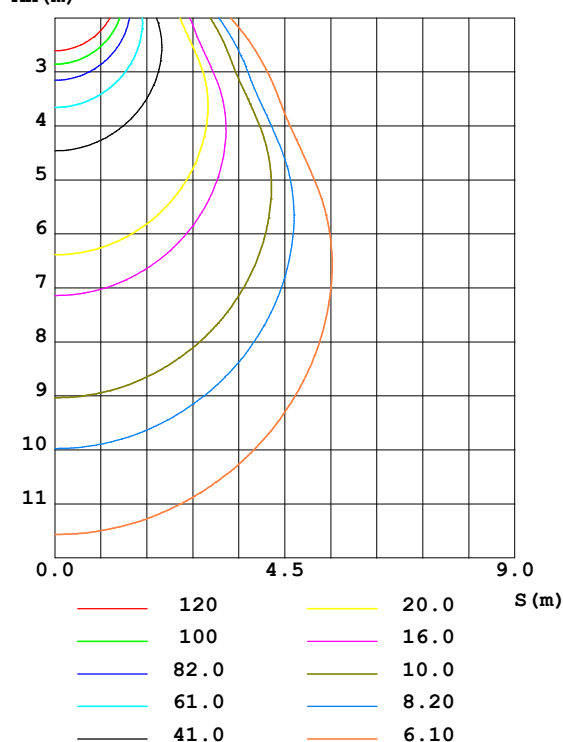
Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.44 lm/W			
MODEL		I _{max} (cd)	1300	S/MH (C0/180)	1.25
NOMINAL POWER (W)	50	LOR (%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	4881.5	η UP, DN (C0-180)	28.0, 16.3
NOMINAL FLUX (lm)	4881.5	CIE CLASS	SEMI-IND.	η UP, DN (C180-360)	36.7, 18.9
LAMPS INSIDE	1	η up (%)	64.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	35.3	CIBSE SHR MAX	1.30

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: 2026-08-21

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	812.8	803.8	800.1	801.8	810.7	811.0	813.3	812.7	0- 5	19.39	19.39	0.40,0.40
10	802.5	788.3	784.4	784.2	797.8	802.7	810.9	805.9	5- 10	57.37	76.76	1.57,1.57
15	785.2	767.6	755.1	761.6	779.1	788.3	791.3	793.0	10- 15	93.30	170.1	3.48,3.48
20	761.2	734.6	725.8	726.7	753.1	762.1	771.8	767.7	15- 20	125.8	295.8	6.06,6.06
25	729.8	696.7	675.5	687.1	718.3	733.3	735.9	738.6	20- 25	153.5	449.3	9.2,9.2
30	689.1	645.5	625.1	630.0	672.6	690.0	700.1	698.2	25- 30	174.8	624.1	12.8,12.8
35	636.7	579.3	524.3	550.2	611.9	632.2	640.1	646.4	30- 35	187.4	811.5	16.6,16.6
40	567.1	495.0	423.4	446.7	520.4	559.4	580.1	582.3	35- 40	187.0	998.5	20.5,20.5
45	455.4	383.5	316.8	338.5	387.3	442.1	456.0	469.8	40- 45	170.5	1169	23.9,23.9
50	327.4	288.2	210.2	251.6	296.6	323.6	331.9	342.8	45- 50	140.4	1309	26.8,26.8
55	263.4	207.6	169.4	190.8	216.1	249.4	256.9	263.8	50- 55	111.9	1421	29.1,29.1
60	189.0	144.8	128.7	145.6	144.3	192.0	181.9	197.9	55- 60	90.09	1511	31,31
65	119.0	108.5	98.29	113.4	98.77	146.2	140.5	143.3	60- 65	69.90	1581	32.4,32.4
70	81.02	81.28	67.90	84.53	82.14	109.6	99.20	106.2	65- 70	53.94	1635	33.5,33.5
75	65.26	56.82	43.93	57.47	69.52	79.55	74.20	77.10	70- 75	40.65	1676	34.3,34.3
80	54.31	29.29	19.96	30.62	45.30	53.25	49.20	50.57	75- 80	28.56	1704	34.9,34.9
85	27.73	5.584	0	6.269	15.12	15.73	0	14.40	80- 85	14.61	1719	35.2,35.2
90	3.513	0	0	0	1.754	0	0	0	85- 90	1.797	1721	35.3,35.3
95	46.42	9.816	0	8.745	6.832	7.489	0.0000	11.17	90- 95	2.043	1723	35.3,35.3
100	91.99	31.89	30.54	28.79	40.46	54.48	31.12	70.04	95-100	15.66	1738	35.6,35.6
105	162.3	47.56	43.09	43.29	86.06	120.9	114.4	149.9	100-105	38.26	1777	36.4,36.4
110	265.2	78.31	55.63	70.28	154.4	211.4	197.6	269.5	105-110	67.63	1844	37.8,37.8
115	400.0	143.8	80.36	127.0	250.1	328.7	360.8	423.4	110-115	108.5	1953	40,40
120	558.3	239.9	105.1	211.4	384.3	475.4	524.0	609.5	115-120	159.3	2112	43.3,43.3
125	704.6	424.1	209.6	374.2	532.8	636.6	709.7	767.9	120-125	216.9	2329	47.7,47.7
130	830.3	636.3	314.0	561.3	671.5	797.0	895.4	909.6	125-130	269.3	2598	53.2,53.2
135	933.5	772.3	559.7	692.0	785.6	899.3	990.4	1000	130-135	308.8	2907	59.6,59.6
140	1020	893.5	805.4	818.3	889.0	992.6	1085	1090	135-140	329.9	3237	66.3,66.3
145	1088	977.0	900.3	914.5	981.3	1063	1145	1156	140-145	329.0	3566	73.1,73.1
150	1147	1058	995.2	1003	1051	1125	1205	1209	145-150	312.8	3879	79.5,79.5
155	1203	1130	1061	1077	1111	1176	1240	1247	150-155	284.8	4164	85.3,85.3
160	1247	1181	1126	1135	1170	1220	1276	1269	155-160	247.3	4411	90.4,90.4
165	1270	1221	1174	1191	1224	1264	1288	1286	160-165	201.1	4612	94.5,94.5
170	1278	1243	1223	1229	1260	1282	1300	1288	165-170	148.3	4760	97.5,97.5
175	1278	1260	1251	1259	1278	1287	1290	1285	170-175	90.67	4851	99.4,99.4
180	1280	1280	1280	1280	1280	1280	1280	1280	175-180	30.50	4882	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

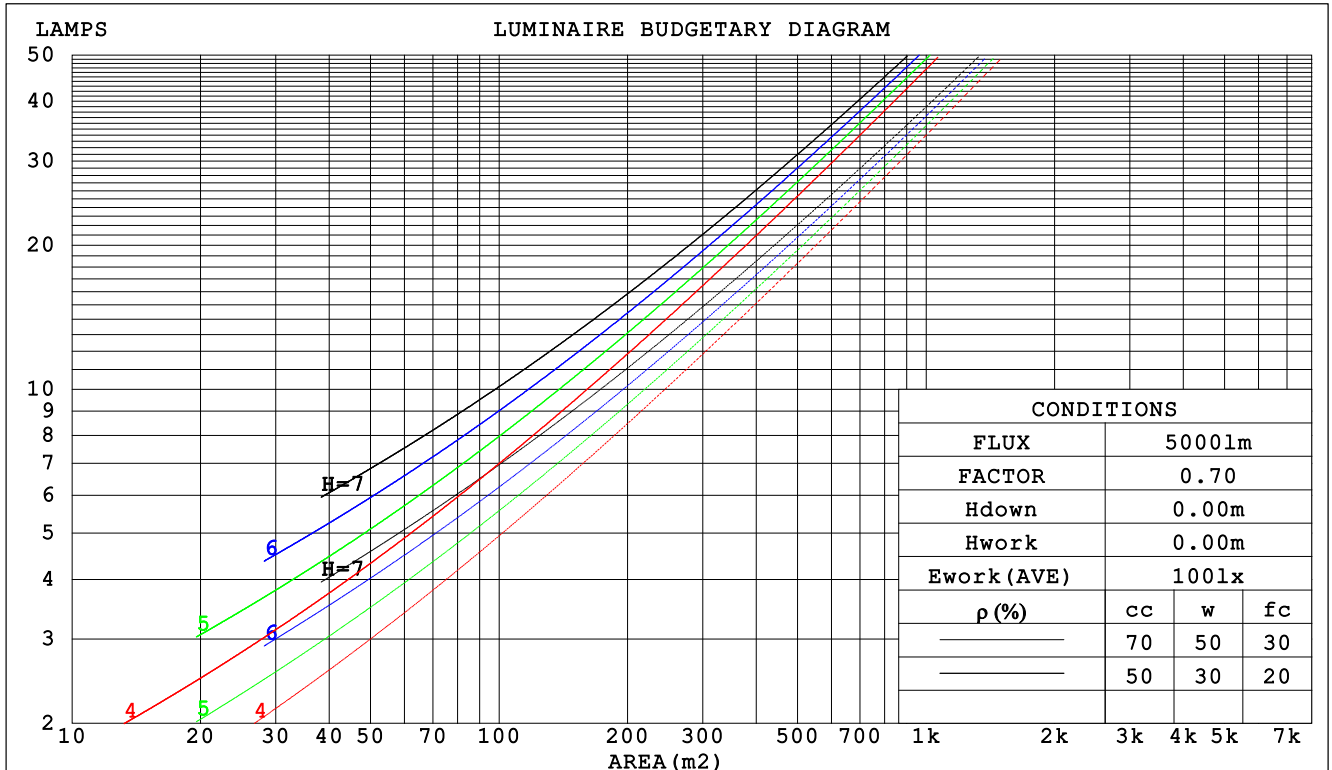
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.04	1.04	1.04	.94	.94	.94	.75	.75	.75	.58	.58	.58	.43	.43	.43	.35
1.0	.91	.87	.84	.82	.79	.77	.67	.64	.63	.52	.51	.49	.38	.38	.37	.31
2.0	.80	.74	.70	.73	.68	.64	.59	.56	.53	.46	.44	.42	.34	.33	.32	.27
3.0	.71	.64	.58	.64	.58	.54	.52	.48	.45	.41	.38	.36	.31	.29	.28	.23
4.0	.63	.55	.50	.57	.51	.46	.47	.42	.39	.37	.34	.31	.28	.26	.24	.20
5.0	.56	.49	.43	.51	.45	.40	.42	.37	.33	.33	.30	.27	.25	.23	.21	.18
6.0	.50	.43	.37	.46	.39	.35	.38	.33	.29	.30	.27	.24	.23	.21	.19	.16
7.0	.46	.38	.33	.42	.35	.30	.34	.30	.26	.28	.24	.21	.21	.19	.17	.14
8.0	.41	.34	.29	.38	.32	.27	.31	.27	.23	.25	.22	.19	.20	.17	.15	.13
9.0	.38	.31	.26	.35	.28	.24	.29	.24	.21	.23	.20	.17	.18	.16	.14	.12
10.0	.35	.28	.23	.32	.26	.22	.27	.22	.19	.22	.18	.16	.17	.14	.13	.11



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm									
NAME: FS0043				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	.259	.147	.047	.233	.133	.042	.183	.105	.034	.138	.079	.025	.096	.055	.018		
2.0	.242	.133	.041	.218	.120	.037	.172	.096	.030	.131	.073	.023	.092	.052	.016		
3.0	.225	.120	.036	.203	.108	.033	.161	.087	.027	.123	.067	.021	.087	.048	.015		
4.0	.209	.109	.032	.189	.099	.029	.150	.080	.024	.115	.062	.019	.082	.045	.014		
5.0	.195	.099	.029	.176	.090	.026	.141	.073	.022	.108	.057	.017	.077	.041	.012		
6.0	.182	.091	.026	.165	.083	.024	.132	.068	.020	.101	.053	.015	.073	.038	.011		
7.0	.170	.084	.024	.154	.077	.022	.124	.063	.018	.095	.049	.014	.069	.036	.010		
8.0	.160	.078	.022	.145	.071	.020	.117	.058	.017	.090	.046	.013	.065	.033	.010		
9.0	.150	.073	.020	.137	.067	.019	.110	.054	.015	.085	.043	.012	.062	.031	.009		
10.0	.142	.068	.019	.129	.062	.017	.104	.051	.014	.081	.040	.011	.059	.029	.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	.684	.684	.684	.584	.584	.584	.399	.399	.399	.229	.229	.229	.073	.073	.073	
1.0	.674	.654	.636	.577	.561	.547	.395	.386	.378	.227	.223	.220	.073	.072	.071	
2.0	.666	.633	.605	.571	.545	.523	.391	.377	.365	.226	.219	.214	.072	.071	.070	
3.0	.659	.617	.584	.565	.533	.506	.388	.370	.355	.224	.216	.209	.072	.070	.069	
4.0	.653	.606	.570	.560	.523	.495	.385	.365	.349	.223	.214	.206	.072	.070	.068	
5.0	.646	.597	.560	.555	.516	.487	.382	.361	.344	.221	.212	.204	.071	.069	.067	
6.0	.640	.589	.553	.550	.510	.481	.380	.357	.341	.220	.210	.202	.071	.069	.067	
7.0	.635	.583	.547	.546	.506	.477	.377	.355	.338	.219	.209	.201	.071	.068	.067	
8.0	.629	.578	.543	.542	.502	.474	.375	.352	.336	.218	.208	.200	.071	.068	.066	
9.0	.624	.574	.540	.538	.498	.471	.373	.350	.334	.217	.207	.199	.070	.068	.066	
10.0	.620	.570	.538	.534	.495	.469	.371	.349	.333	.216	.206	.199	.070	.068	.066	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm										
NAME: FS0043					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	14.3	15.1	15.3	16.1	17.4	13.3	14.1	14.3	15.1	16.4
3H	15.0	15.8	16.1	16.8	18.1	13.9	14.6	14.9	15.6	16.9
4H	15.4	16.0	16.4	17.0	18.4	14.0	14.7	15.1	15.7	17.1
6H	15.7	16.3	16.8	17.3	18.7	14.0	14.6	15.1	15.7	17.0
8H	15.9	16.4	16.9	17.5	18.9	14.0	14.6	15.0	15.6	17.0
12H	16.0	16.5	17.0	17.6	19.0	13.9	14.4	14.9	15.5	16.9
4H 2H	14.3	14.9	15.3	16.0	17.3	13.4	14.0	14.4	15.0	16.4
3H	15.2	15.7	16.2	16.8	18.2	14.1	14.7	15.2	15.7	17.1
4H	15.6	16.1	16.7	17.2	18.6	14.4	14.9	15.4	15.9	17.3
6H	16.1	16.5	17.2	17.6	19.0	14.4	14.9	15.5	15.9	17.4
8H	16.3	16.7	17.4	17.8	19.2	14.4	14.8	15.5	15.9	17.3
12H	16.4	16.8	17.5	17.9	19.4	14.3	14.7	15.4	15.7	17.2
8H 4H	15.5	15.9	16.6	17.0	18.5	14.4	14.8	15.5	15.9	17.3
6H	16.1	16.4	17.2	17.5	19.0	14.5	14.9	15.7	16.0	17.5
8H	16.4	16.6	17.5	17.8	19.3	14.5	14.8	15.6	15.9	17.4
12H	16.6	16.8	17.7	17.9	19.4	14.4	14.7	15.6	15.8	17.3
12H 4H	15.5	15.8	16.6	16.9	18.4	14.3	14.7	15.5	15.8	17.3
6H	16.0	16.3	17.2	17.4	18.9	14.5	14.8	15.6	15.9	17.4
8H	16.3	16.5	17.4	17.7	19.2	14.5	14.7	15.6	15.9	17.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.6 / - 0.7				
1.5H	+ 0.4 / - 0.4					+ 0.2 / - 0.8				
2.0H	+ 1.2 / - 0.5					+ 1.0 / - 1.1				

CIE Pub.117 Corrected 4881 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2026-08-21

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:

UTILIZATION FACTORS TABLE

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

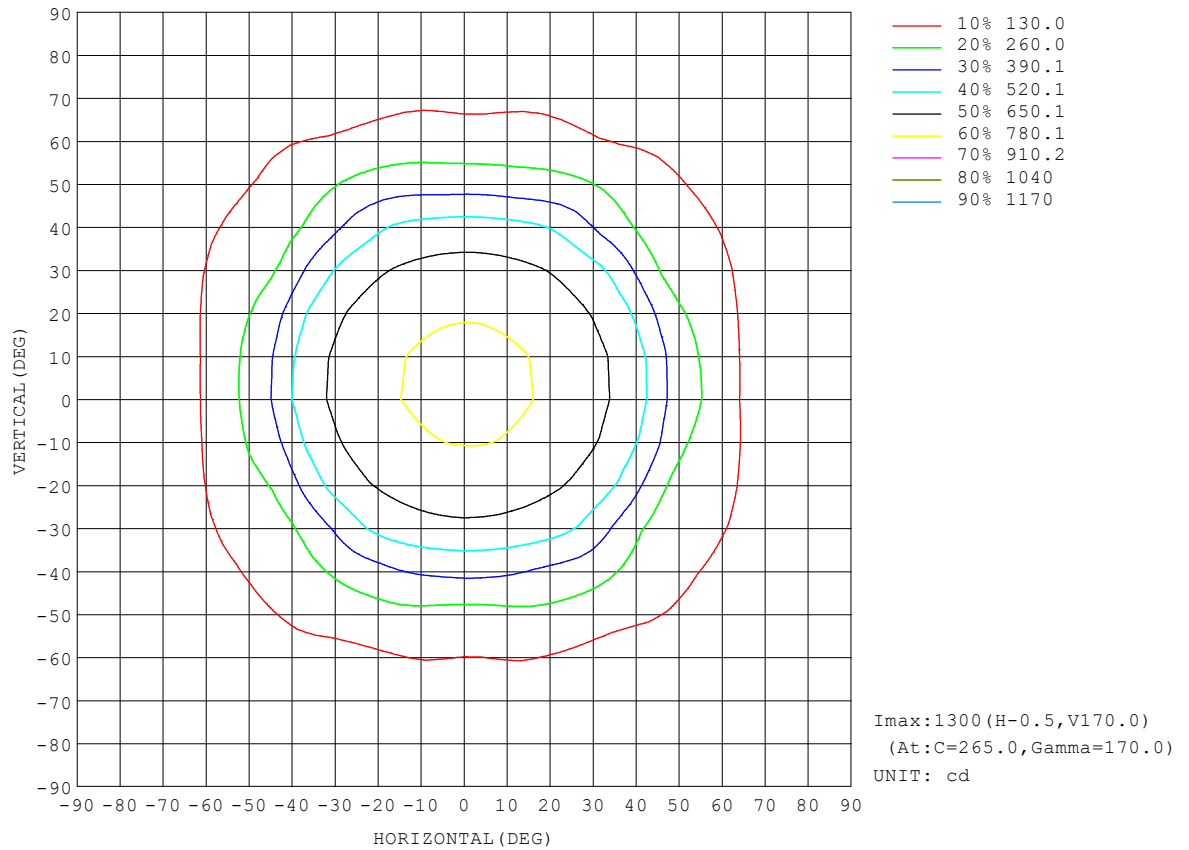
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	33	27	40	31	26	34	27	23	15
0.80	52	41	35	48	39	33	41	34	29	18
1.00	60	49	42	55	45	39	46	40	35	21
1.25	66	56	49	61	52	46	50	44	40	24
1.50	71	61	54	65	57	51	54	48	43	25
2.00	78	69	62	71	64	58	58	53	49	27
2.50	82	74	68	75	68	63	61	56	53	29
3.00	85	78	72	78	72	67	63	59	56	30
4.00	90	84	79	81	76	72	66	63	60	31
5.00	92	87	83	84	79	76	68	65	62	32
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:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

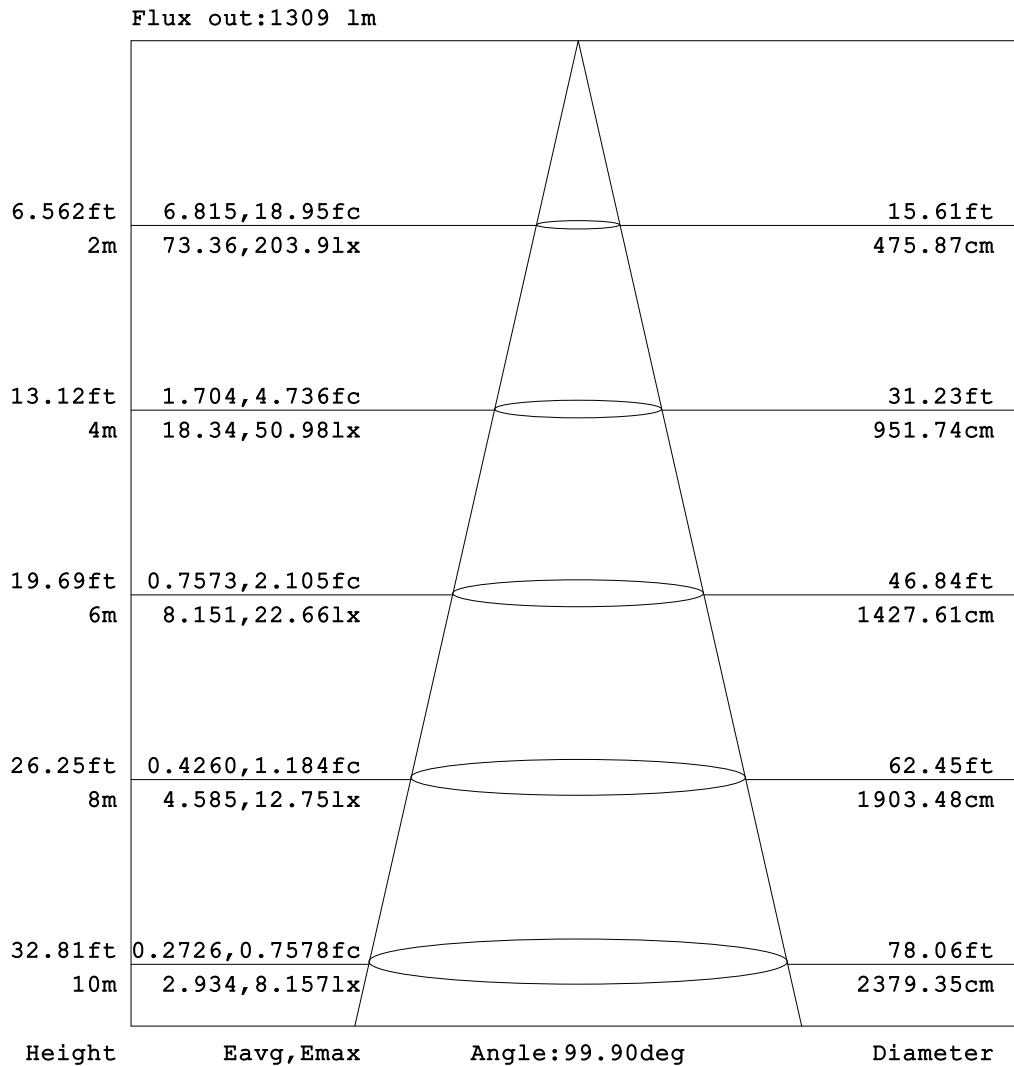


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



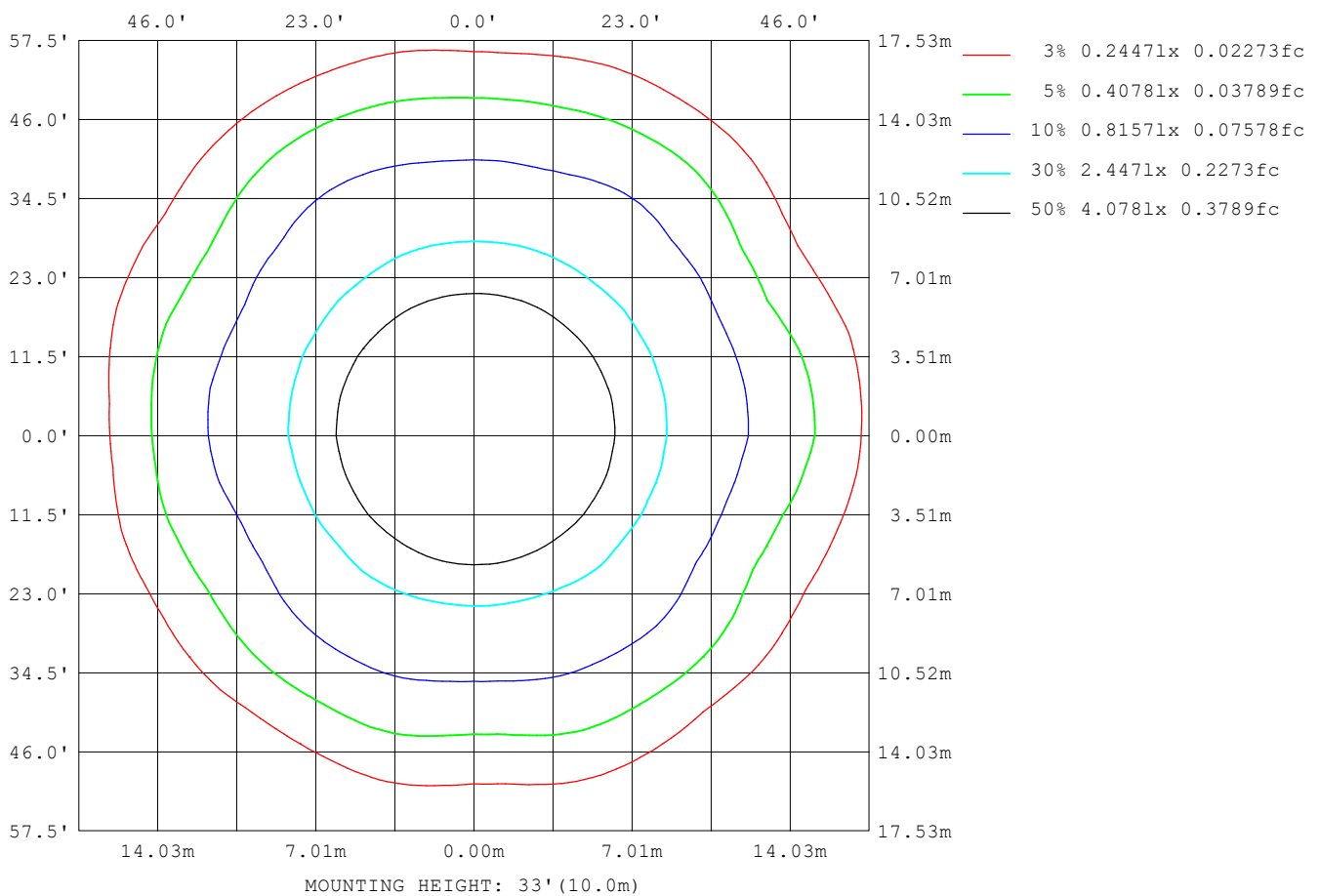
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-08-21

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

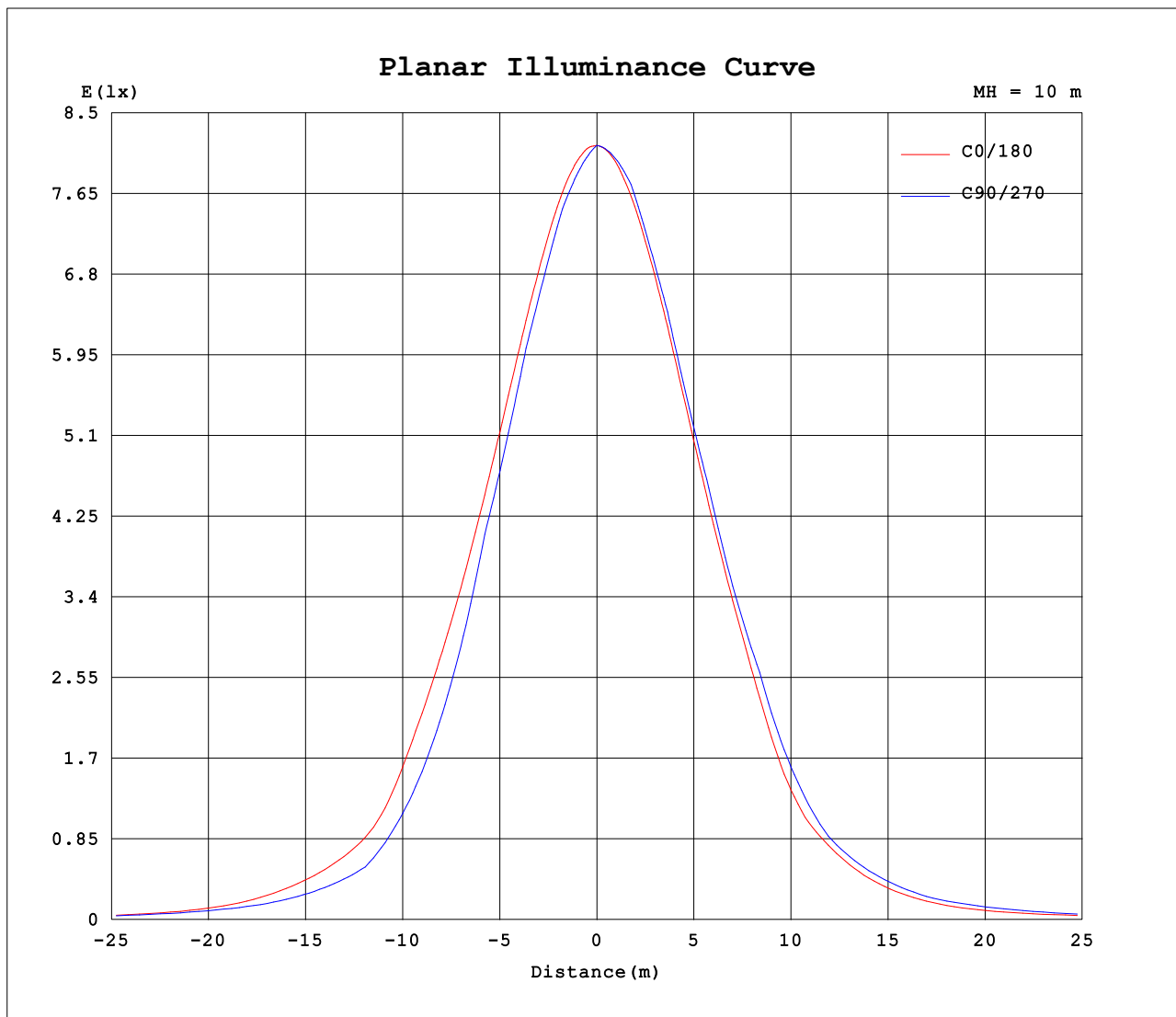
Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm		
NAME: FS0043	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2026-08-21

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: 2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm																		
NAME: FS0043									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	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816
5	813	812	810	809	808	807	806	805	804	804	803	803	802	802	801	801	800	800	800
10	803	800	798	796	794	793	791	790	789	788	788	787	787	786	786	786	785	785	784
15	785	782	779	776	774	773	771	770	770	768	765	763	761	759	758	757	756	756	755
20	761	757	753	751	749	748	746	742	738	735	732	730	729	728	727	727	726	726	726
25	730	724	720	717	716	712	706	702	699	697	695	692	687	683	681	678	677	676	675
30	689	682	678	675	671	663	658	655	652	645	640	636	633	630	628	627	626	625	625
35	637	628	623	620	609	602	600	590	583	579	578	577	563	550	539	533	528	525	524
40	567	554	548	535	521	518	503	492	492	495	483	467	451	440	433	429	425	424	423
45	455	438	432	410	395	385	373	367	379	384	375	357	345	342	340	333	325	319	317
50	327	308	291	272	263	259	255	271	283	288	285	278	272	266	259	245	227	214	210
55	263	244	227	208	199	191	194	203	207	208	204	201	201	201	198	191	180	171	169
60	189	185	178	171	165	158	157	156	153	145	141	141	143	145	146	143	137	130	129
65	119	127	132	132	126	121	121	121	117	108	96.4	89.4	96.0	103	107	107	103	98.7	98.3
70	81.0	90.7	97.1	97.3	91.3	87.4	86.4	87.1	86.3	81.3	75.4	73.0	73.5	74.4	74.9	74.1	70.5	67.4	67.9
75	65.3	68.0	68.4	66.8	62.3	58.6	56.2	57.8	57.2	56.8	56.4	53.9	50.5	48.4	47.7	47.0	45.2	43.6	43.9
80	54.3	51.4	47.0	44.1	41.4	37.2	35.4	32.6	30.3	29.3	28.1	26.2	24.3	23.0	21.9	20.8	20.2	19.9	20.0
85	27.7	24.8	20.3	16.8	14.0	11.4	8.77	7.68	6.63	5.58	4.54	3.55	2.66	1.88	1.20	0.67	0.30	0.08	0.00
90	3.51	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	46.4	37.9	29.9	23.8	20.6	18.8	17.8	14.8	12.2	9.82	7.73	5.89	4.30	2.97	1.89	1.06	0.47	0.12	0.00
100	92.0	83.2	73.5	63.0	51.6	42.5	34.8	33.1	32.3	31.9	31.7	31.5	31.4	31.3	31.1	30.9	30.8	30.7	30.5
105	162	150	138	123	106	87.4	70.3	61.2	53.5	47.6	45.0	44.6	44.3	44.0	43.8	43.5	43.4	43.2	43.1
110	265	246	229	210	190	161	137	111	86.0	78.3	72.2	67.6	64.1	61.4	59.3	57.7	56.6	55.9	55.6
115	400	380	357	333	310	278	241	197	171	144	116	94.9	90.6	87.4	84.9	83.0	81.7	80.9	80.4
120	558	535	509	487	467	430	392	347	291	240	216	192	170	150	134	122	113	107	105
125	705	682	660	642	618	600	559	525	478	424	366	306	273	254	238	227	219	213	210
130	830	808	791	770	753	738	723	684	656	636	582	528	476	429	390	360	337	321	314
135	934	914	902	881	867	852	838	831	799	772	753	739	706	665	633	606	585	568	560
140	1020	1003	991	976	959	947	932	919	908	893	870	853	841	833	829	825	819	812	805
145	1088	1073	1062	1054	1036	1023	1013	999	987	977	969	964	953	943	935	926	916	907	900
150	1147	1134	1124	1116	1106	1093	1082	1074	1068	1058	1050	1044	1038	1032	1025	1018	1010	1002	995
155	1203	1191	1182	1174	1170	1162	1151	1142	1136	1130	1126	1117	1108	1099	1090	1081	1073	1066	1061
160	1247	1238	1230	1223	1218	1213	1208	1198	1189	1181	1174	1167	1161	1154	1147	1142	1135	1130	1126
165	1270	1263	1257	1251	1246	1241	1236	1232	1228	1221	1214	1207	1201	1195	1189	1184	1180	1177	1174
170	1278	1273	1269	1265	1261	1257	1253	1250	1246	1243	1240	1237	1234	1231	1229	1226	1225	1224	1223
175	1278	1275	1273	1271	1269	1267	1265	1263	1262	1260	1258	1256	1255	1254	1253	1252	1252	1251	1251
180	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm																			
NAME: FS0043										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	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816
5	800	800	800	800	800	800	801	801	802	802	803	804	805	806	807	808	809	811	811
10	784	784	784	784	784	783	783	784	784	785	786	786	788	789	791	793	795	798	798
15	755	755	755	755	755	756	758	759	762	764	764	765	766	767	769	772	775	779	779
20	726	724	724	724	723	724	725	725	727	729	732	736	737	738	741	744	748	753	753
25	675	675	675	676	678	681	684	687	687	687	689	693	698	701	703	706	711	718	718
30	624	624	624	623	624	624	625	627	630	637	638	639	643	649	653	657	663	673	672
35	523	525	529	535	543	551	558	554	550	552	561	571	570	575	587	591	599	612	611
40	421	421	425	430	435	439	446	450	447	440	443	452	461	463	473	485	498	520	520
45	318	323	331	336	336	332	337	342	339	328	316	320	324	325	337	357	369	387	388
50	216	229	242	251	253	254	257	256	252	246	236	228	235	242	257	276	286	297	301
55	174	182	187	188	185	184	183	188	191	190	189	188	194	198	206	209	211	216	221
60	133	137	138	135	132	133	136	141	146	147	147	145	146	150	151	148	144	144	149
65	102	106	105	101	96.0	94.1	97.9	108	113	112	107	106	109	114	115	112	103	98.8	103
70	71.4	75.0	76.3	76.1	76.5	77.9	80.1	83.3	84.5	83.1	79.9	80.9	84.2	88.0	88.8	86.9	83.5	82.1	83.8
75	45.9	48.1	49.3	50.3	52.5	55.5	57.3	58.0	57.5	57.9	58.5	60.4	63.2	63.0	64.1	65.8	67.8	69.5	69.0
80	20.4	21.3	22.6	23.9	25.2	27.0	28.5	29.8	30.6	32.7	36.1	38.8	39.0	40.2	41.1	42.2	42.8	45.3	48.2
85	0.08	0.32	0.73	1.33	2.06	2.97	4.01	5.13	6.27	7.36	8.57	9.88	12.2	14.6	16.7	17.6	15.9	15.1	21.9
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	1.75	0.00
95	0.12	0.46	1.04	1.84	2.86	4.08	5.49	7.05	8.75	10.5	12.4	14.4	14.6	15.2	15.9	16.7	14.1	6.83	14.1
100	30.5	30.5	30.4	30.3	30.2	29.9	29.5	29.1	28.8	28.6	28.8	29.4	34.2	38.8	42.6	43.7	41.6	40.5	44.3
105	43.0	43.0	42.9	42.8	42.6	42.4	42.1	41.8	43.3	47.5	53.0	59.4	70.0	79.2	85.1	86.0	86.4	86.1	88.1
110	55.7	56.2	56.9	58.0	59.4	61.0	63.3	66.3	70.3	75.6	94.8	113	128	144	150	152	152	154	155
115	80.3	80.6	81.4	82.6	84.0	85.8	88.4	106	127	147	165	196	221	237	246	248	249	250	253
120	106	111	119	130	144	159	175	193	211	250	292	319	343	364	372	375	376	384	383
125	209	213	221	232	244	256	280	327	374	417	448	467	488	501	517	517	521	533	533
130	316	327	349	378	412	449	485	522	561	575	592	616	624	635	643	650	657	672	673
135	558	566	584	610	640	672	689	687	692	705	727	734	745	756	757	766	771	786	790
140	798	794	794	797	800	804	807	810	818	821	825	836	849	854	863	871	876	889	893
145	895	893	895	899	904	912	918	916	914	915	920	927	932	939	951	957	967	981	984
150	991	989	989	990	992	994	997	1000	1003	1005	1005	1005	1010	1017	1024	1029	1039	1051	1055
155	1057	1057	1058	1060	1063	1067	1071	1076	1077	1077	1078	1080	1084	1088	1089	1094	1101	1111	1114
160	1124	1123	1124	1125	1127	1128	1130	1132	1135	1139	1144	1149	1150	1150	1153	1157	1162	1170	1172
165	1173	1173	1174	1176	1178	1181	1184	1187	1191	1194	1195	1197	1200	1203	1207	1212	1218	1224	1225
170	1222	1222	1222	1223	1224	1225	1227	1228	1229	1232	1234	1236	1239	1242	1246	1251	1255	1260	1262
175	1252	1252	1253	1253	1254	1255	1256	1257	1259	1261	1262	1264	1266	1268	1271	1273	1275	1278	1279
180	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm																			
NAME: FS0043										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	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816
5	810	810	810	810	810	811	811	811	811	812	812	812	812	813	813	813	813	813	813
10	797	798	798	799	799	800	801	803	804	805	806	807	808	809	810	810	811	810	810
15	779	779	780	782	784	786	788	788	788	788	789	789	790	790	790	791	791	791	791
20	753	754	757	760	763	762	762	762	763	765	766	767	769	770	770	771	772	772	772
25	719	721	725	727	727	728	730	733	736	735	735	734	734	735	735	735	736	736	737
30	674	678	681	682	684	687	692	690	690	691	692	694	695	697	698	699	700	701	700
35	615	622	621	624	631	629	630	632	637	641	640	639	638	638	639	639	640	640	641
40	527	531	534	544	542	543	550	559	557	559	564	570	573	575	577	579	580	580	579
45	400	402	411	413	417	429	436	442	451	464	477	481	477	469	461	456	456	457	460
50	305	297	291	284	287	305	317	324	347	364	372	373	367	355	341	333	332	333	334
55	227	229	228	220	219	220	232	249	265	276	280	280	278	273	266	259	257	257	258
60	159	169	176	179	180	178	184	192	197	200	201	200	199	198	195	188	182	181	188
65	115	127	132	131	130	132	142	146	143	135	136	141	145	150	151	146	141	141	146
70	90.8	97.7	101	98.6	96.4	99.5	105	110	109	104	100.0	99.8	104	109	109	104	99.2	101	106
75	70.6	71.7	73.1	73.3	73.5	73.8	76.6	79.6	79.6	77.4	73.6	73.2	76.6	80.0	80.6	77.8	74.2	75.0	78.1
80	50.5	49.2	50.5	52.3	52.6	51.0	51.7	53.3	55.4	55.6	54.9	54.5	54.2	53.7	52.7	51.2	49.2	49.2	50.2
85	25.3	26.8	27.0	28.2	28.3	23.7	19.5	15.7	13.3	10.4	7.64	5.24	3.29	1.82	0.80	0.19	0.00	0.19	0.76
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	19.1	20.7	19.4	15.1	10.9	9.98	8.81	7.49	6.20	4.92	3.71	2.65	1.74	1.00	0.45	0.12	0.00	0.12	0.49
100	51.6	56.3	60.3	62.7	62.6	60.5	57.8	54.5	50.9	47.0	43.2	39.6	36.4	33.8	31.9	31.0	31.1	32.2	34.4
105	97.2	106	112	118	122	125	125	121	118	117	116	114	113	113	113	113	114	116	119
110	165	178	187	197	205	208	208	211	213	213	213	209	205	200	198	196	198	201	208
115	261	277	288	300	312	318	326	329	328	327	338	343	346	349	352	356	361	367	374
120	392	406	423	436	452	461	467	475	484	489	496	499	502	505	510	516	524	533	542
125	542	562	571	588	600	621	629	637	646	660	672	679	685	690	694	700	710	720	729
130	684	700	716	728	748	758	776	797	797	803	814	828	844	859	871	882	895	906	907
135	804	817	837	849	863	882	889	899	914	931	941	947	955	961	968	979	990	999	1000
140	904	915	929	946	955	966	980	993	1001	1012	1023	1035	1045	1053	1063	1074	1085	1091	1090
145	992	1003	1010	1022	1037	1046	1054	1063	1075	1086	1093	1099	1107	1116	1127	1137	1145	1150	1149
150	1062	1071	1080	1088	1098	1109	1119	1125	1131	1139	1147	1157	1167	1178	1189	1198	1205	1208	1205
155	1119	1126	1136	1144	1151	1158	1166	1176	1186	1192	1200	1208	1217	1224	1231	1237	1240	1242	1241
160	1175	1180	1187	1195	1203	1208	1214	1220	1228	1236	1244	1252	1259	1266	1271	1274	1276	1276	1275
165	1227	1230	1234	1239	1245	1252	1260	1264	1268	1271	1274	1278	1281	1284	1286	1287	1288	1287	1287
170	1263	1265	1267	1270	1273	1276	1279	1282	1286	1289	1291	1294	1297	1298	1300	1300	1300	1299	1298
175	1279	1280	1281	1282	1283	1285	1286	1287	1288	1289	1289	1290	1290	1291	1291	1290	1290	1290	1289
180	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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

Test:U:222.1V I:0.2340A P:50.10W PF:0.9630 Lamp Flux:4881.5x1 lm																	
NAME: FS0043									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	816	816	816	816	816	816	816	816	816	816	816	816	816	816	816				
5	813	813	813	813	813	813	813	813	812	812	812	812	812	812	813				
10	810	810	809	809	808	807	806	805	804	804	803	802	802	802	802				
15	792	792	792	792	792	792	793	793	791	790	788	786	785	785	785				
20	771	770	770	769	768	768	768	768	768	770	768	765	763	761	761				
25	737	737	737	738	740	741	739	737	736	737	738	737	733	731	730				
30	700	699	698	697	697	697	698	701	699	696	696	697	695	691	689				
35	642	643	645	648	651	649	646	645	647	648	645	644	646	641	637				
40	578	577	577	576	576	577	582	581	577	576	579	575	576	575	568				
45	464	473	484	493	489	475	470	476	481	468	468	470	467	476	460				
50	337	349	364	376	378	364	343	344	342	328	322	326	330	332	329				
55	259	265	271	276	281	277	264	246	229	224	217	232	250	259	264				
60	195	201	204	204	204	203	198	187	177	172	177	184	193	193	193				
65	151	152	148	139	132	137	143	144	142	140	141	144	142	134	124				
70	110	109	103	96.4	95.2	99.9	106	109	107	104	104	106	105	96.2	84.3				
75	80.0	78.1	72.6	67.2	67.1	71.9	77.1	77.5	73.7	69.8	69.8	74.5	75.2	71.7	66.1				
80	51.2	51.3	50.7	50.7	51.2	50.9	50.6	49.2	46.7	46.5	48.1	48.2	50.1	52.3	55.1				
85	1.73	3.07	4.81	7.16	9.91	12.2	14.4	17.1	20.8	24.7	24.3	24.2	23.8	24.1	25.5				
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	1.12	2.04	3.23	4.73	6.53	8.67	11.2	14.1	17.4	21.5	28.5	35.0	40.9	43.2	45.4				
100	37.6	41.9	46.9	52.5	58.4	64.4	70.0	75.4	80.6	85.8	91.5	93.8	96.3	97.3	96.9				
105	123	127	131	135	139	143	150	159	165	166	172	176	179	178	173				
110	217	229	241	252	261	267	270	269	278	283	286	293	293	290	281				
115	382	392	399	404	406	415	423	429	431	435	441	446	448	439	428				
120	550	562	575	586	595	604	609	604	604	611	612	622	611	601	587				
125	735	749	766	781	784	772	768	769	774	766	774	768	765	749	730				
130	903	903	907	909	908	905	910	900	893	895	889	886	878	870	849				
135	997	998	1006	1015	1018	1011	1000	994	994	987	983	980	971	968	947				
140	1084	1081	1083	1088	1092	1093	1090	1079	1069	1064	1063	1055	1051	1044	1029				
145	1145	1144	1146	1151	1158	1159	1156	1150	1144	1137	1127	1121	1118	1105	1095				
150	1202	1198	1198	1199	1203	1206	1209	1211	1205	1196	1190	1184	1174	1162	1153				
155	1239	1237	1237	1240	1244	1247	1247	1246	1245	1243	1242	1236	1226	1216	1208				
160	1273	1270	1268	1267	1267	1268	1269	1270	1273	1274	1271	1265	1260	1255	1251				
165	1286	1285	1283	1283	1283	1284	1286	1287	1285	1283	1280	1278	1276	1273	1271				
170	1297	1295	1294	1292	1290	1289	1288	1286	1285	1284	1283	1282	1281	1280	1279				
175	1289	1288	1287	1287	1286	1285	1285	1284	1283	1282	1281	1281	1280	1279	1278				
180	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2026-08-21

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: