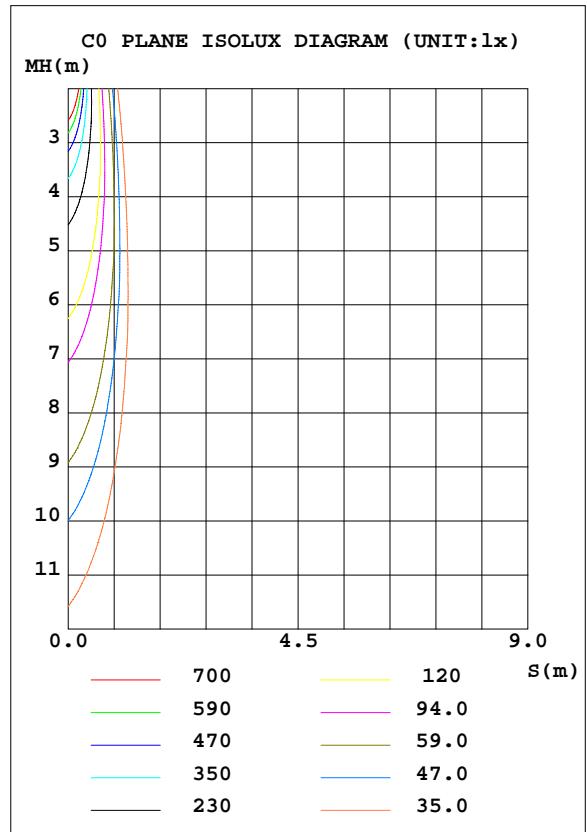
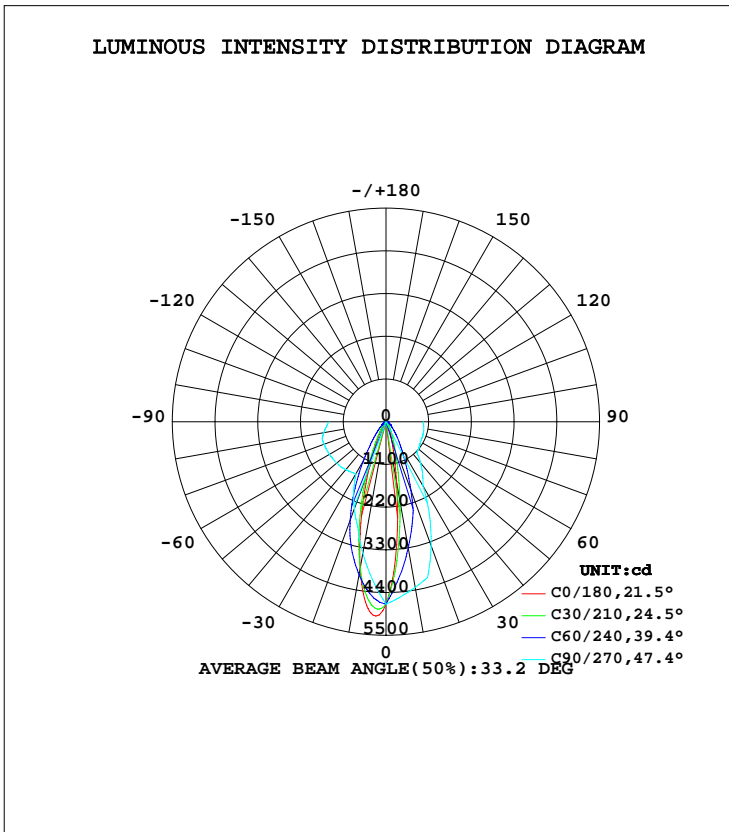


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 178.15 lm/W			
MODEL	2835	I _{max} (cd)	5011	S/MH(C0/180)	0.25
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2779.1	η UP, DN(C0-180)	0.0, 49.5
NOMINAL FLUX(lm)	2779.07	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.00



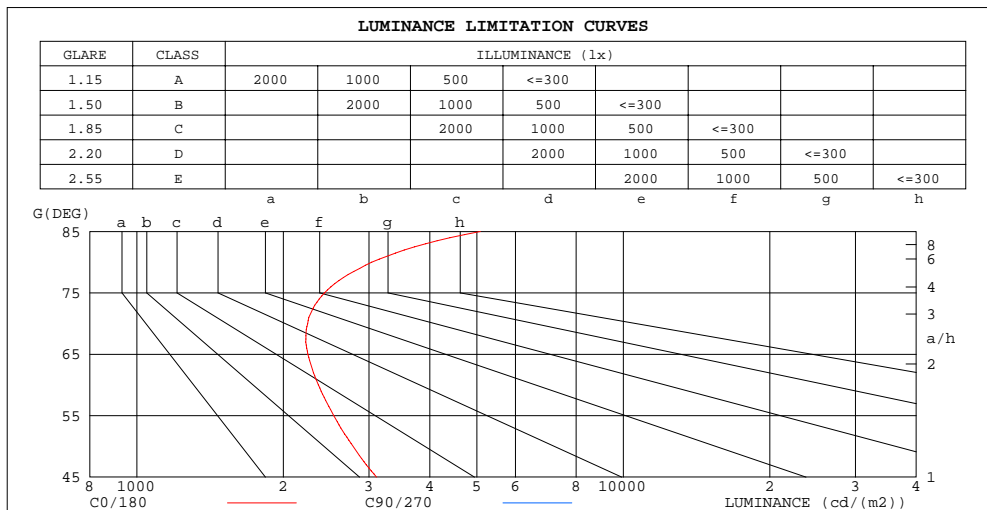
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DENO
 Test Date: 2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\$lum, lamp$
5	3176	3706	4515	4717	4899	4592	4068	3314	0- 5	104.1	104.1	3.75,3.75
10	1589	2621	4330	3812	3841	3961	3437	1937	5- 10	257.4	361.5	13,13
15	701.0	1713	4146	2518	2400	3045	2806	1011	10- 15	317.9	679.4	24.4,24.4
20	354.8	1067	3398	1401	1272	2065	2387	523.5	15- 20	309.0	988.4	35.6,35.6
25	206.3	611.8	2651	768.1	610.4	1175	1967	302.6	20- 25	262.6	1251	45,45
30	130.2	374.0	1903	425.2	302.9	605.9	1548	188.2	25- 30	207.6	1459	52.5,52.5
35	91.51	243.3	1644	240.3	173.3	310.9	1580	127.6	30- 35	165.0	1624	58.4,58.4
40	69.17	173.4	1385	145.5	113.7	176.3	1612	93.58	35- 40	143.3	1767	63.6,63.6
45	54.98	123.2	1126	106.4	81.13	118.0	1644	76.22	40- 45	125.8	1893	68.1,68.1
50	44.73	93.42	1093	80.62	62.51	81.75	1656	63.36	45- 50	113.4	2006	72.2,72.2
55	36.43	73.76	1061	63.03	49.97	59.01	1669	53.44	50- 55	108.2	2114	76.1,76.1
60	29.52	60.26	1028	53.05	40.53	48.54	1682	45.20	55- 60	104.0	2218	79.8,79.8
65	23.74	50.11	1020	44.73	32.74	40.51	1690	38.53	60- 65	100.4	2319	83.4,83.4
70	19.19	42.61	1012	39.40	26.43	34.58	1698	33.49	65- 70	97.86	2417	87,87
75	15.72	37.75	1004	35.25	21.21	30.21	1705	29.82	70- 75	95.59	2512	90.4,90.4
80	13.19	34.00	989.1	32.51	17.15	26.34	1626	26.66	75- 80	92.46	2605	93.7,93.7
85	11.07	31.48	974.0	31.57	13.76	22.40	1546	23.80	80- 85	88.94	2694	96.9,96.9
90	3.415	29.63	958.9	30.82	9.315	18.82	1466	21.24	85- 90	85.54	2779	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5083	447023
80	3039	227848
75	2430	155206
70	2244	118370
65	2247	96540
60	2362	82228
55	2540	73962
50	2783	68033
45	3110	63695

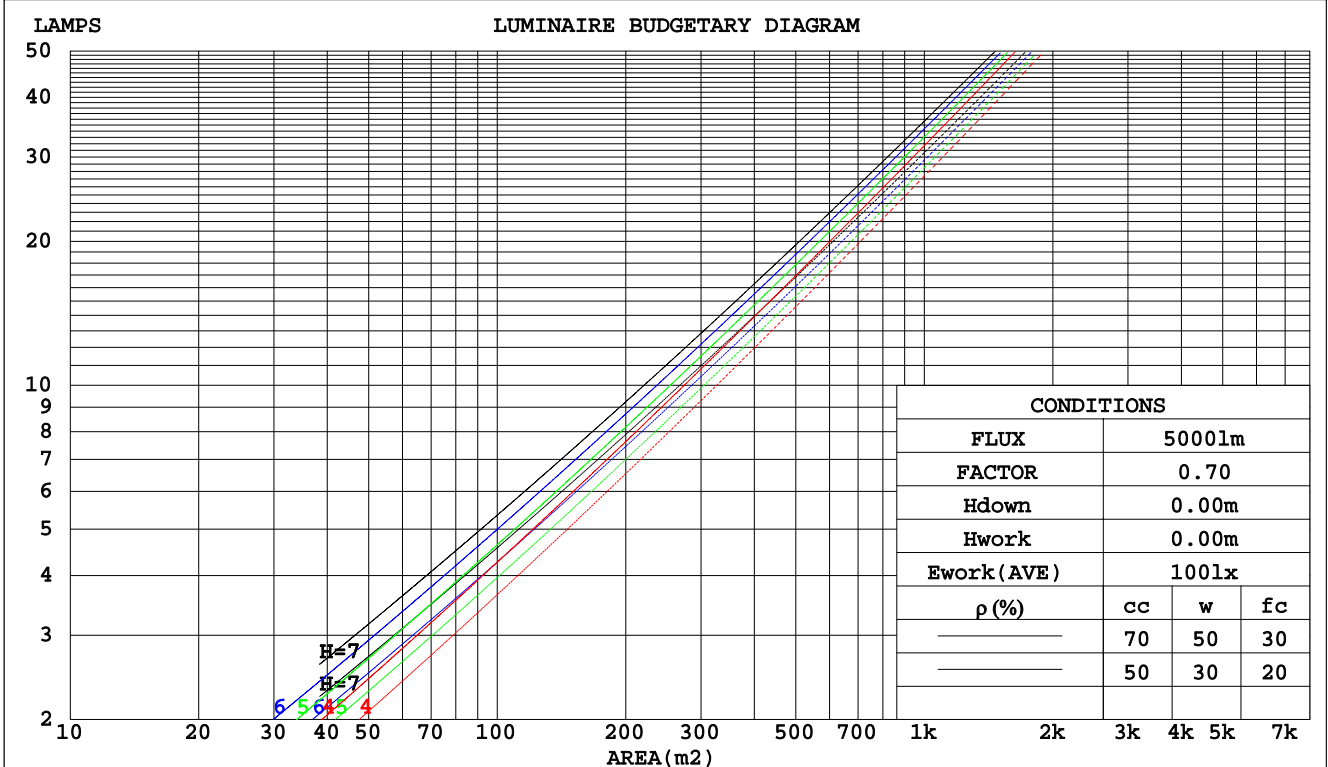
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DENO
Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.79	.76	.74
3.0	.85	.78	.72	.83	.77	.72	.81	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.78	.71	.65	.77	.70	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.57	.55
6.0	.67	.60	.55	.67	.59	.54	.65	.59	.54	.63	.58	.54	.62	.57	.53	.51
7.0	.63	.56	.51	.62	.56	.51	.61	.55	.50	.60	.54	.50	.59	.54	.50	.48
8.0	.60	.52	.48	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.47	.45
9.0	.56	.49	.45	.56	.49	.45	.55	.49	.45	.54	.48	.44	.53	.48	.44	.43
10.0	.53	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.50	.45	.42	.40



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DENO
 Test Date: 2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.307	.174	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049	
2.0	.263	.144	.044	.257	.142	.044	.246	.137	.042	.235	.132	.041	.226	.128	.040	
3.0	.234	.125	.037	.229	.123	.037	.219	.119	.036	.210	.115	.035	.201	.111	.034	
4.0	.212	.110	.032	.207	.108	.032	.198	.105	.031	.190	.102	.031	.183	.099	.030	
5.0	.193	.099	.029	.189	.097	.028	.182	.095	.028	.175	.092	.027	.168	.090	.027	
6.0	.178	.089	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	.156	.082	.024	
7.0	.166	.082	.023	.162	.081	.023	.157	.079	.023	.151	.077	.023	.146	.076	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.137	.070	.020	
9.0	.145	.070	.020	.143	.069	.019	.138	.068	.019	.133	.067	.019	.129	.066	.019	
10.0	.137	.065	.018	.134	.065	.018	.130	.064	.018	.126	.063	.018	.123	.062	.018	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.168	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.056	.087	.060	.039	.050	.035	.023	.016	.012	.008	
5.0	.138	.089	.053	.119	.077	.046	.082	.054	.032	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.123	.073	.038	.106	.063	.033	.073	.044	.023	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.029	.095	.053	.025	.066	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.104	.057	.025	.090	.049	.022	.062	.035	.016	.036	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	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	9.7	10.9	9.9	11.1	11.3	27.2	28.4	27.5	28.6	28.8
3H	10.7	11.9	11.0	12.1	12.3	30.6	31.8	30.9	32.0	32.2
4H	11.2	12.3	11.5	12.5	12.8	32.8	33.9	33.1	34.1	34.4
6H	11.7	12.7	12.0	13.0	13.3	35.4	36.5	35.7	36.7	37.0
8H	12.0	13.0	12.3	13.3	13.5	36.9	37.9	37.2	38.2	38.5
12H	12.4	13.4	12.7	13.7	14.0	38.6	39.6	38.9	39.9	40.2
4H 2H	11.8	12.9	12.1	13.1	13.4	26.9	28.0	27.2	28.3	28.5
3H	12.8	13.8	13.2	14.1	14.4	30.3	31.3	30.7	31.6	31.9
4H	13.3	14.2	13.7	14.5	14.9	32.5	33.5	32.9	33.8	34.1
6H	13.8	14.6	14.2	15.0	15.3	35.3	36.1	35.7	36.5	36.8
8H	14.2	15.0	14.6	15.3	15.7	36.9	37.7	37.3	38.1	38.5
12H	14.7	15.4	15.1	15.8	16.2	39.0	39.7	39.4	40.1	40.5
8H 4H	15.0	15.8	15.4	16.2	16.6	32.4	33.2	32.8	33.5	33.9
6H	15.7	16.3	16.1	16.7	17.2	35.1	35.8	35.6	36.2	36.6
8H	16.1	16.7	16.5	17.1	17.5	36.8	37.4	37.3	37.9	38.3
12H	16.6	17.2	17.1	17.6	18.1	39.0	39.5	39.4	40.0	40.4
12H 4H	15.9	16.6	16.3	17.0	17.4	32.3	33.1	32.8	33.5	33.9
6H	16.7	17.3	17.2	17.7	18.2	35.1	35.7	35.5	36.1	36.6
8H	17.2	17.7	17.6	18.2	18.6	36.8	37.3	37.3	37.8	38.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.7 / - 0.3					+ 1.0 / - 1.2				
2.0H	+ 0.9 / - 0.7					+ 1.7 / - 2.4				

CIE Pub.117 Corrected 2779 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		

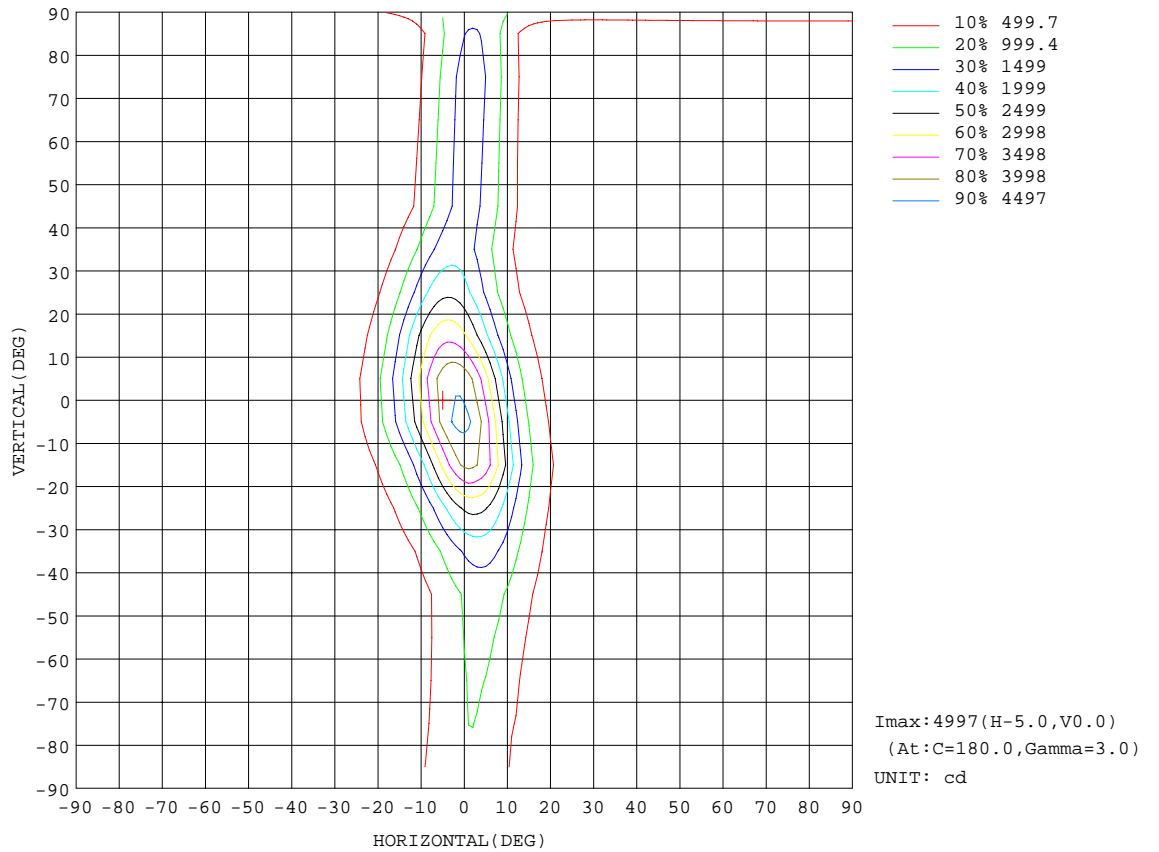
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	70	60	55	69	60	55	68	60	54	49
0.80	78	68	62	77	68	62	75	67	62	56
1.00	84	75	69	83	74	68	81	75	68	62
1.25	89	80	74	88	80	74	85	78	73	67
1.50	93	85	79	91	84	78	89	82	77	70
2.00	98	90	84	96	89	84	93	87	82	75
2.50	101	94	88	99	93	87	95	90	86	78
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	101	97	105	100	96	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
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: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		

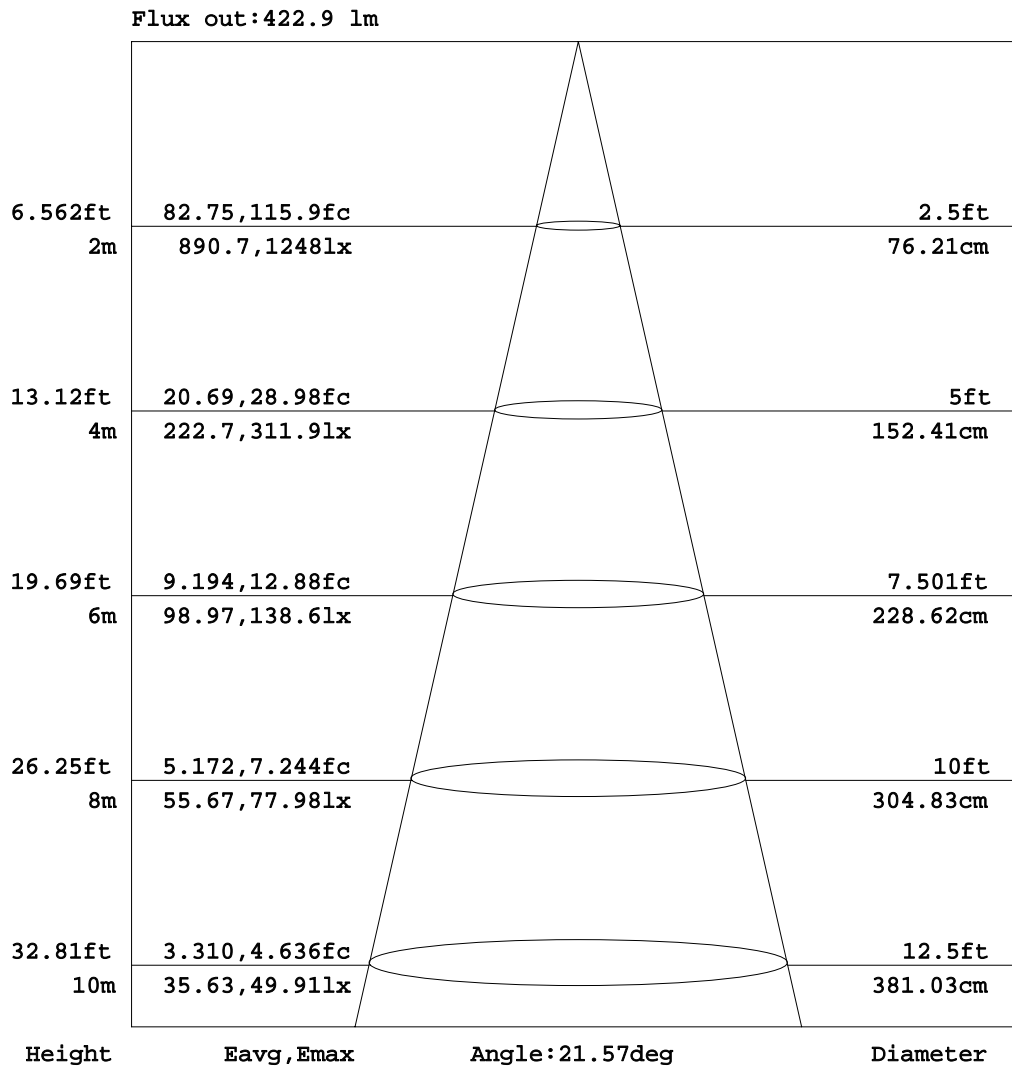


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DENO
 Test Date: 2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

AAI Figure

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		



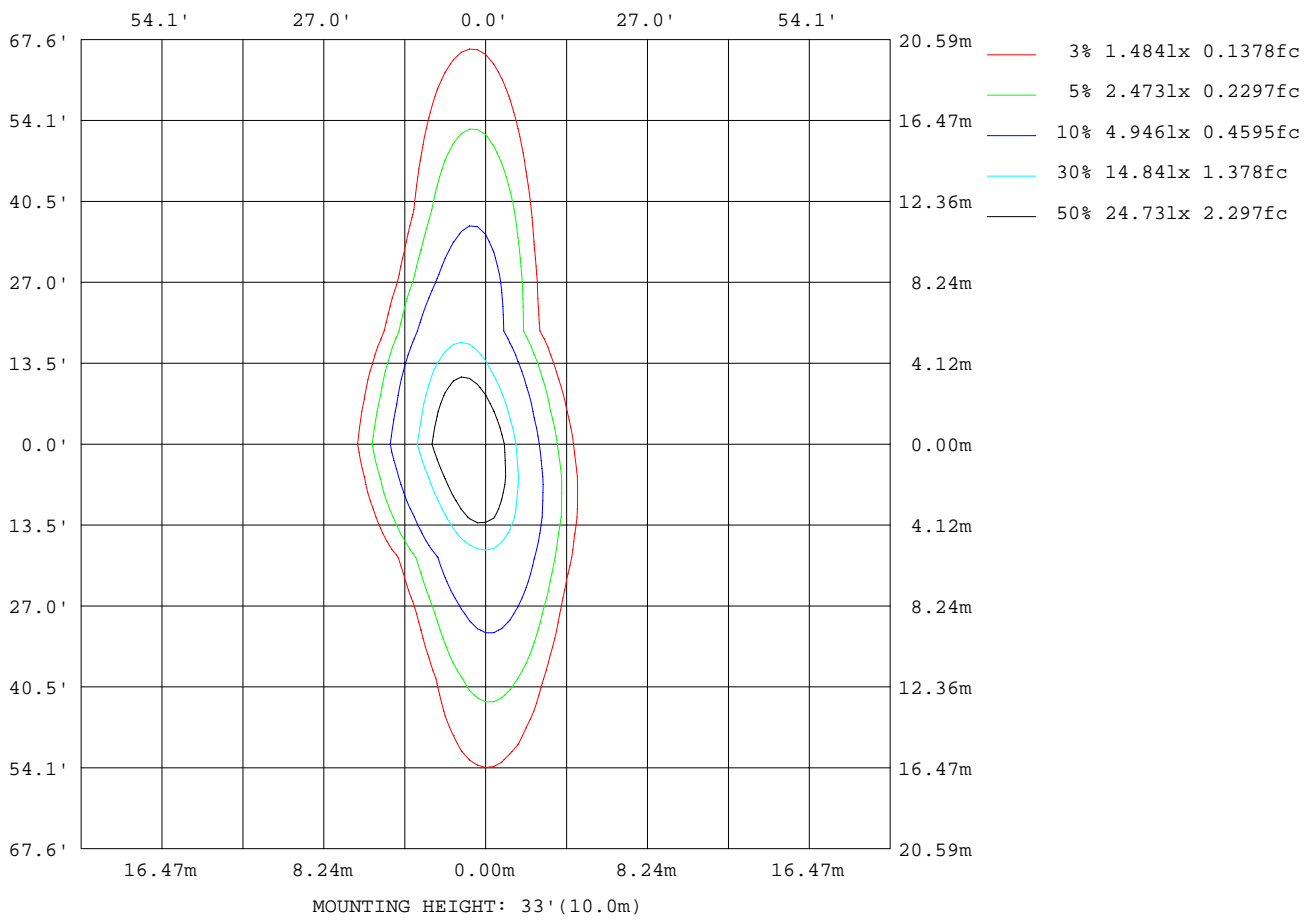
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

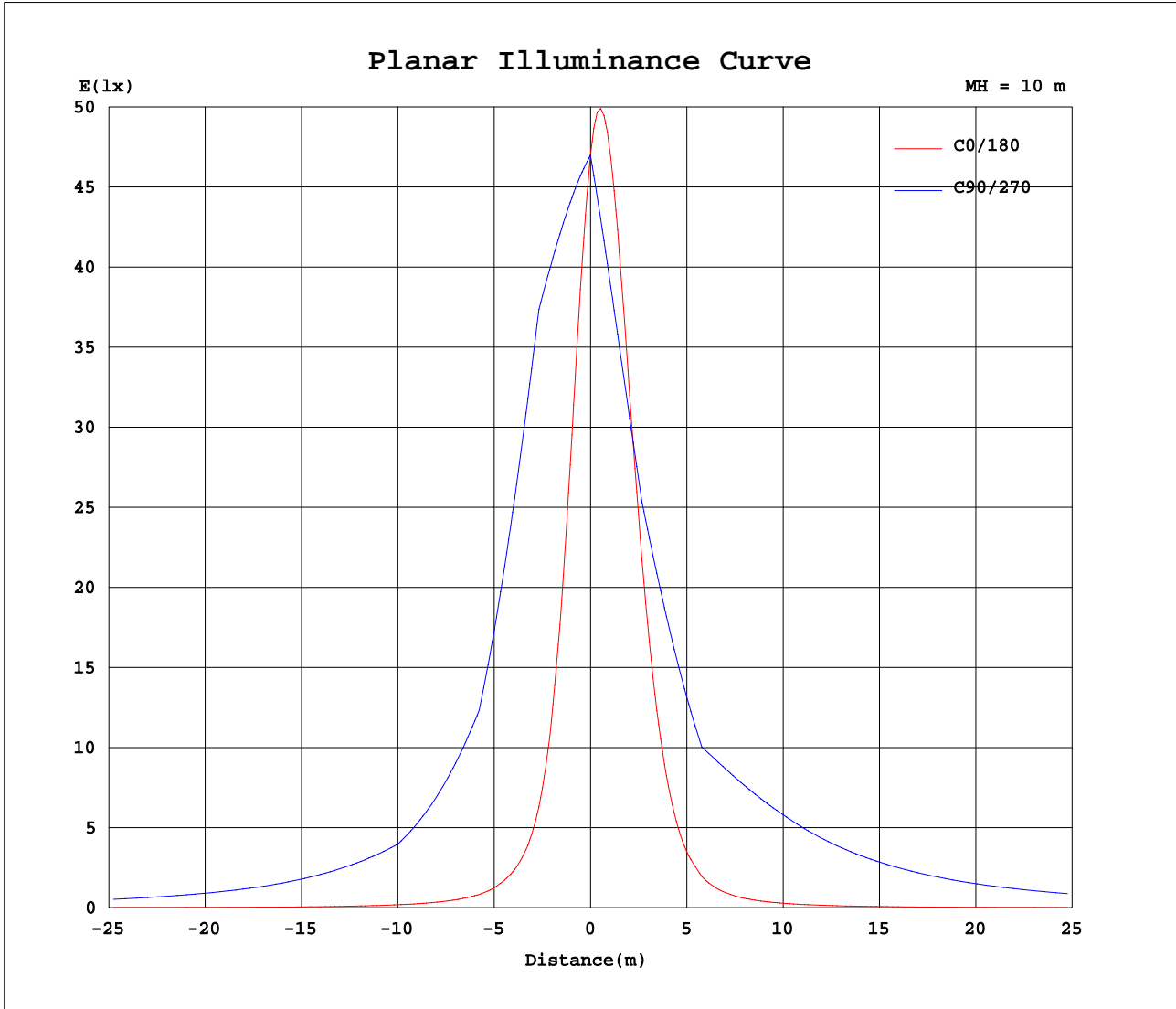
Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DENO
 Test Date: 2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DENO
 Test Date: 2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	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	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699
5	3176	3189	3215	3254	3305	3368	3441	3525	3613	3706	3806	3905	3997	4092	4181	4270	4356	4435	4515
10	1589	1620	1671	1740	1828	1935	2073	2232	2416	2621	2837	3064	3300	3537	3757	3937	4078	4209	4330
15	701	727	769	826	900	1000	1123	1277	1473	1713	1988	2295	2642	3002	3346	3672	3898	4023	4146
20	355	370	393	425	469	527	611	722	867	1067	1305	1564	1880	2221	2582	2908	3185	3312	3398
25	206	215	228	246	273	313	369	437	506	612	757	955	1215	1534	1878	2215	2484	2624	2651
30	130	136	145	158	175	200	228	259	307	374	464	601	793	1052	1352	1643	1861	1954	1903
35	91.5	95.5	102	110	122	136	151	172	203	243	305	395	534	734	1007	1311	1565	1693	1644
40	69.2	72.0	76.4	82.7	90.6	97.9	108	123	143	173	211	268	362	525	748	1040	1302	1440	1385
45	55.0	57.2	60.6	65.5	69.5	75.1	83.0	93.7	106	123	150	188	252	369	548	803	1058	1191	1126
50	44.7	46.6	49.5	52.8	56.0	60.6	66.3	72.6	81.4	93.4	111	138	182	263	424	659	942	1128	1093
55	36.4	38.3	41.1	43.4	46.5	50.2	53.6	58.3	64.8	73.8	87.0	108	141	202	333	538	828	1064	1061
60	29.5	31.4	33.9	36.2	39.1	41.4	44.5	48.3	53.2	60.3	70.6	85.9	111	157	261	459	721	992	1028
65	23.7	25.7	28.0	30.5	32.5	34.8	37.5	40.7	44.8	50.1	57.4	70.0	91.9	128	206	382	645	949	1020
70	19.2	21.2	23.4	24.6	27.5	29.7	32.0	34.8	38.1	42.6	50.0	59.7	78.7	109	173	328	581	909	1012
75	15.7	16.7	15.4	15.2	18.7	21.5	27.8	30.6	33.6	37.8	43.4	52.7	66.4	96.9	144	284	514	872	1004
80	13.2	10.5	15.0	15.8	14.4	14.4	20.7	27.2	30.0	34.0	38.7	47.6	59.7	87.0	129	253	469	823	989
85	11.1	11.7	13.7	14.7	16.3	13.1	14.1	23.8	28.1	31.5	36.3	44.3	55.6	80.2	119	227	431	776	974
90	3.41	12.2	12.3	13.3	14.0	14.7	11.2	20.2	26.4	29.6	34.2	41.9	52.3	75.1	110	205	398	731	959

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	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	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699
5	4562	4611	4644	4671	4693	4700	4712	4715	4717	4724	4732	4737	4750	4769	4794	4825	4860	4899	4855
10	4370	4370	4334	4269	4186	4090	3989	3895	3812	3735	3678	3636	3616	3618	3642	3687	3754	3841	3795
15	4106	3983	3795	3558	3315	3075	2855	2671	2518	2403	2319	2255	2216	2200	2211	2246	2308	2400	2364
20	3320	3138	2877	2585	2280	2000	1758	1569	1401	1304	1243	1196	1163	1149	1150	1170	1209	1272	1242
25	2525	2293	2005	1705	1432	1212	1018	877	768	683	622	598	578	566	560	564	580	610	592
30	1727	1481	1230	1002	813	668	564	483	425	379	344	316	299	291	287	286	290	303	296
35	1439	1158	876	643	476	367	292	265	240	218	199	185	173	165	162	162	165	173	169
40	1170	890	638	449	329	250	202	169	146	134	126	118	112	108	106	106	109	114	111
45	913	652	444	306	225	174	143	122	106	95.3	87.1	83.1	80.2	77.9	76.8	76.7	78.1	81.1	79.4
50	874	587	373	238	166	126	104	90.5	80.6	73.0	67.6	63.6	61.3	59.9	59.2	59.3	60.2	62.5	61.3
55	840	552	331	201	136	104	84.7	71.9	63.0	58.0	54.3	51.3	49.0	47.6	47.1	47.2	48.0	50.0	49.1
60	814	524	284	165	116	87.8	69.8	59.9	53.1	48.3	44.5	42.1	40.2	38.6	37.8	37.9	38.7	40.5	39.9
65	821	511	266	155	102	73.0	59.6	50.6	44.7	41.1	37.9	35.2	33.2	31.6	30.5	30.3	31.0	32.7	32.4
70	826	501	261	146	91.8	68.0	53.1	44.5	39.4	35.2	32.6	30.2	28.0	26.1	24.2	24.2	24.6	26.4	26.2
75	832	500	260	136	85.3	62.0	47.9	40.6	35.2	31.9	28.9	26.5	22.0	18.3	15.6	17.0	18.9	21.2	20.8
80	847	508	269	134	84.6	58.8	45.5	37.4	32.5	28.8	26.3	20.1	14.4	13.0	12.0	11.0	12.0	17.1	16.2
85	865	519	287	133	86.9	57.7	45.2	36.1	31.6	27.7	24.7	14.1	12.1	11.0	9.85	11.6	10.2	13.8	11.6
90	887	534	309	134	90.3	57.6	45.2	35.6	30.8	27.0	23.6	11.9	10.5	9.12	10.9	12.4	12.2	9.32	7.14

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DENO
 Test Date:2022-05-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	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	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699
5	4815	4778	4743	4712	4684	4658	4627	4592	4559	4520	4471	4424	4363	4297	4228	4146	4068	3974	3886
10	3768	3760	3768	3793	3828	3874	3917	3961	3986	4002	4002	3972	3916	3835	3727	3594	3437	3258	3079
15	2360	2386	2440	2520	2626	2752	2895	3045	3190	3315	3409	3452	3438	3360	3220	3033	2806	2552	2308
20	1239	1261	1312	1392	1509	1663	1848	2065	2296	2505	2698	2850	2934	2932	2833	2647	2387	2090	1789
25	590	603	635	685	760	870	1003	1175	1390	1629	1891	2144	2346	2442	2411	2247	1967	1652	1324
30	298	306	320	343	379	429	502	606	744	938	1175	1439	1715	1909	1955	1827	1548	1232	909
35	168	173	182	196	211	232	264	311	380	476	663	915	1219	1533	1740	1770	1580	1260	884
40	111	113	117	122	130	142	156	176	215	282	389	572	829	1165	1496	1683	1612	1305	891
45	79.3	81.1	82.3	84.9	88.7	94.0	104	118	139	172	233	330	506	804	1214	1566	1644	1356	896
50	61.4	62.0	62.4	63.4	65.5	69.1	74.2	81.8	92.8	109	140	208	349	636	1088	1529	1656	1343	838
55	49.3	49.1	49.3	50.0	51.1	52.8	55.3	59.0	68.3	83.8	111	165	273	531	984	1492	1669	1332	781
60	40.0	39.6	39.8	40.0	40.6	41.4	44.3	48.5	55.7	67.6	88.9	130	220	451	890	1453	1682	1320	732
65	32.2	32.1	31.8	32.0	32.8	34.7	37.1	40.5	45.8	55.2	73.0	107	182	385	805	1407	1690	1317	695
70	25.7	25.3	25.1	26.0	27.5	29.2	31.2	34.6	39.4	47.8	63.0	92.4	157	330	734	1361	1698	1321	670
75	20.2	19.6	20.2	21.5	22.9	24.9	27.2	30.2	34.5	41.7	55.0	80.9	137	289	674	1315	1705	1331	651
80	15.2	15.5	16.4	17.6	19.3	21.3	23.6	26.3	30.2	36.7	48.6	72.0	122	256	609	1226	1626	1279	619
85	11.5	12.1	13.0	14.2	15.9	17.7	19.8	22.4	26.3	32.4	43.5	65.0	110	229	554	1142	1546	1232	595
90	7.70	8.22	9.50	11.0	12.7	14.4	16.3	18.8	22.6	28.7	39.2	59.4	101	208	507	1064	1466	1191	581

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
Temperature:25.3DEG	Humidity:65.0%
Operators:DENO	Test Distance:8.100m [K=1.0000]
Test Date:2022-05-17	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.6500A P:15.60W PF:1.000 Lamp Flux:2779.07x1 lm		
NAME:	TYPE:	SERIAL No.:
DIM.:	SPEC.:	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	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699	4699				
5	3794	3705	3620	3534	3456	3381	3314	3256	3206	3165	3135	3118	3113	3121	3142				
10	2897	2714	2533	2357	2202	2062	1937	1827	1732	1657	1598	1566	1548	1545	1558				
15	2060	1818	1615	1428	1261	1126	1011	913	836	777	736	705	688	681	685				
20	1485	1235	1017	844	706	602	524	466	427	392	364	351	343	341	345				
25	1031	803	635	507	415	352	303	263	239	223	211	203	199	198	200				
30	662	500	386	309	258	216	188	168	153	143	135	130	127	126	127				
35	585	396	274	209	165	143	128	116	107	100	95.3	91.9	89.8	89.0	89.5				
40	553	349	229	168	132	109	93.6	85.3	79.5	75.2	72.1	70.0	68.4	67.6	67.9				
45	514	293	191	138	107	88.3	76.2	68.2	62.7	59.7	57.3	55.8	54.9	54.1	54.1				
50	454	248	158	114	88.3	73.1	63.4	56.9	52.4	49.2	47.1	45.7	44.9	44.3	44.1				
55	393	210	132	94.1	73.0	61.1	53.4	48.3	44.6	41.7	39.4	37.9	36.9	36.3	36.0				
60	347	180	112	78.6	61.4	51.3	45.2	41.3	38.3	35.7	33.4	31.5	30.3	29.6	29.2				
65	312	156	96.9	67.4	51.9	43.3	38.5	35.2	32.6	30.6	28.6	26.6	24.8	24.0	23.6				
70	282	142	86.6	59.6	46.1	38.2	33.5	30.1	27.8	26.0	24.3	22.7	20.9	19.6	19.2				
75	266	131	78.8	53.9	41.3	34.3	29.8	26.7	24.2	22.2	20.5	19.2	18.0	16.5	15.7				
80	250	122	72.7	49.3	37.4	30.8	26.7	23.7	21.2	19.1	17.4	16.1	15.1	14.3	13.1				
85	238	115	68.2	45.8	34.2	28.0	23.8	20.8	18.3	16.2	14.5	13.2	12.2	11.5	11.1				
90	231	110	65.2	43.2	31.6	25.4	21.2	18.1	15.5	13.2	11.3	9.83	8.86	7.98	7.67				

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.266
Temperature:25.3DEG	Humidity:65.0%
Operators:DENO	Test Distance:8.100m [K=1.0000]
Test Date:2022-05-17	Remarks: