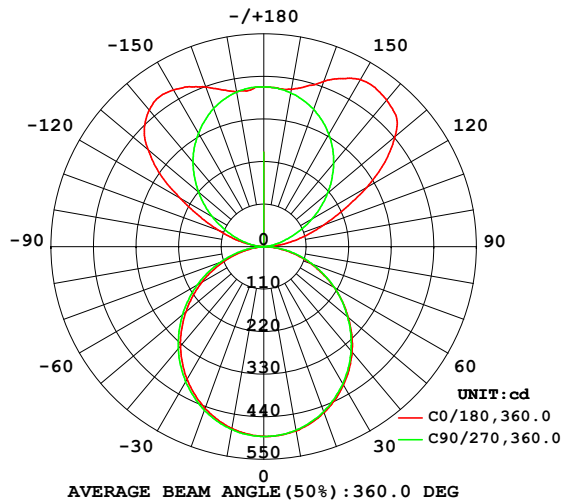


LUMINAIRE PHOTOMETRIC TEST REPORT

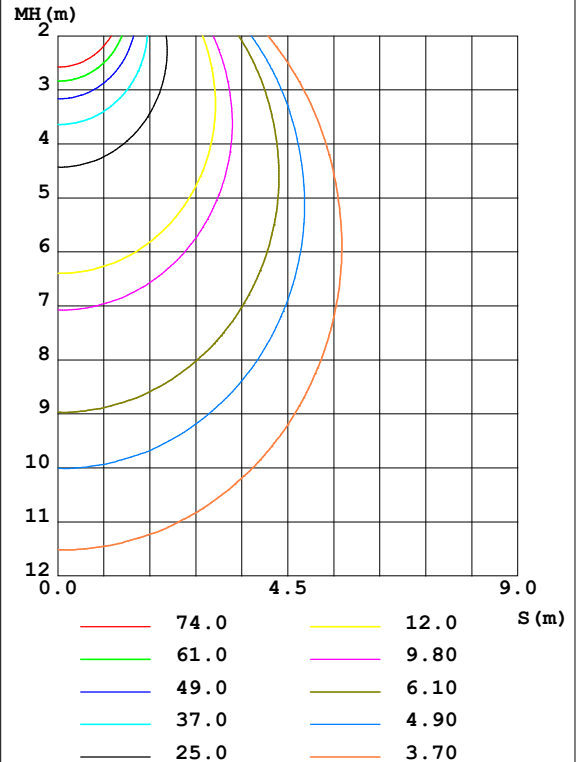
Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.48 lm/W			
MODEL		I _{max} (cd)	502.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)	20W	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2797.3	η UP,DN(C0-180)	25.6,24.6
NOMINAL FLUX(lm)	2797.35	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.4,23.4
LAMPS INSIDE	1	η up(%)	52.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	48.0	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:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

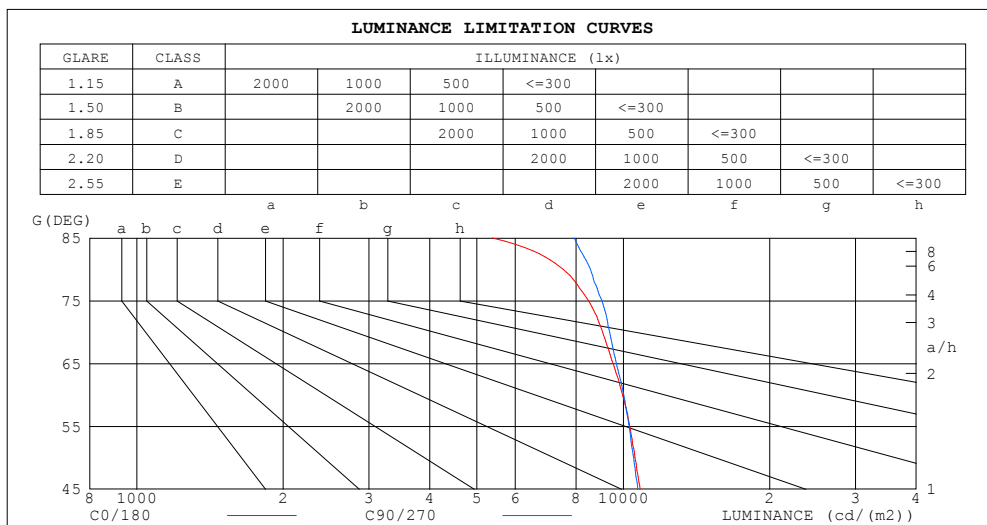
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	483.8	483.1	481.8	481.1	477.0	477.6	479.7	480.2	0- 10	46.34	46.34	1.66,1.66
20	456.4	456.4	453.8	453.0	445.0	445.7	450.1	450.2	10- 20	132.0	178.4	6.38,6.38
30	412.6	413.2	409.2	407.9	396.8	398.2	404.0	403.5	20- 30	198.1	376.5	13.5,13.5
40	355.6	356.0	351.8	349.7	335.5	338.0	343.9	343.8	30- 40	236.0	612.5	21.9,21.9
50	285.2	289.1	283.5	282.8	262.8	267.7	274.8	275.1	40- 50	241.5	854.0	30.5,30.5
60	209.3	214.1	210.4	207.7	185.6	190.4	198.9	197.5	50- 60	214.8	1069	38.2,38.2
70	130.3	135.0	134.7	129.0	106.7	112.4	121.2	118.4	60- 70	160.8	1230	44,44
80	54.90	60.37	62.43	55.17	33.03	39.56	48.07	44.11	70- 80	90.65	1320	47.2,47.2
90	2.788	2.584	1.204	1.611	0.3921	1.898	0.3928	2.844	80- 90	21.35	1342	48,48
100	69.99	64.16	20.47	50.86	38.34	69.24	32.90	82.14	90-100	23.81	1365	48.8,48.8
110	165.6	158.3	73.75	146.7	124.4	171.1	86.55	190.2	100-110	99.93	1465	52.4,52.4
120	307.7	271.6	145.0	255.3	247.8	272.5	152.7	291.8	110-120	190.4	1656	59.2,59.2
130	443.4	361.3	215.3	343.3	390.8	352.1	220.3	371.5	120-130	261.5	1917	68.5,68.5
140	494.5	416.2	281.6	390.8	460.7	390.4	284.8	413.0	130-140	283.9	2201	78.7,78.7
150	498.7	425.4	336.4	405.1	467.7	401.7	338.1	417.9	140-150	252.5	2454	87.7,87.7
160	454.4	412.8	377.7	401.3	439.0	398.6	380.1	406.8	150-160	189.6	2643	94.5,94.5
170	413.2	406.7	403.9	402.3	407.3	402.4	405.9	406.4	160-170	115.1	2758	98.6,98.6
180	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	170-180	39.01	2797	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5384	7919
80	7527	8560
75	8481	9041
70	9071	9374
65	9531	9674
60	9969	10021
55	10315	10277
50	10564	10502
45	10834	10716

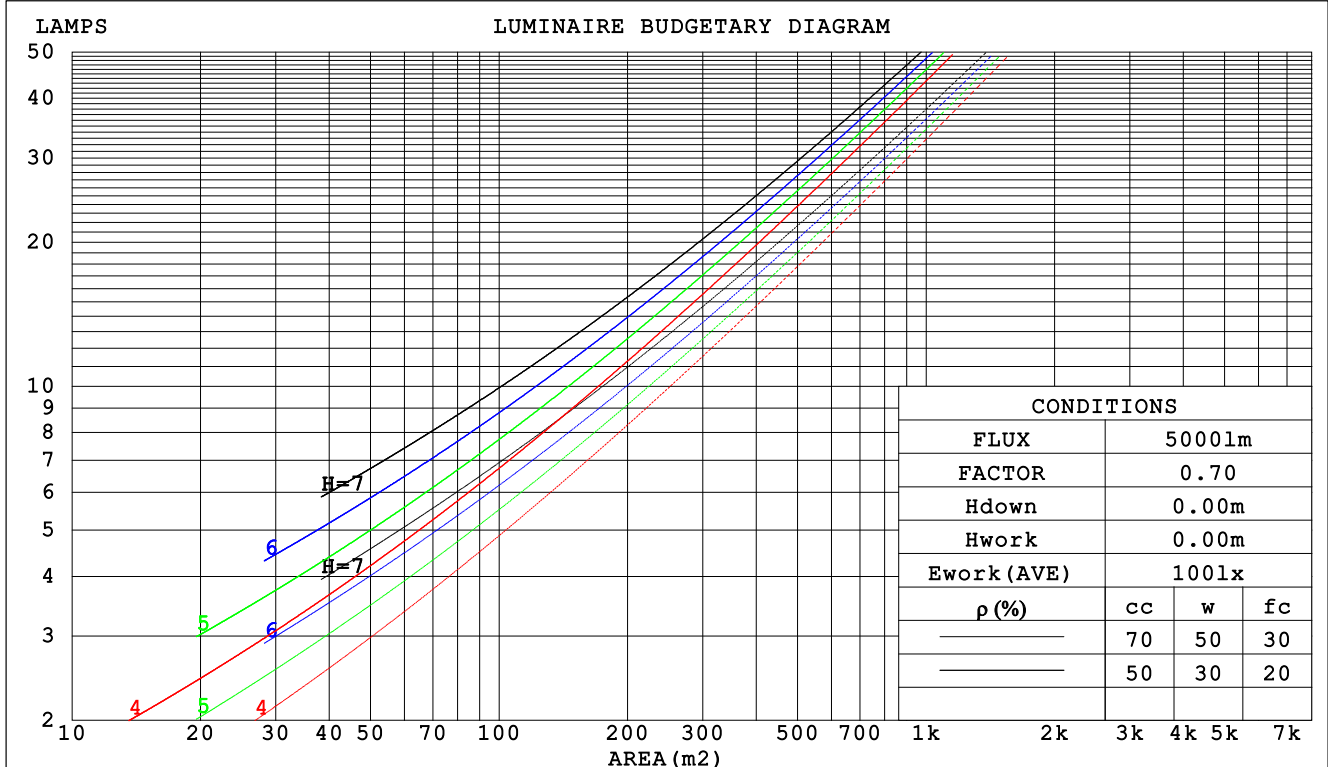
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding 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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.68	.68	.68	.54	.54	.54	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.70	.67	.59	.58	.56	.48	.47	.46	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.52	.49	.47	.42	.40	.38	.34
3.0	.71	.64	.58	.66	.59	.54	.55	.51	.47	.46	.42	.39	.37	.35	.33	.28
4.0	.63	.55	.49	.58	.51	.46	.49	.44	.40	.41	.37	.34	.33	.30	.28	.24
5.0	.56	.48	.42	.52	.45	.39	.44	.38	.34	.37	.32	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.46	.39	.34	.40	.34	.30	.33	.29	.25	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.22	.25	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.27	.23	.20	.23	.19	.17	.15
9.0	.37	.30	.25	.35	.28	.23	.30	.24	.21	.25	.21	.18	.21	.18	.15	.13
10.0	.34	.27	.22	.32	.25	.21	.27	.22	.19	.23	.19	.16	.19	.16	.14	.12



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm					
NAME: 2FT			TYPE:4000K 5.5		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:0.6*0.07		Shielding 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	.280	.159	.050	.257	.147	.047	.214	.123	.039	.175	.101	.032	.139	.081	.026		
2.0	.261	.143	.044	.240	.132	.041	.202	.112	.035	.166	.093	.029	.133	.075	.024		
3.0	.242	.129	.039	.223	.119	.036	.187	.101	.031	.154	.085	.026	.124	.069	.021		
4.0	.224	.116	.034	.206	.108	.032	.174	.092	.028	.143	.077	.023	.115	.063	.019		
5.0	.207	.106	.031	.191	.098	.029	.161	.084	.025	.133	.070	.021	.107	.057	.017		
6.0	.193	.097	.028	.178	.090	.026	.150	.077	.022	.124	.065	.019	.100	.053	.016		
7.0	.180	.089	.025	.166	.083	.024	.141	.071	.020	.116	.060	.017	.094	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.109	.055	.016	.088	.045	.013		
9.0	.158	.076	.021	.146	.071	.020	.124	.061	.017	.103	.052	.015	.083	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.097	.048	.014	.079	.039	.011		

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	.587	.587	.587	.502	.502	.502	.342	.342	.342	.197	.197	.197	.063	.063	.063	
1.0	.578	.556	.537	.495	.477	.462	.338	.328	.319	.195	.190	.186	.062	.061	.060	
2.0	.571	.534	.504	.489	.460	.436	.335	.318	.304	.193	.185	.178	.062	.060	.058	
3.0	.564	.519	.483	.483	.447	.419	.332	.311	.294	.192	.182	.173	.062	.059	.057	
4.0	.557	.507	.469	.478	.438	.407	.329	.305	.287	.190	.179	.170	.061	.058	.056	
5.0	.550	.498	.458	.473	.430	.399	.326	.301	.282	.189	.177	.167	.061	.058	.055	
6.0	.544	.490	.451	.468	.424	.393	.323	.297	.278	.187	.175	.165	.060	.057	.055	
7.0	.538	.484	.446	.463	.419	.389	.320	.294	.275	.186	.173	.164	.060	.057	.054	
8.0	.533	.479	.442	.459	.415	.385	.317	.292	.273	.185	.172	.163	.060	.056	.054	
9.0	.527	.474	.439	.454	.412	.383	.315	.289	.272	.183	.171	.162	.059	.056	.054	
10.0	.522	.471	.436	.450	.409	.381	.312	.288	.270	.182	.170	.161	.059	.056	.054	

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm										
NAME: 2FT					TYPE:4000K 5.5			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:0.6*0.07			Shielding 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	17.7	18.6	18.6	19.5	20.6	17.7	18.6	18.6	19.5	20.6
3H	19.1	19.9	20.0	20.8	22.0	19.1	20.0	20.0	20.9	22.0
4H	19.6	20.4	20.6	21.3	22.5	19.7	20.5	20.6	21.4	22.6
6H	20.0	20.7	20.9	21.6	22.9	20.2	20.9	21.1	21.8	23.0
8H	20.1	20.8	21.0	21.7	22.9	20.3	21.0	21.3	21.9	23.2
12H	20.1	20.8	21.1	21.7	22.9	20.4	21.1	21.4	22.0	23.2
4H 2H	18.1	18.9	19.1	19.8	21.0	18.1	18.9	19.1	19.8	21.0
3H	19.7	20.4	20.7	21.3	22.5	19.7	20.4	20.7	21.3	22.6
4H	20.4	21.0	21.3	21.9	23.2	20.5	21.1	21.4	22.0	23.3
6H	20.8	21.4	21.8	22.3	23.6	21.0	21.5	22.0	22.5	23.8
8H	21.0	21.4	22.0	22.4	23.7	21.2	21.7	22.2	22.7	24.0
12H	21.0	21.5	22.0	22.5	23.8	21.3	21.8	22.4	22.8	24.1
8H 4H	20.5	21.0	21.5	22.0	23.3	20.6	21.1	21.6	22.1	23.4
6H	21.2	21.5	22.2	22.6	23.9	21.3	21.7	22.4	22.7	24.1
8H	21.4	21.7	22.4	22.7	24.1	21.6	21.9	22.6	23.0	24.3
12H	21.5	21.8	22.5	22.8	24.2	21.8	22.1	22.9	23.1	24.5
12H 4H	20.5	20.9	21.5	21.9	23.2	20.6	21.0	21.6	22.0	23.3
6H	21.2	21.5	22.2	22.5	23.9	21.3	21.7	22.4	22.7	24.0
8H	21.4	21.7	22.5	22.7	24.1	21.7	21.9	22.7	23.0	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 2797 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

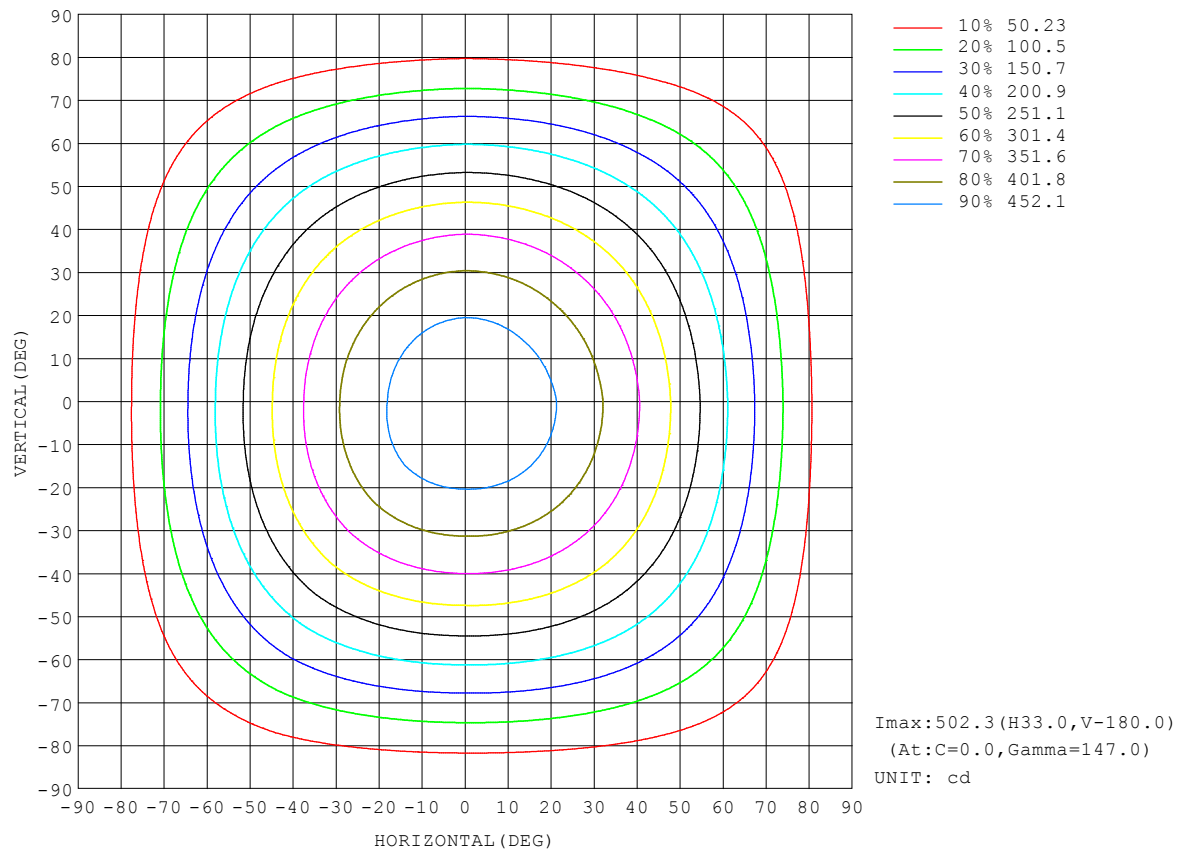
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	36	28	23	16
0.80	53	42	35	50	39	33	44	35	30	20
1.00	61	49	42	57	47	40	49	43	36	24
1.25	68	57	49	63	53	47	54	47	42	28
1.50	73	62	55	68	59	52	58	51	46	30
2.00	80	71	64	74	66	60	63	57	53	34
2.50	84	76	69	78	71	65	66	61	57	36
3.00	88	80	74	81	75	69	69	64	60	38
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	90	85	87	83	79	74	71	68	41
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:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

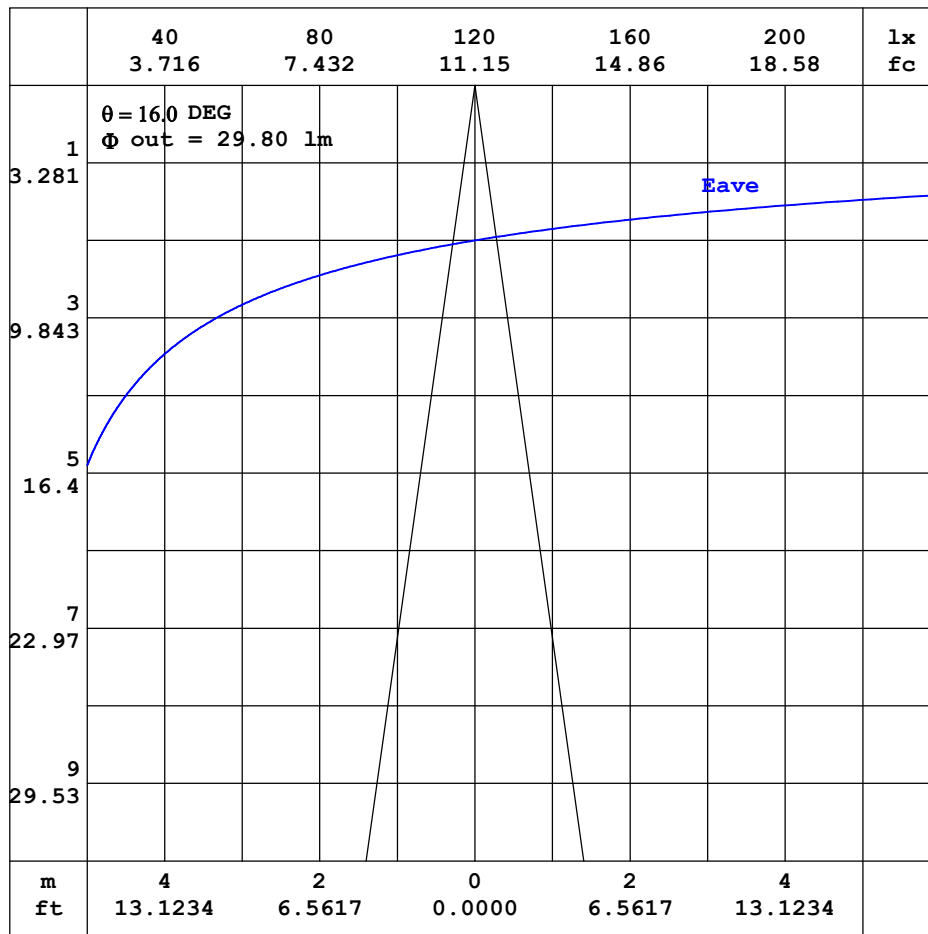


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



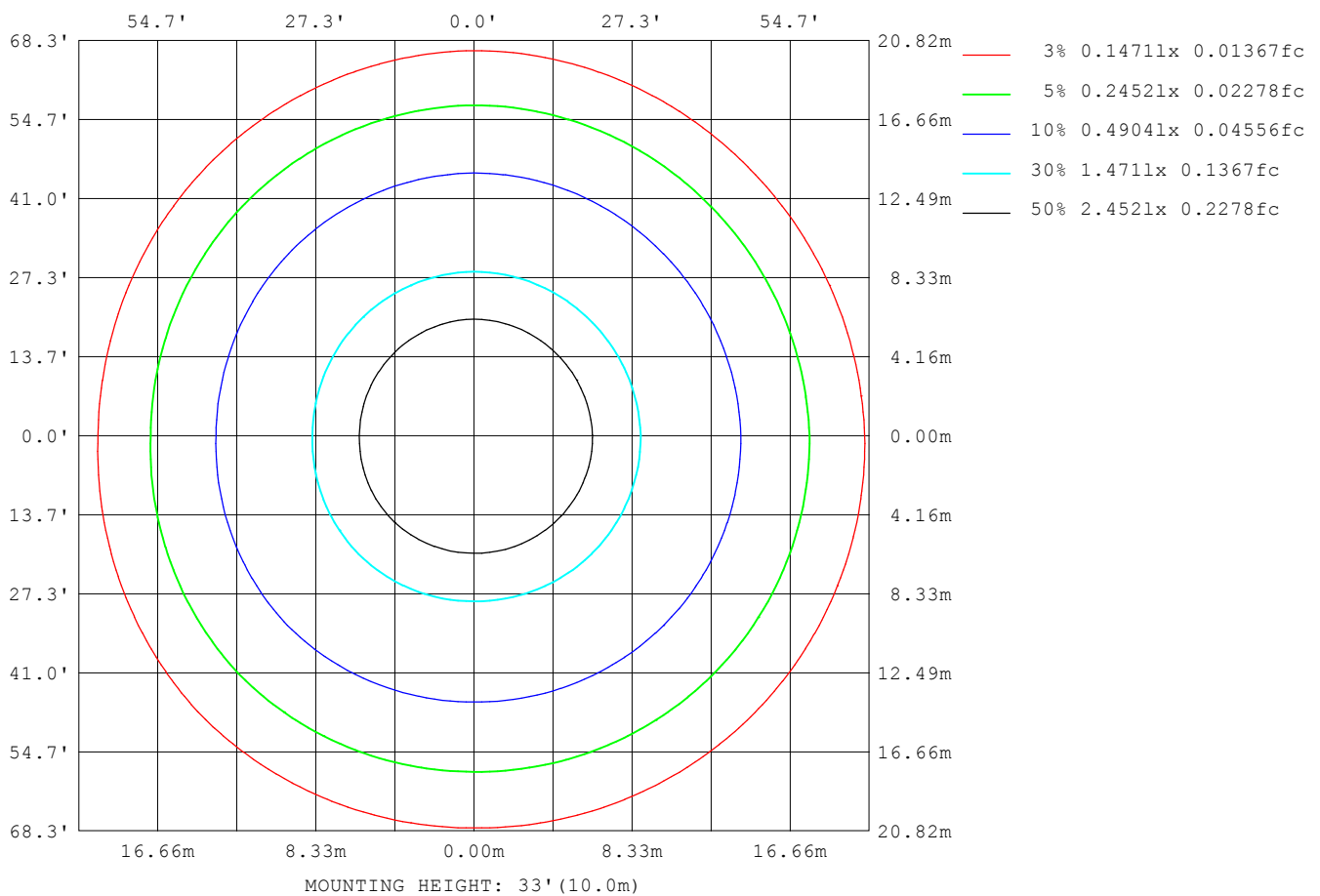
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

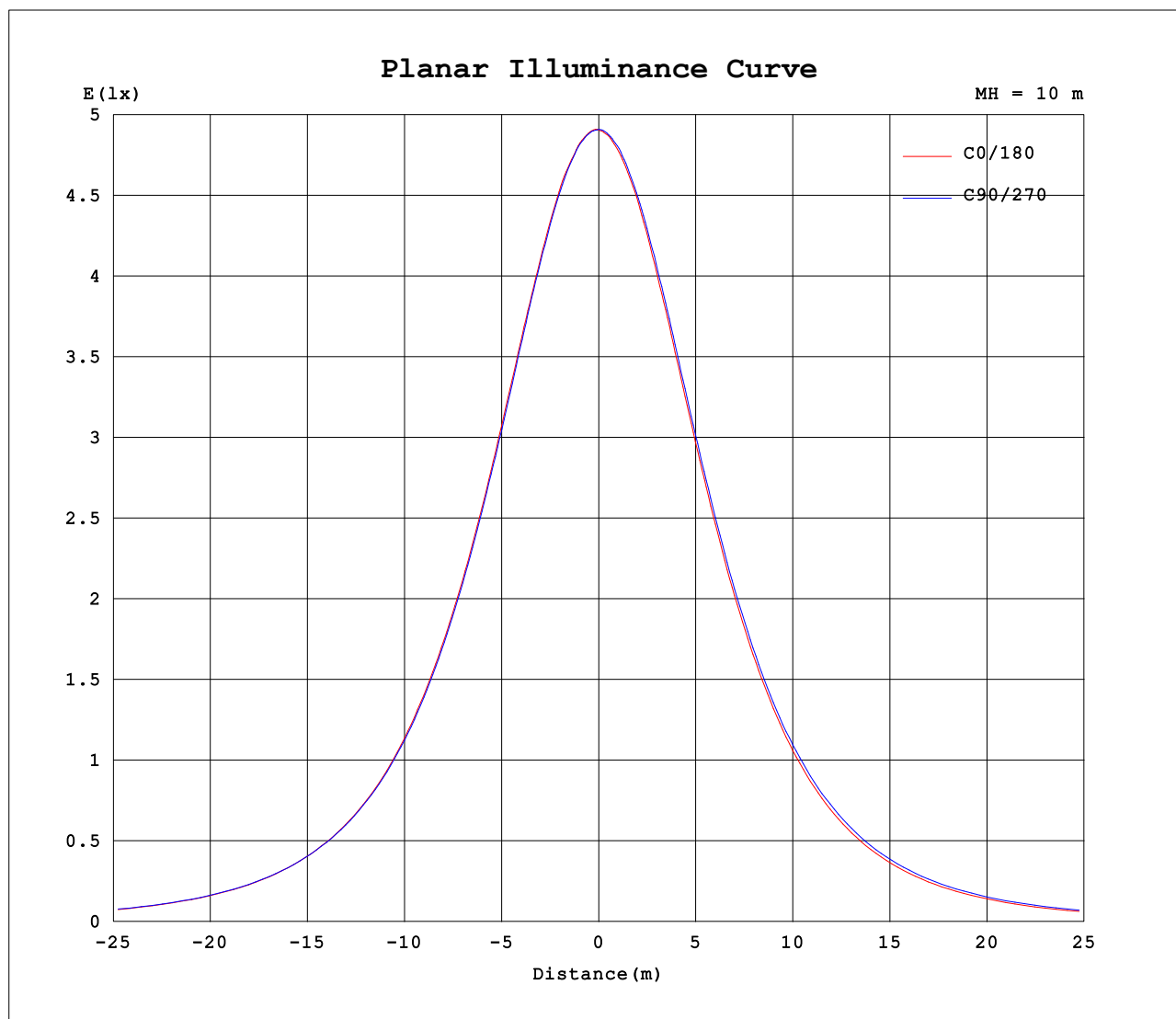
AvgL	cd/m2
L_0~180 (65) av	8877
L_0~180 (75) av	7417
L_0~180 (85) av	3237
L_90~270 (65) av	9366
L_90~270 (75) av	8369
L_90~270 (85) av	5951
L_45 (65) av	9209
L_45 (75) av	7911
L_45 (85) av	4459

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm																		
NAME: 2FT									TYPE:4000K 5.5					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:0.6*0.07					Shielding Angle:				

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	490	490	490	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491
5	490	490	490	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489
10	484	484	484	484	484	483	483	483	483	483	483	483	483	483	482	482	482	482	482
15	472	472	472	472	472	472	472	472	472	472	472	472	471	471	471	470	470	470	470
20	456	457	457	457	457	457	457	457	457	456	456	456	456	455	455	455	454	454	454
25	437	437	437	437	437	437	437	437	437	437	436	436	435	435	435	434	434	433	433
30	413	413	413	413	413	413	413	413	413	413	413	412	412	412	411	411	410	410	409
35	386	386	386	386	386	386	386	386	386	386	385	385	384	384	384	383	383	382	382
40	356	356	356	356	356	356	356	356	356	356	356	355	355	354	354	353	353	352	352
45	322	322	323	323	324	324	324	324	324	324	323	323	322	322	321	320	320	319	318
50	285	286	287	288	288	289	289	289	289	289	289	288	288	287	286	286	285	284	284
55	248	249	250	251	251	252	252	253	253	253	252	252	251	251	250	249	249	248	248
60	209	210	211	212	212	213	213	214	214	214	214	214	213	213	213	212	212	211	210
65	169	170	171	172	173	174	174	175	175	175	175	175	175	174	174	173	173	172	172
70	130	131	132	132	133	134	134	134	135	135	135	135	135	135	135	135	135	135	135
75	92.2	92.9	93.6	94.3	94.9	95.5	96.0	96.4	96.8	97.2	97.6	97.9	98.2	98.4	98.5	98.6	98.6	98.5	98.3
80	54.9	55.7	56.4	57.1	57.8	58.4	58.9	59.5	59.9	60.4	60.9	61.3	61.7	62.1	62.3	62.5	62.6	62.6	62.4
85	19.7	20.5	21.3	22.0	22.7	23.4	24.1	24.7	25.2	25.8	26.4	27.0	27.5	28.0	28.4	28.7	28.9	29.0	29.0
90	2.79	2.82	2.84	2.85	2.84	2.82	2.78	2.73	2.66	2.58	2.43	2.27	2.11	1.94	1.77	1.61	1.46	1.32	1.20
95	26.6	26.6	26.5	26.3	25.9	25.3	24.6	23.8	22.8	21.6	19.7	17.6	15.5	13.4	11.4	9.37	7.53	5.87	4.45
100	70.0	71.2	72.0	72.3	72.1	71.4	70.3	68.7	66.7	64.2	59.1	53.8	48.3	42.8	37.4	32.3	27.7	23.7	20.5
105	114	115	116	116	116	115	113	111	108	105	97.5	90.0	82.3	74.7	67.3	60.4	54.2	48.9	44.7
110	166	169	171	172	172	171	169	167	163	158	148	138	127	116	106	96.0	87.2	79.7	73.8
115	229	233	235	237	237	235	233	229	225	219	206	192	178	164	150	137	126	116	109
120	308	308	307	306	303	299	294	287	280	272	256	240	223	207	191	177	164	153	145
125	383	379	375	369	363	356	348	339	329	318	300	282	264	246	229	214	200	189	180
130	443	437	431	423	415	406	396	385	374	361	342	322	303	284	266	250	236	224	215
135	482	476	468	460	451	442	431	420	408	396	377	357	337	319	301	285	270	258	249
140	494	489	482	475	467	458	449	438	428	416	399	381	363	345	329	314	301	290	282
145	502	495	488	480	472	463	454	444	434	424	409	394	378	364	350	338	327	318	311
150	499	491	484	476	468	460	452	443	434	425	413	401	389	377	367	357	349	342	336
155	480	473	466	460	453	446	439	433	426	419	410	402	394	386	379	372	367	362	359
160	454	449	445	440	435	431	426	422	417	413	408	403	398	393	389	385	382	380	378
165	430	427	424	421	419	416	414	411	409	407	405	403	401	399	397	396	394	393	392
170	413	412	411	411	410	409	408	408	407	407	406	406	405	405	405	405	404	404	404
175	412	412	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411	411
180	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding 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	491	491	491	491	491	491	491	490	490	490	490	490	490	490	490	490	490	490	490
5	489	489	489	489	489	489	489	489	489	489	489	488	488	487	487	487	486	486	486
10	482	482	482	482	482	482	481	481	481	481	480	480	479	479	478	478	477	477	477
15	470	470	470	470	470	470	470	470	469	469	468	467	467	466	465	464	464	463	463
20	454	454	454	454	454	454	453	453	453	452	451	450	449	448	447	447	446	445	445
25	433	433	433	433	433	433	433	433	432	431	430	429	428	427	425	424	423	422	422
30	409	409	409	409	409	409	409	408	408	407	406	404	403	402	400	399	398	397	396
35	382	382	382	382	381	381	381	381	380	379	377	376	374	373	371	370	369	367	367
40	352	352	352	351	351	351	351	350	350	348	347	345	343	341	340	338	337	336	335
45	318	318	319	319	319	319	318	318	317	316	314	312	309	307	305	303	301	300	300
50	284	284	284	284	284	284	284	283	283	281	278	276	274	271	269	267	265	263	263
55	248	248	248	248	248	248	248	247	246	244	242	239	237	234	231	229	227	225	225
60	210	210	210	210	210	210	209	209	208	205	203	200	197	195	192	190	188	186	185
65	172	172	172	172	171	171	170	170	169	166	164	161	158	155	153	150	148	146	146
70	134	134	134	133	133	132	131	130	129	127	124	121	118	116	113	111	109	107	106
75	98.1	97.7	97.3	96.7	96.0	95.1	94.1	92.9	91.5	88.9	86.3	83.6	80.8	78.1	75.5	73.1	71.0	69.1	68.8
80	62.2	61.8	61.3	60.7	59.9	59.0	57.9	56.6	55.2	52.6	50.0	47.3	44.6	41.9	39.4	37.0	34.9	33.0	32.8
85	28.7	28.2	27.6	26.9	26.1	25.1	24.0	22.8	21.4	19.4	17.3	15.2	13.1	11.0	9.03	7.17	5.48	3.99	3.59
90	1.22	1.26	1.31	1.37	1.43	1.49	1.54	1.58	1.61	1.48	1.33	1.17	1.01	0.86	0.71	0.58	0.47	0.39	0.53
95	4.58	4.94	5.49	6.17	6.95	7.76	8.57	9.33	9.99	9.06	8.04	6.99	5.98	5.06	4.30	3.76	3.49	3.56	6.24
100	22.3	24.9	28.1	31.8	35.7	39.7	43.7	47.5	50.9	50.0	48.7	47.2	45.5	43.7	42.0	40.4	39.2	38.3	41.7
105	48.0	52.3	57.6	63.4	69.7	76.1	82.5	88.5	94.0	93.5	92.3	90.6	88.6	86.5	84.3	82.3	80.6	79.3	83.3
110	78.7	85.2	93.0	102	111	120	130	139	147	146	144	142	139	136	132	129	127	124	130
115	115	124	134	146	158	171	183	195	206	206	204	201	198	194	191	187	183	180	186
120	152	162	173	186	200	214	228	242	255	258	259	258	258	256	254	252	250	248	252
125	188	198	210	224	239	255	272	288	303	310	315	319	322	325	326	327	328	328	330
130	222	233	245	259	275	292	309	327	343	353	361	368	375	380	384	387	390	391	391
135	256	265	277	290	305	322	338	355	372	383	394	403	412	419	426	431	434	436	435
140	287	295	305	317	330	345	360	375	391	402	413	423	433	441	448	454	458	461	458
145	315	321	329	339	350	362	375	388	401	412	423	433	443	451	459	465	469	472	469
150	339	344	350	357	366	375	385	395	405	415	424	433	441	448	455	461	465	468	464
155	361	363	367	372	378	384	391	398	405	412	420	427	434	440	445	450	454	456	453
160	378	379	381	384	386	390	393	397	401	406	412	417	422	426	431	434	437	439	437
165	392	392	393	393	394	395	396	398	400	402	405	408	410	413	415	417	419	420	419
170	404	403	403	403	402	402	402	402	402	403	403	404	405	405	406	406	407	407	407
175	411	411	410	410	409	409	409	408	408	408	407	407	407	407	407	406	406	407	407
180	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm		
NAME: 2FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding 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	490	490	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491
5	486	486	486	486	486	486	487	487	487	487	487	487	487	487	488	488	488	488	488
10	477	477	477	477	477	477	477	478	478	478	478	479	479	479	479	480	480	480	480
15	463	463	463	463	463	463	463	464	464	464	465	465	465	466	466	466	467	467	467
20	445	445	445	445	445	445	445	446	446	447	447	448	448	449	449	450	450	450	450
25	422	422	422	422	423	423	423	424	424	425	425	426	426	427	427	428	428	428	428
30	396	396	396	397	397	397	398	398	399	399	400	401	402	402	403	403	404	404	404
35	367	367	367	367	368	368	369	369	370	371	371	372	373	373	374	374	375	375	375
40	335	335	335	336	336	337	337	338	339	339	340	341	341	342	343	343	344	344	344
45	300	300	300	301	302	303	303	304	305	306	307	307	308	309	309	310	311	311	311
50	263	263	263	264	265	266	267	268	269	269	270	271	272	273	273	274	275	275	275
55	224	225	225	226	227	227	229	230	230	231	232	233	234	235	235	236	237	237	237
60	185	185	186	186	187	188	189	190	191	192	194	195	196	197	197	198	199	199	199
65	146	146	146	147	148	149	150	152	153	154	155	156	157	158	159	160	161	161	160
70	106	107	107	108	109	110	111	112	113	115	116	117	118	119	120	121	121	121	121
75	68.9	69.3	69.9	70.7	71.6	72.8	74.0	75.3	76.3	77.4	78.5	79.6	80.6	81.5	82.3	83.1	83.7	83.4	82.9
80	32.9	33.3	34.0	34.8	35.8	37.0	38.2	39.6	40.7	41.8	42.9	44.0	45.0	45.9	46.7	47.5	48.1	47.7	47.3
85	3.41	3.45	3.67	4.06	4.59	5.24	6.00	6.84	7.75	8.70	9.67	10.6	11.6	12.4	13.3	14.0	14.6	14.3	14.0
90	0.69	0.87	1.07	1.26	1.45	1.62	1.77	1.90	1.75	1.58	1.39	1.19	0.99	0.80	0.63	0.49	0.39	0.59	0.82
95	9.21	12.4	15.6	18.8	21.9	24.8	27.4	29.5	28.0	26.0	23.8	21.5	19.0	16.7	14.6	12.8	11.5	14.2	17.3
100	45.4	49.3	53.3	57.2	60.9	64.3	67.1	69.2	65.7	61.6	57.1	52.3	47.6	43.1	39.0	35.5	32.9	36.8	41.6
105	87.8	92.4	97.1	102	106	110	112	114	109	102	95.0	87.7	80.5	73.6	67.5	62.3	58.4	64.1	71.1
110	136	142	149	155	160	165	169	171	162	152	142	131	120	110	100	92.5	86.5	94.6	104
115	192	198	205	211	216	220	224	225	214	201	187	174	160	147	136	126	119	128	140
120	257	261	265	269	272	273	274	272	259	244	229	213	198	184	171	161	153	162	175
125	331	332	332	332	330	327	323	317	301	285	267	250	234	219	206	195	187	196	209
130	390	388	385	380	375	368	361	352	335	318	300	283	266	251	238	228	220	230	242
135	431	427	421	414	406	397	387	376	359	342	325	309	294	281	269	260	253	262	274
140	453	448	440	432	423	413	402	390	375	360	346	332	319	307	298	290	285	293	303
145	464	457	449	441	431	421	410	398	386	373	361	350	340	331	323	317	313	319	327
150	460	454	446	439	430	421	411	402	392	382	373	365	357	350	345	341	338	343	348
155	449	444	438	431	424	417	409	401	395	388	382	377	372	368	364	362	360	363	366
160	433	429	425	420	415	409	404	399	395	392	389	386	384	382	381	380	380	381	383
165	417	415	413	410	408	405	402	400	399	398	397	396	395	395	395	395	395	395	396
170	406	406	405	405	404	403	403	402	403	403	403	404	404	405	405	405	406	406	406
175	408	408	409	410	410	411	412	412	413	413	413	413	413	413	413	412	412	412	412
180	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2797.35x1 lm																	
NAME: 2FT									TYPE:4000K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:0.6*0.07						Shielding 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	491	491	491	491	491	490	490	490	490	490	490	490	490	490	490				
5	488	488	488	488	488	488	488	488	488	488	488	488	488	489	489	489			
10	480	480	480	480	480	480	480	480	481	481	481	482	482	483	483				
15	467	467	467	467	467	467	467	468	468	468	469	470	470	471	472				
20	450	450	450	450	450	450	450	451	451	452	452	453	454	454	455				
25	428	428	428	428	428	428	429	429	430	431	431	432	433	434	436				
30	404	404	403	403	403	403	404	404	405	405	406	407	408	410	411				
35	375	375	375	375	375	375	375	376	377	378	379	380	381	383	384				
40	344	344	343	343	343	344	344	345	345	346	348	349	350	352	354				
45	310	310	310	310	310	311	311	312	312	313	314	316	317	318	320				
50	275	275	275	275	275	275	275	276	276	277	278	280	281	282	284				
55	237	237	237	237	237	237	237	238	239	240	241	242	244	245	247				
60	198	198	198	198	198	197	198	198	199	200	201	202	204	206	207				
65	160	160	159	159	158	158	158	159	159	160	161	163	164	166	167				
70	120	120	119	119	119	119	118	119	120	121	122	123	125	126	128				
75	82.4	81.9	81.4	80.9	80.5	80.2	80.1	80.6	81.4	82.4	83.5	84.9	86.4	88.1	90.1				
80	46.8	46.2	45.7	45.1	44.7	44.3	44.1	44.6	45.2	46.1	47.1	48.3	49.7	51.2	53.0				
85	13.6	13.1	12.7	12.2	11.8	11.5	11.3	11.6	12.1	12.8	13.6	14.5	15.6	16.8	18.2				
90	1.09	1.38	1.68	1.99	2.29	2.58	2.84	2.96	3.05	3.10	3.13	3.12	3.09	3.02	2.92				
95	20.7	24.3	28.1	31.8	35.3	38.5	41.3	41.9	41.9	41.3	40.3	38.6	36.4	33.7	30.4				
100	47.1	53.0	59.1	65.3	71.3	77.0	82.1	83.8	84.7	84.9	84.3	83.0	80.9	78.0	74.4				
105	79.1	87.7	96.8	106	115	123	131	134	135	135	134	133	130	126	120				
110	116	128	141	154	167	179	190	194	196	196	195	192	188	182	175				
115	154	169	185	201	217	232	246	251	254	256	256	254	250	245	238				
120	189	205	223	240	258	275	292	300	306	311	314	316	316	315	312				
125	224	241	259	278	298	317	335	346	355	362	369	374	378	381	383				
130	257	274	293	312	332	352	371	383	394	404	413	421	428	434	439				
135	288	304	322	341	360	379	398	411	422	433	443	453	461	469	476				
140	315	330	345	362	379	396	413	424	435	445	455	464	473	480	488				
145	337	349	361	375	389	403	418	428	438	448	458	467	476	485	494				
150	356	364	374	384	395	406	418	427	436	445	454	463	472	481	490				
155	370	375	381	388	395	402	410	417	424	431	439	446	454	463	471				
160	385	388	391	394	398	402	407	411	416	420	425	431	436	442	448				
165	396	397	398	399	400	402	404	406	408	410	413	416	419	422	426				
170	406	406	406	406	406	406	406	407	407	408	409	409	410	411	412				
175	412	412	411	411	411	411	411	411	411	411	411	411	411	411	412				
180	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412				

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: