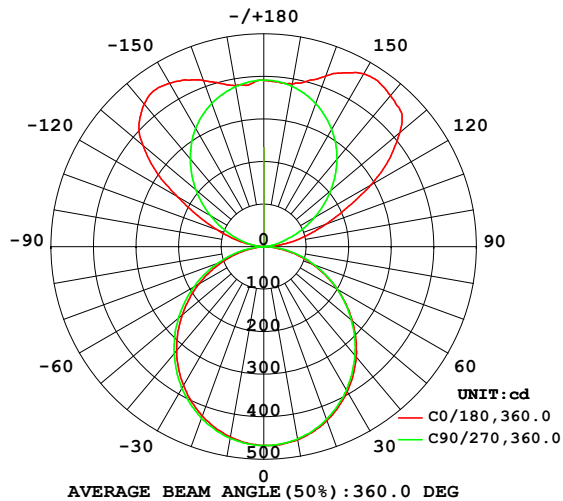


LUMINAIRE PHOTOMETRIC TEST REPORT

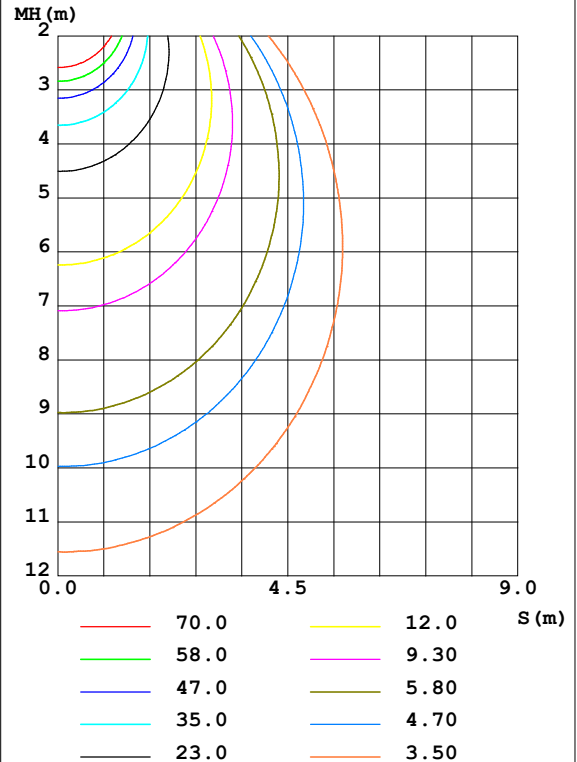
Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.21 lm/W			
MODEL		I _{max} (cd)	473.1	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)	2650.4	η UP,DN(C0-180)	25.5,24.6
NOMINAL FLUX(lm)	2650.43	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.3,23.5
LAMPS INSIDE	1	η up(%)	51.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	48.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

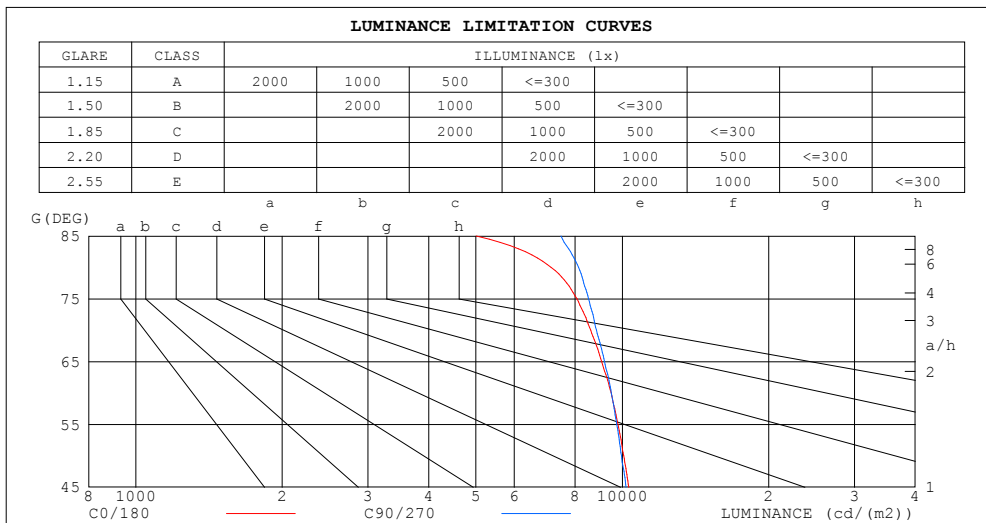
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	460.5	460.0	458.9	458.2	454.2	455.0	457.5	456.6	0- 10	44.15	44.15	1.67,1.67
20	434.7	434.6	431.7	430.6	423.4	424.8	429.0	428.4	10- 20	125.8	169.9	6.41,6.41
30	392.7	392.7	389.2	388.1	377.3	379.2	385.2	384.5	20- 30	188.7	358.6	13.5,13.5
40	337.9	338.4	333.6	332.5	319.1	322.0	328.0	328.2	30- 40	224.7	583.2	22,22
50	271.8	275.1	268.8	268.8	250.6	255.7	262.1	262.7	40- 50	229.8	813.1	30.7,30.7
60	199.1	203.4	199.4	197.3	176.4	181.6	189.8	188.5	50- 60	204.4	1017	38.4,38.4
70	123.8	128.1	127.1	122.2	101.6	107.2	115.7	113.2	60- 70	152.9	1170	44.2,44.2
80	52.09	57.42	59.33	52.07	31.41	37.23	45.87	42.17	70- 80	86.11	1256	47.4,47.4
90	2.662	2.737	0.9996	1.507	0.3752	1.242	0.3011	2.689	80- 90	20.19	1277	48.2,48.2
100	66.19	61.52	19.33	48.36	35.68	64.82	30.57	77.40	90-100	22.40	1299	49,49
110	155.5	146.5	72.07	139.7	116.7	162.6	81.72	180.2	100-110	94.22	1393	52.6,52.6
120	291.2	250.3	137.7	243.9	232.9	258.4	143.8	275.1	110-120	179.8	1573	59.4,59.4
130	417.5	334.5	205.6	327.7	370.6	334.4	208.5	350.2	120-130	246.5	1820	68.7,68.7
140	463.3	391.8	267.7	372.3	437.1	370.4	268.6	388.6	130-140	268.3	2088	78.8,78.8
150	469.5	400.2	318.9	384.6	443.6	379.2	320.6	391.2	140-150	238.6	2326	87.8,87.8
160	426.9	387.8	357.9	380.2	415.8	374.8	358.3	380.1	150-160	178.8	2505	94.5,94.5
170	388.4	383.3	383.1	380.4	384.3	377.4	382.0	381.9	160-170	108.4	2614	98.6,98.6
180	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	170-180	36.79	2650	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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



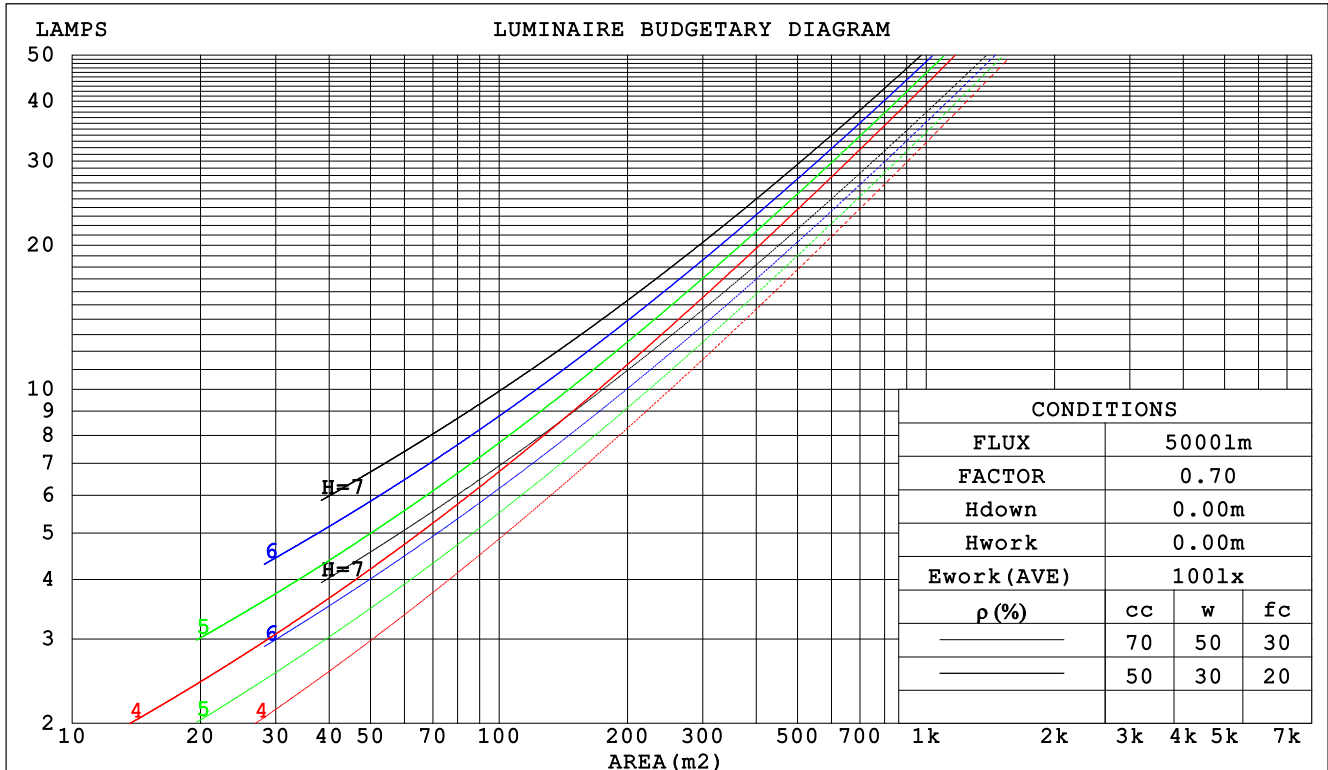
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.0V I:0.1710A P:20.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 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	.68	.60	.58	.56	.48	.47	.46	.40
2.0	.81	.75	.70	.75	.70	.65	.63	.59	.56	.52	.49	.47	.42	.40	.39	.34
3.0	.71	.64	.58	.66	.59	.54	.56	.51	.47	.46	.43	.40	.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	.33	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.47	.39	.34	.40	.34	.30	.33	.29	.26	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.23	.25	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.28	.23	.20	.23	.19	.17	.15
9.0	.37	.30	.25	.35	.28	.23	.30	.25	.21	.25	.21	.18	.21	.18	.15	.13
10.0	.34	.27	.22	.32	.25	.21	.28	.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:2650.43x1 lm					
NAME: 2FT			TYPE:3000K 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	.215	.123	.039	.176	.101	.033	.140	.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	.102	.031	.155	.085	.026	.124	.069	.021		
4.0	.224	.116	.034	.206	.108	.032	.174	.092	.028	.144	.077	.023	.116	.063	.019		
5.0	.207	.106	.031	.192	.098	.029	.162	.084	.025	.134	.071	.021	.108	.058	.017		
6.0	.193	.097	.028	.178	.090	.026	.151	.077	.022	.125	.065	.019	.101	.053	.016		
7.0	.180	.089	.025	.166	.083	.024	.141	.071	.020	.117	.060	.017	.094	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.110	.056	.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	.040	.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	.585	.585	.585	.500	.500	.500	.341	.341	.341	.196	.196	.196	.063	.063	.063	
1.0	.576	.555	.535	.493	.476	.460	.337	.327	.318	.194	.189	.185	.062	.061	.060	
2.0	.569	.533	.503	.487	.459	.434	.334	.317	.303	.193	.185	.178	.062	.060	.058	
3.0	.562	.517	.481	.482	.446	.417	.331	.310	.293	.191	.181	.173	.061	.059	.057	
4.0	.555	.505	.467	.476	.437	.406	.328	.304	.286	.190	.178	.169	.061	.058	.056	
5.0	.549	.496	.457	.471	.429	.397	.325	.300	.281	.188	.176	.166	.061	.057	.055	
6.0	.543	.488	.450	.466	.423	.391	.322	.296	.277	.187	.174	.165	.060	.057	.054	
7.0	.537	.482	.444	.462	.418	.387	.319	.293	.274	.185	.173	.163	.060	.057	.054	
8.0	.531	.477	.440	.457	.414	.384	.316	.291	.272	.184	.171	.162	.060	.056	.054	
9.0	.526	.473	.437	.453	.410	.381	.314	.288	.271	.183	.170	.161	.059	.056	.053	
10.0	.521	.469	.435	.449	.407	.379	.311	.287	.269	.182	.169	.161	.059	.056	.053	

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:2650.43x1 lm										
NAME: 2FT					TYPE:3000K 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	17.5	18.5	18.4	19.3	20.5	17.5	18.4	18.4	19.3	20.4
	18.9	19.8	19.8	20.7	21.8	19.0	19.8	19.9	20.7	21.8
	19.5	20.2	20.4	21.2	22.3	19.5	20.3	20.5	21.2	22.4
	19.8	20.6	20.8	21.5	22.7	20.0	20.7	20.9	21.6	22.8
	19.9	20.6	20.9	21.6	22.8	20.1	20.8	21.1	21.8	23.0
	19.9	20.6	20.9	21.5	22.8	20.2	20.9	21.2	21.8	23.0
4H	2H	18.0	18.8	18.9	19.7	20.9	18.0	18.7	18.9	19.7
	3H	19.5	20.2	20.5	21.1	22.4	19.6	20.2	20.5	21.2
	4H	20.2	20.8	21.2	21.8	23.0	20.3	20.9	21.3	21.8
	6H	20.7	21.2	21.7	22.2	23.5	20.8	21.4	21.8	22.3
	8H	20.8	21.3	21.8	22.3	23.6	21.0	21.5	22.0	22.5
	12H	20.9	21.3	21.9	22.3	23.6	21.2	21.6	22.2	22.6
8H	4H	20.4	20.8	21.4	21.8	23.1	20.4	20.9	21.4	21.9
	6H	21.0	21.4	22.0	22.4	23.7	21.2	21.5	22.2	22.5
	8H	21.2	21.5	22.2	22.6	23.9	21.4	21.8	22.5	22.8
	12H	21.3	21.6	22.3	22.6	24.0	21.6	21.9	22.7	23.0
12H	4H	20.3	20.8	21.3	21.8	23.1	20.4	20.8	21.4	21.8
	6H	21.0	21.3	22.0	22.4	23.7	21.2	21.5	22.2	22.5
	8H	21.3	21.5	22.3	22.6	23.9	21.5	21.8	22.5	22.8
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 2650 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

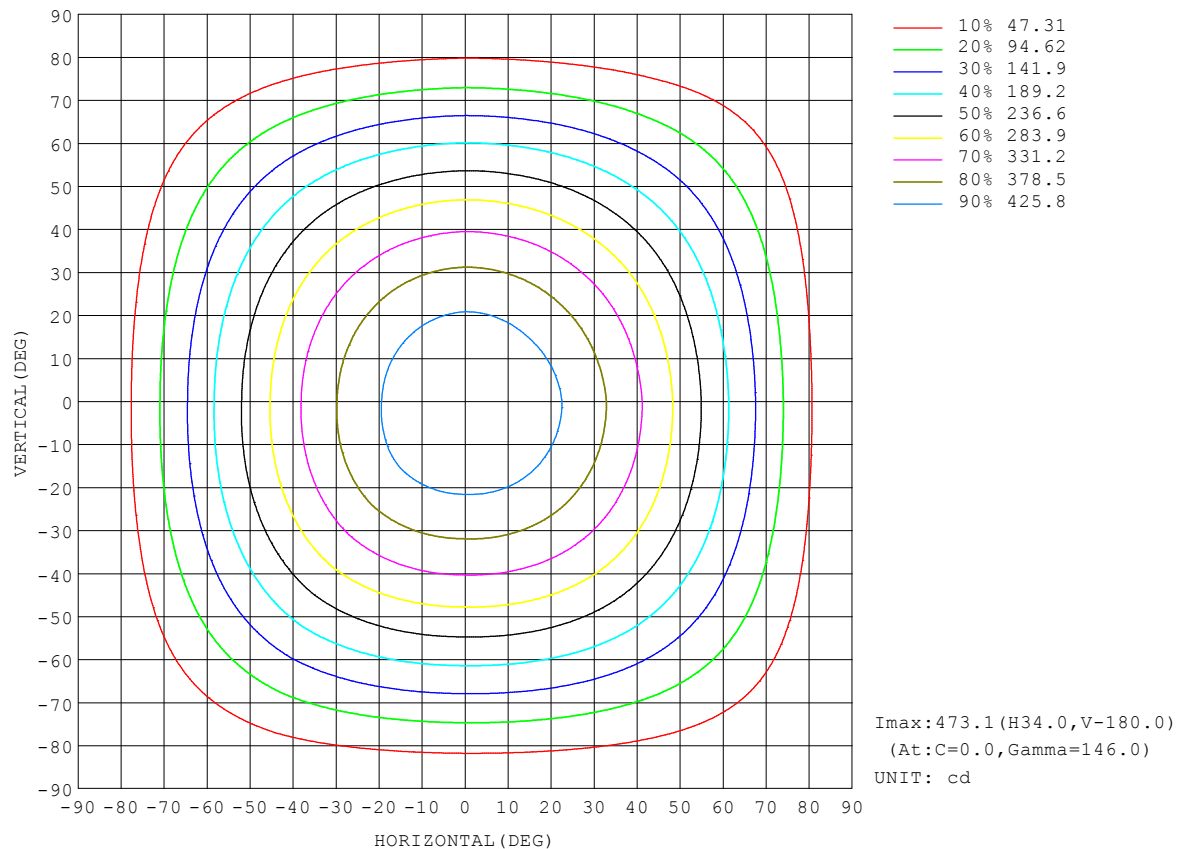
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	37	28	24	16
0.80	53	42	35	50	39	33	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	70	69	64	60	38
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	90	85	88	83	79	74	71	68	42
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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

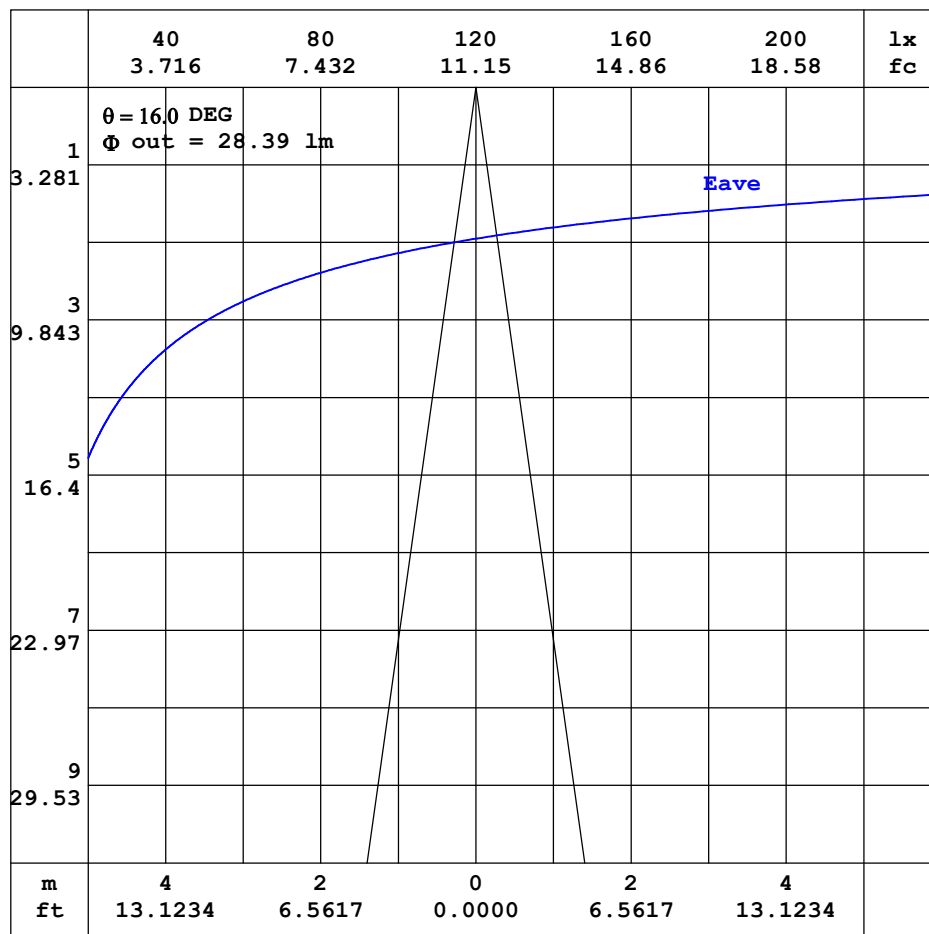


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



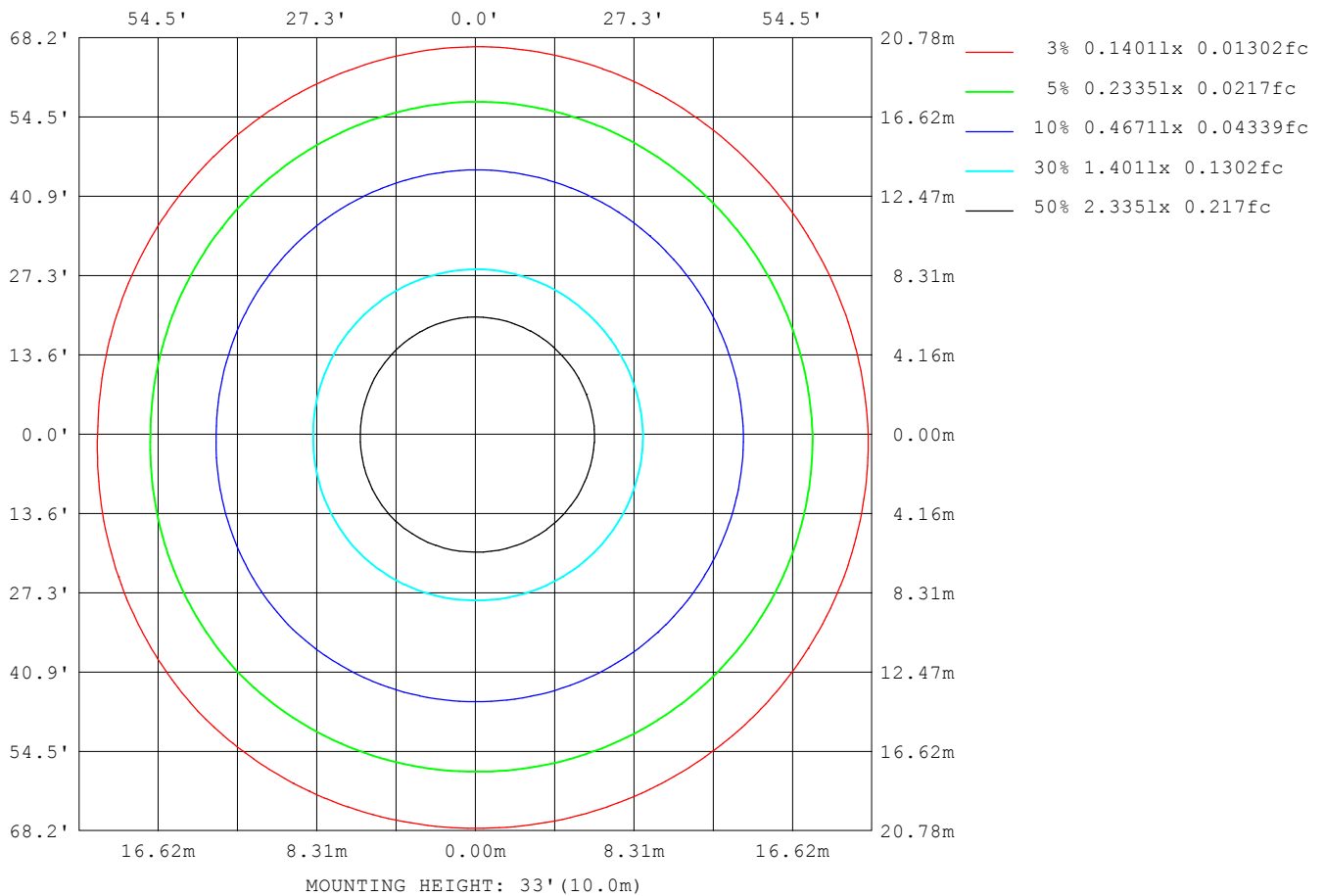
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

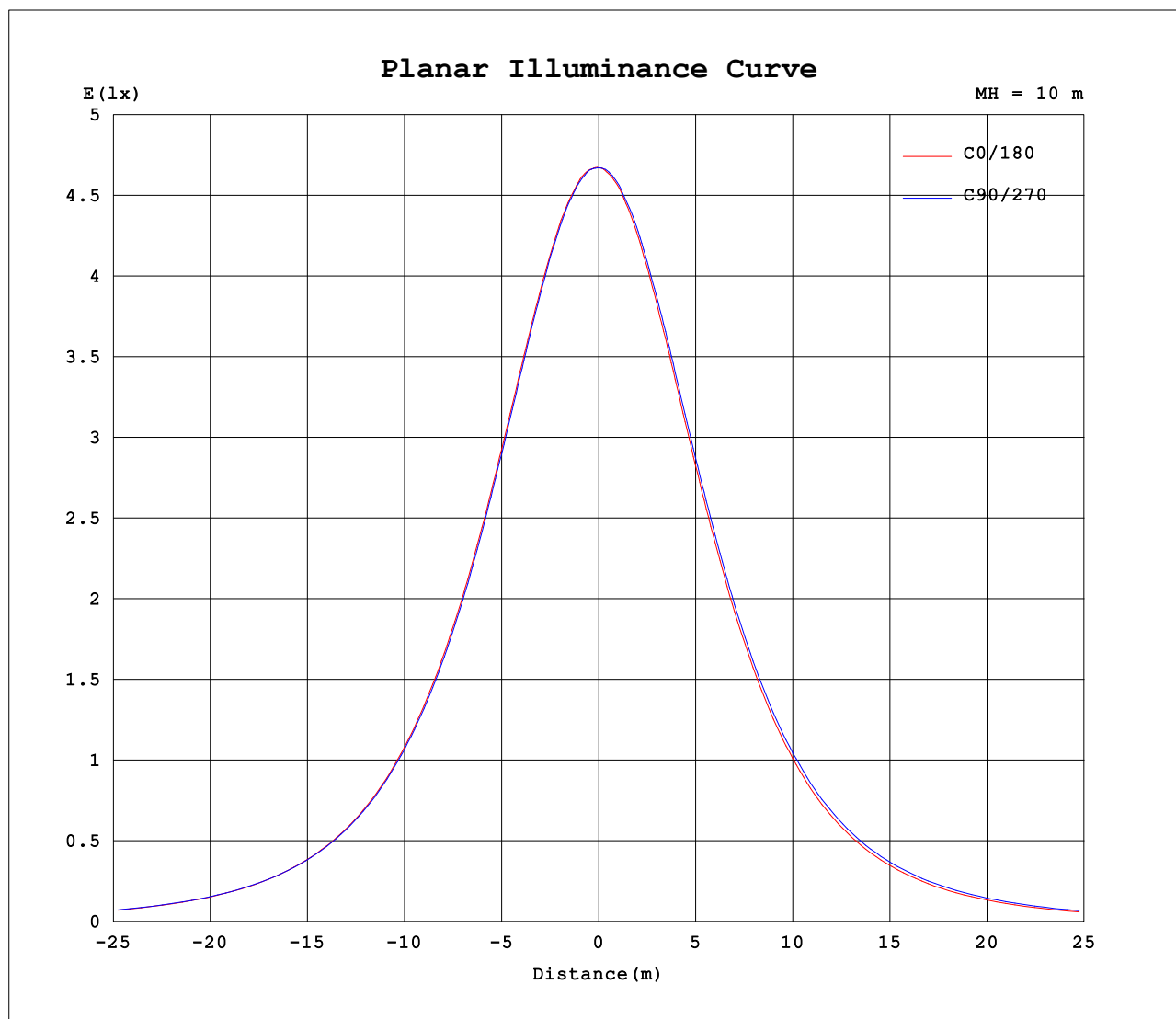
AvgL	cd/m2
L_0~180 (65) av	8431
L_0~180 (75) av	7053
L_0~180 (85) av	3023
L_90~270 (65) av	8920
L_90~270 (75) av	7935
L_90~270 (85) av	5641
L_45 (65) av	8760
L_45 (75) av	7509
L_45 (85) av	4199

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding 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	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467
5	467	467	467	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466
10	460	460	460	460	460	460	460	460	460	460	460	460	460	460	459	459	459	459	459
15	450	450	450	450	450	450	450	450	450	449	449	449	449	449	448	448	448	448	448
20	435	435	435	435	435	435	435	435	435	435	434	434	434	433	433	433	432	432	432
25	416	416	416	416	416	416	416	416	416	416	415	415	414	414	413	413	412	412	412
30	393	393	393	393	393	393	393	393	393	393	392	392	392	391	391	390	390	390	389
35	367	367	368	368	368	368	368	368	368	368	367	367	366	366	365	364	364	363	363
40	338	338	339	339	339	339	339	339	339	338	338	337	337	336	336	335	335	334	334
45	306	307	307	307	308	308	308	308	308	308	307	307	306	305	305	304	303	303	302
50	272	273	273	274	274	275	275	275	275	275	275	274	273	273	272	271	270	269	269
55	236	237	238	238	239	239	240	240	240	240	239	239	238	238	237	237	236	235	235
60	199	200	201	201	202	203	203	203	203	203	203	203	202	202	202	201	200	200	199
65	161	162	163	164	164	165	166	166	166	166	166	166	166	166	165	165	164	164	163
70	124	125	125	126	126	127	127	128	128	128	128	128	128	128	128	128	128	127	127
75	87.7	88.4	89.0	89.6	90.2	90.7	91.1	91.5	91.9	92.2	92.5	92.7	92.9	93.0	93.1	93.1	93.0	92.9	92.7
80	52.1	52.9	53.6	54.2	54.9	55.5	56.0	56.5	57.0	57.4	57.9	58.3	58.7	59.0	59.3	59.4	59.5	59.5	59.3
85	18.3	19.2	20.0	20.8	21.5	22.2	22.9	23.5	24.0	24.5	25.1	25.7	26.2	26.6	27.0	27.2	27.4	27.4	27.4
90	2.66	2.76	2.84	2.89	2.92	2.93	2.91	2.88	2.82	2.74	2.56	2.36	2.16	1.95	1.74	1.53	1.33	1.16	1.00
95	25.5	25.5	25.4	25.2	24.8	24.3	23.6	22.8	21.8	20.7	18.9	16.9	14.9	12.9	10.9	9.04	7.28	5.69	4.33
100	66.2	67.5	68.4	68.8	68.7	68.2	67.2	65.8	63.9	61.5	56.7	51.6	46.3	40.9	35.8	30.8	26.4	22.5	19.3
105	107	108	109	109	109	108	106	104	101	97.9	91.3	84.3	77.1	70.0	63.1	56.7	50.9	46.0	42.1
110	156	158	159	160	160	159	157	154	151	146	138	128	119	109	99.9	91.3	83.6	77.1	72.1
115	215	218	220	221	220	219	216	213	208	202	191	178	166	153	141	129	119	111	104
120	291	290	288	286	282	277	272	266	258	250	236	221	206	192	178	165	154	145	138
125	361	356	351	344	338	330	322	313	303	293	277	261	244	229	214	201	189	179	172
130	418	411	403	395	386	377	367	357	346	335	317	299	282	265	250	235	223	213	206
135	454	447	439	431	422	413	403	392	381	369	352	334	316	299	283	269	256	245	238
140	463	458	452	445	438	430	421	412	402	392	375	359	342	326	311	298	285	275	268
145	472	465	458	451	443	435	426	417	408	398	384	370	356	343	331	319	309	301	295
150	470	462	455	448	440	432	425	417	408	400	389	378	367	356	346	338	330	324	319
155	451	444	438	431	425	418	412	406	399	393	385	378	370	363	357	351	346	342	340
160	427	422	417	413	408	404	400	396	392	388	383	379	375	371	367	364	362	359	358
165	404	401	399	396	394	392	389	387	386	384	382	380	379	377	376	375	374	373	372
170	388	388	387	386	386	385	384	384	384	383	383	383	383	383	383	383	383	383	383
175	389	388	388	388	388	388	387	387	387	387	388	388	388	389	389	389	389	390	390
180	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 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	467	467	467	467	468	468	468	468	468	468	468	468	467	467	467	467	467	467	467
5	466	466	466	466	465	465	465	465	465	465	465	465	464	464	464	464	464	463	463
10	459	459	459	459	459	459	459	458	458	458	457	457	456	456	455	455	455	454	454
15	448	448	448	448	447	447	447	447	447	446	446	445	444	444	443	442	442	441	441
20	432	432	432	431	431	431	431	431	431	430	429	428	427	426	426	425	424	423	423
25	412	412	412	412	412	412	412	412	411	410	409	408	407	406	405	404	403	402	402
30	389	389	389	389	389	389	389	388	388	387	386	384	383	382	381	379	378	377	377
35	363	363	363	363	362	362	362	362	362	360	359	358	356	355	353	352	351	349	349
40	334	334	334	334	334	333	333	333	333	331	330	328	326	325	323	322	320	319	319
45	302	302	303	303	303	303	303	302	302	300	298	297	295	293	291	289	288	286	286
50	269	269	269	269	270	270	270	269	269	267	265	263	260	258	256	254	252	251	250
55	235	235	235	235	235	235	235	234	234	232	229	227	225	222	220	218	216	214	213
60	199	199	199	199	199	199	199	198	197	195	193	190	188	185	183	180	178	176	176
65	163	163	163	163	163	162	162	161	160	158	155	153	150	147	145	142	140	138	138
70	127	127	126	126	126	125	124	123	122	120	118	115	112	110	108	105	103	102	101
75	92.5	92.2	91.8	91.3	90.6	89.8	88.9	87.8	86.6	84.2	81.7	79.2	76.6	74.1	71.7	69.4	67.4	65.6	65.4
80	59.1	58.7	58.1	57.5	56.7	55.8	54.7	53.5	52.1	49.7	47.2	44.7	42.2	39.7	37.3	35.1	33.1	31.4	31.2
85	27.1	26.6	26.0	25.4	24.5	23.6	22.6	21.4	20.1	18.3	16.3	14.3	12.4	10.4	8.55	6.79	5.20	3.79	3.35
90	1.02	1.06	1.11	1.18	1.25	1.33	1.40	1.46	1.51	1.40	1.27	1.13	0.99	0.85	0.71	0.58	0.47	0.38	0.44
95	4.44	4.77	5.28	5.92	6.64	7.40	8.16	8.87	9.49	8.61	7.64	6.65	5.69	4.82	4.09	3.56	3.29	3.34	5.81
100	21.1	23.6	26.7	30.2	33.9	37.7	41.5	45.1	48.4	47.5	46.2	44.6	42.9	41.1	39.4	37.8	36.6	35.7	38.8
105	45.3	49.5	54.6	60.2	66.2	72.4	78.4	84.1	89.3	88.7	87.5	85.8	83.8	81.6	79.4	77.4	75.6	74.3	78.1
110	76.8	83.0	90.3	98.4	107	116	124	132	140	139	137	134	131	128	125	121	119	117	122
115	111	119	130	141	152	164	176	187	197	197	195	192	188	184	180	176	173	170	175
120	145	154	165	178	191	205	219	232	244	246	246	246	244	242	240	238	235	233	237
125	180	189	201	215	229	244	259	275	289	295	300	303	306	308	310	310	310	310	312
130	213	223	235	249	264	279	296	312	328	336	344	351	357	361	365	368	370	371	371
135	244	253	264	277	291	306	322	338	354	365	374	383	391	398	404	409	412	414	412
140	273	281	290	302	315	329	343	358	372	383	393	403	411	419	426	431	435	437	434
145	299	305	313	322	333	345	357	369	382	392	402	412	421	429	436	442	446	449	445
150	322	326	332	339	347	356	365	375	385	394	402	411	419	426	432	437	441	444	440
155	341	344	348	353	358	364	370	377	384	391	398	405	411	417	422	427	430	432	429
160	359	360	361	364	366	369	373	376	380	385	390	395	400	404	408	411	414	416	413
165	372	372	372	373	373	374	375	377	378	380	383	386	388	391	393	395	396	397	396
170	383	382	382	382	381	381	381	381	380	381	381	382	382	383	383	384	384	384	384
175	389	389	388	388	387	387	386	385	385	384	384	384	383	383	383	383	383	383	383
180	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390

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:2650.43x1 lm		
NAME: 2FT	TYPE:3000K 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	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467
5	463	463	463	463	463	463	463	463	463	464	464	464	464	464	465	465	465	465	465
10	454	454	454	454	454	455	455	455	455	456	456	456	456	457	457	457	457	457	457
15	441	441	441	441	441	442	442	442	443	443	443	444	444	444	445	445	445	445	445
20	423	423	423	423	424	424	424	425	425	426	426	427	427	428	428	429	429	429	429
25	402	402	402	402	403	403	403	404	404	405	405	406	407	407	408	408	408	408	408
30	377	377	377	377	378	378	379	379	380	381	381	382	383	383	384	385	385	385	385
35	349	349	349	350	350	351	351	352	352	353	354	354	355	356	356	357	357	357	357
40	319	319	319	320	320	321	321	322	323	323	324	325	326	326	327	327	328	328	328
45	286	286	286	287	287	288	289	290	291	291	292	293	294	294	295	296	296	296	296
50	250	251	251	252	253	254	255	256	256	257	258	259	260	260	261	262	262	262	262
55	214	214	214	215	216	217	218	219	220	221	222	223	223	224	225	226	226	226	226
60	176	176	177	178	178	179	180	182	183	184	185	186	187	188	188	189	190	190	190
65	138	138	139	140	141	142	143	144	146	147	148	149	150	151	152	153	153	153	153
70	101	102	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	116	115
75	65.4	65.7	66.3	67.0	67.9	69.0	70.1	71.3	72.4	73.5	74.6	75.6	76.6	77.6	78.4	79.2	79.8	79.6	79.2
80	31.2	31.6	32.1	32.9	33.8	34.9	36.0	37.2	38.3	39.4	40.5	41.6	42.7	43.6	44.5	45.2	45.9	45.6	45.2
85	3.13	3.10	3.25	3.55	4.00	4.57	5.24	6.01	6.91	7.86	8.84	9.81	10.8	11.7	12.5	13.3	13.9	13.7	13.4
90	0.53	0.63	0.74	0.85	0.97	1.07	1.17	1.24	1.13	1.01	0.88	0.74	0.61	0.50	0.40	0.34	0.30	0.51	0.75
95	8.56	11.5	14.5	17.5	20.3	23.0	25.4	27.3	25.9	24.1	22.0	19.7	17.5	15.3	13.3	11.7	10.5	13.0	16.0
100	42.2	45.9	49.7	53.4	57.0	60.1	62.8	64.8	61.5	57.6	53.3	48.8	44.4	40.1	36.3	33.0	30.6	34.3	38.9
105	82.3	86.7	91.2	95.5	99.5	103	106	108	102	96.1	89.5	82.6	75.8	69.4	63.6	58.7	55.0	60.4	67.1
110	128	134	140	146	152	156	160	163	154	145	135	124	114	104	95.0	87.4	81.7	89.3	98.8
115	181	187	193	199	205	209	212	214	203	191	178	165	152	139	128	119	112	121	132
120	242	246	250	254	257	259	259	258	246	231	217	202	187	174	162	151	144	153	164
125	314	314	315	314	312	310	306	301	286	270	253	237	222	207	195	184	176	185	197
130	370	368	365	361	356	350	343	334	318	302	285	268	253	238	226	216	208	217	229
135	409	405	400	393	385	377	367	357	341	325	309	294	279	266	255	246	240	248	259
140	430	425	418	410	401	392	381	370	356	342	328	314	302	291	281	274	269	276	285
145	440	434	426	418	408	398	388	377	365	354	342	331	322	313	306	300	296	302	309
150	435	429	423	415	406	398	388	379	370	361	353	345	338	332	327	323	321	324	329
155	425	420	414	407	400	392	385	378	372	366	360	356	351	348	345	342	341	343	346
160	410	406	401	396	391	385	380	375	371	369	366	364	362	360	359	359	358	359	360
165	394	392	389	386	383	380	378	375	374	373	372	372	371	371	371	371	371	372	372
170	383	382	381	380	380	379	378	377	378	378	378	379	380	380	381	381	382	382	382
175	384	385	385	386	387	388	388	389	389	389	389	389	389	389	389	389	389	389	389
180	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390

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:2650.43x1 lm																	
NAME: 2FT									TYPE:3000K 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	467	467	468	468	468	468	468	468	468	468	468	467	467	467	467				
5	465	465	465	465	465	465	465	465	465	465	465	466	466	466	466				
10	457	457	457	457	457	457	457	457	457	457	458	458	459	459	460				
15	445	445	445	445	445	445	445	445	446	446	447	447	448	449	449				
20	429	429	428	428	428	428	428	429	429	430	430	431	432	433	434				
25	408	408	408	408	408	408	408	409	409	410	411	412	413	414	415				
30	385	385	385	385	384	384	385	385	386	386	387	388	389	390	391				
35	357	357	357	357	357	358	358	358	359	360	361	362	363	364	365				
40	328	328	328	328	328	328	328	329	330	330	331	332	334	335	336				
45	296	296	296	296	296	296	296	297	298	299	299	301	302	303	305				
50	262	262	262	262	262	262	263	263	264	265	266	267	268	269	270				
55	226	226	226	226	226	226	226	227	227	228	229	230	232	233	234				
60	189	189	189	189	188	188	188	189	190	191	192	193	194	196	197				
65	153	152	152	151	151	151	151	151	152	153	154	155	156	158	159				
70	115	114	114	114	113	113	113	114	114	115	116	117	119	120	122				
75	78.7	78.2	77.7	77.3	76.9	76.6	76.5	77.0	77.7	78.6	79.6	80.9	82.3	83.9	85.7				
80	44.7	44.2	43.7	43.2	42.7	42.4	42.2	42.6	43.2	44.0	44.9	46.0	47.3	48.7	50.3				
85	13.0	12.6	12.1	11.7	11.3	11.0	10.8	11.1	11.5	12.1	12.8	13.7	14.6	15.7	17.0				
90	1.01	1.29	1.58	1.88	2.17	2.44	2.69	2.81	2.89	2.95	2.98	2.97	2.94	2.88	2.78				
95	19.2	22.7	26.3	29.8	33.2	36.3	39.0	39.5	39.6	39.1	38.1	36.6	34.6	32.1	29.0				
100	44.0	49.6	55.5	61.4	67.1	72.5	77.4	79.0	79.9	80.1	79.6	78.3	76.4	73.7	70.3				
105	74.6	82.8	91.4	100.0	108	116	124	126	127	127	127	125	122	118	113				
110	110	121	134	146	158	170	180	184	185	186	184	182	177	172	164				
115	145	159	175	190	205	219	233	238	241	242	242	240	236	231	224				
120	178	193	210	226	243	260	275	283	289	293	297	298	299	298	295				
125	211	227	244	262	280	298	315	325	333	341	347	352	356	359	361				
130	243	259	276	294	313	332	350	361	372	381	389	397	403	409	414				
135	272	287	304	322	340	358	376	387	398	408	418	426	434	441	448				
140	297	310	325	340	356	373	389	399	409	419	427	436	443	451	457				
145	318	329	340	353	366	379	393	402	412	421	430	439	447	456	464				
150	336	343	352	361	371	381	391	400	408	416	425	434	443	451	460				
155	349	353	358	364	370	376	383	390	396	403	410	418	425	434	442				
160	362	364	367	369	373	376	380	384	388	393	398	403	408	414	420				
165	372	373	374	375	376	377	378	380	382	385	387	390	393	396	400				
170	382	382	382	382	382	382	382	382	383	383	384	385	386	386	387				
175	388	388	388	387	387	387	387	387	387	387	387	387	388	388	388				
180	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390				

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: