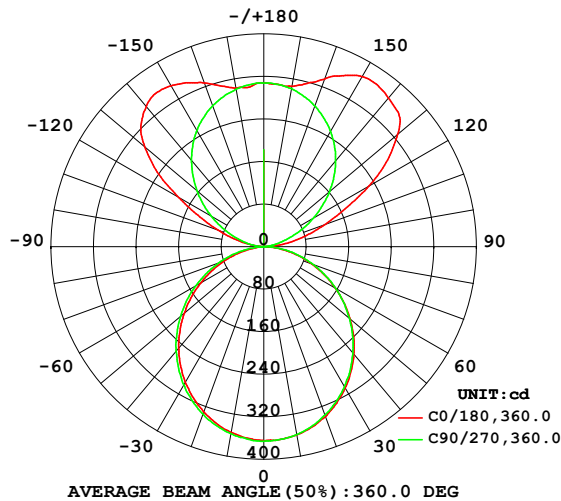


## LUMINAIRE PHOTOMETRIC TEST REPORT

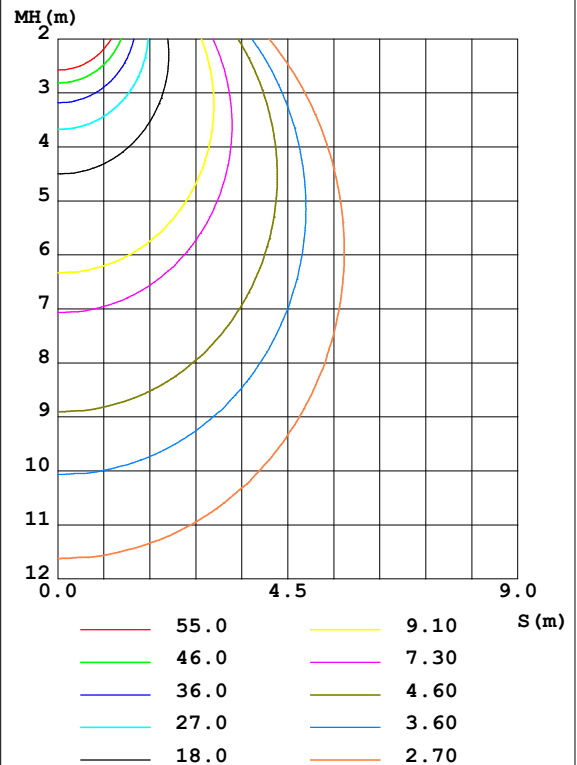
Test:U:119.0V I:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.56 lm/W			
MODEL		I <sub>max</sub> (cd)	372.2	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2078.7	η UP,DN(C0-180)	25.6,24.5
NOMINAL FLUX(lm)	2078.72	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:

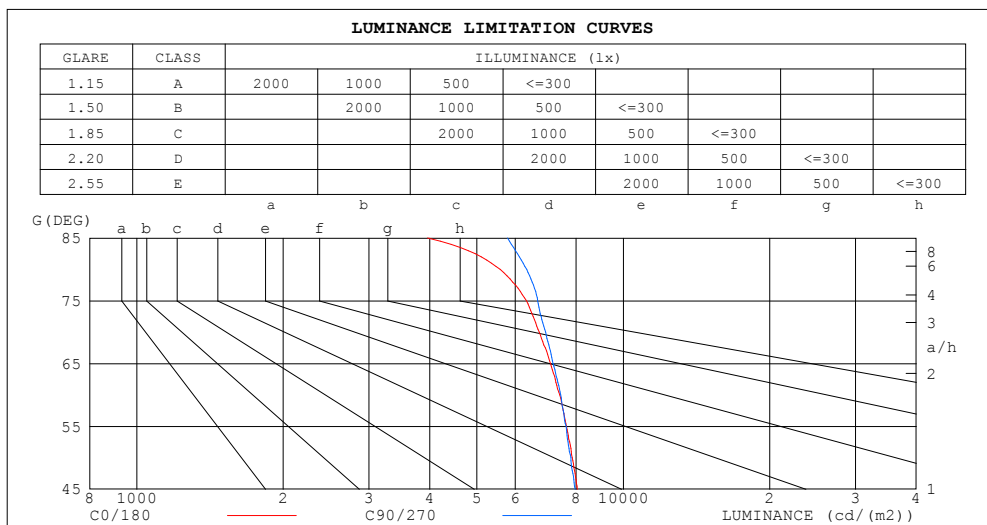
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	359.4	359.6	359.1	358.5	354.5	355.5	357.0	357.1	0- 10	34.48	34.48	1.66,1.66
20	340.1	339.6	336.9	337.2	330.6	331.5	335.2	335.1	10- 20	98.24	132.7	6.38,6.38
30	306.7	306.8	303.6	303.4	295.0	296.1	300.6	300.7	20- 30	147.4	280.1	13.5,13.5
40	263.6	264.3	260.7	260.1	249.1	251.2	256.5	256.3	30- 40	175.5	455.6	21.9,21.9
50	212.0	214.8	210.6	210.0	195.2	199.4	204.5	205.3	40- 50	179.6	635.2	30.6,30.6
60	155.5	159.1	156.2	154.4	136.8	141.8	148.1	147.1	50- 60	159.6	794.8	38.2,38.2
70	96.50	100.2	99.42	95.59	79.14	83.82	90.40	88.44	60- 70	119.2	914.0	44,44
80	40.73	44.81	46.15	40.78	24.53	29.34	35.88	32.93	70- 80	67.34	981.4	47.2,47.2
90	1.996	1.981	0.6887	1.130	0.2783	1.433	0.2185	2.038	80- 90	15.80	997.2	48,48
100	51.86	47.26	15.09	38.03	28.17	51.56	24.20	60.96	90-100	17.59	1015	48.8,48.8
110	122.7	116.2	55.25	109.9	92.09	127.2	64.52	141.2	100-110	74.05	1089	52.4,52.4
120	228.8	198.2	108.1	191.8	183.8	203.7	113.3	216.3	110-120	141.6	1230	59.2,59.2
130	328.9	265.2	161.8	257.8	292.2	263.4	164.2	275.6	120-130	194.2	1425	68.5,68.5
140	364.8	308.6	210.4	292.3	344.0	291.5	211.6	306.0	130-140	211.3	1636	78.7,78.7
150	369.5	314.6	251.0	302.7	349.4	298.7	252.0	308.3	140-150	187.8	1824	87.7,87.7
160	335.9	305.3	281.4	299.5	327.5	294.9	281.7	299.5	150-160	140.7	1964	94.5,94.5
170	306.1	301.3	301.8	299.3	302.6	297.0	300.9	300.2	160-170	85.32	2050	98.6,98.6
180	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	170-180	28.97	2079	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:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 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	3958	5781
80	5584	6328
75	6322	6672
70	6718	6921
65	7086	7167
60	7407	7436
55	7642	7625
50	7854	7802
45	8052	7956

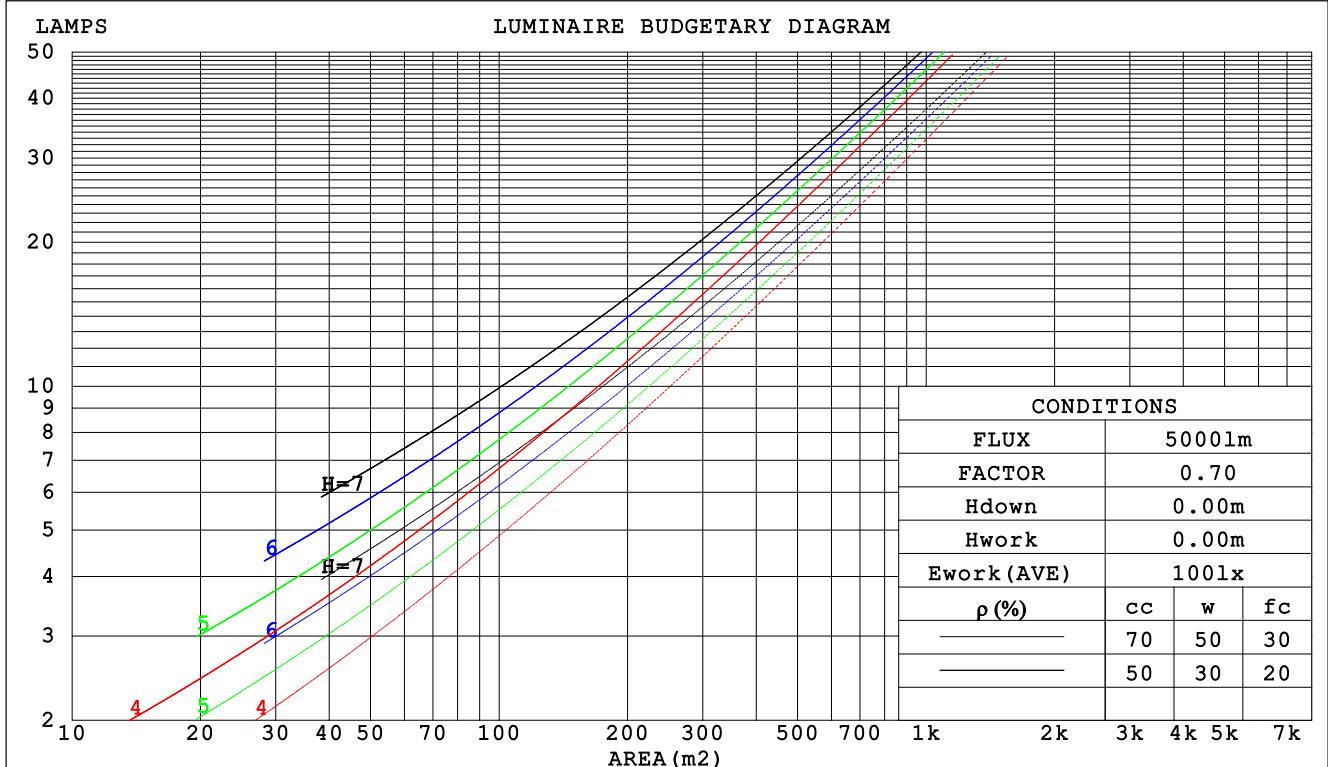
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.47	.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:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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	.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	.038	.223	.119	.036	.187	.101	.031	.154	.085	.026	.124	.069	.021		
4.0	.223	.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	.536	.494	.477	.462	.338	.328	.319	.195	.190	.186	.062	.061	.060	
2.0	.570	.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	.468	.478	.438	.407	.329	.305	.287	.190	.179	.170	.061	.058	.056	
5.0	.550	.497	.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	.388	.320	.294	.275	.186	.173	.164	.060	.057	.054	
8.0	.533	.479	.442	.458	.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	.287	.270	.182	.170	.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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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	2H	16.7	17.6	17.5	18.5	19.6	16.6	17.6	17.5	18.4	19.6
	3H	18.0	18.9	18.9	19.8	20.9	18.1	18.9	19.0	19.8	21.0
	4H	18.6	19.4	19.5	20.3	21.5	18.7	19.4	19.6	20.4	21.5
	6H	19.0	19.7	19.9	20.6	21.8	19.1	19.8	20.1	20.8	22.0
	8H	19.0	19.7	20.0	20.7	21.9	19.3	19.9	20.2	20.9	22.1
	12H	19.1	19.7	20.0	20.7	21.9	19.3	20.0	20.3	20.9	22.2
4H	2H	17.1	17.9	18.0	18.8	20.0	17.1	17.9	18.0	18.8	20.0
	3H	18.7	19.3	19.6	20.3	21.5	18.7	19.3	19.6	20.3	21.5
	4H	19.3	19.9	20.3	20.9	22.1	19.4	20.0	20.4	21.0	22.2
	6H	19.8	20.3	20.8	21.3	22.6	20.0	20.5	21.0	21.5	22.7
	8H	19.9	20.4	20.9	21.4	22.7	20.2	20.6	21.2	21.6	22.9
	12H	20.0	20.4	21.0	21.4	22.7	20.3	20.7	21.3	21.7	23.0
8H	4H	19.5	20.0	20.5	20.9	22.2	19.6	20.0	20.6	21.0	22.3
	6H	20.1	20.5	21.1	21.5	22.8	20.3	20.7	21.3	21.7	23.0
	8H	20.3	20.7	21.4	21.7	23.0	20.6	20.9	21.6	21.9	23.3
	12H	20.4	20.7	21.5	21.8	23.1	20.8	21.0	21.8	22.1	23.4
12H	4H	19.5	19.9	20.5	20.9	22.2	19.5	20.0	20.5	21.0	22.3
	6H	20.1	20.5	21.2	21.5	22.8	20.3	20.6	21.3	21.6	23.0
	8H	20.4	20.7	21.4	21.7	23.1	20.6	20.9	21.7	21.9	23.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 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 2079 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.5)

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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

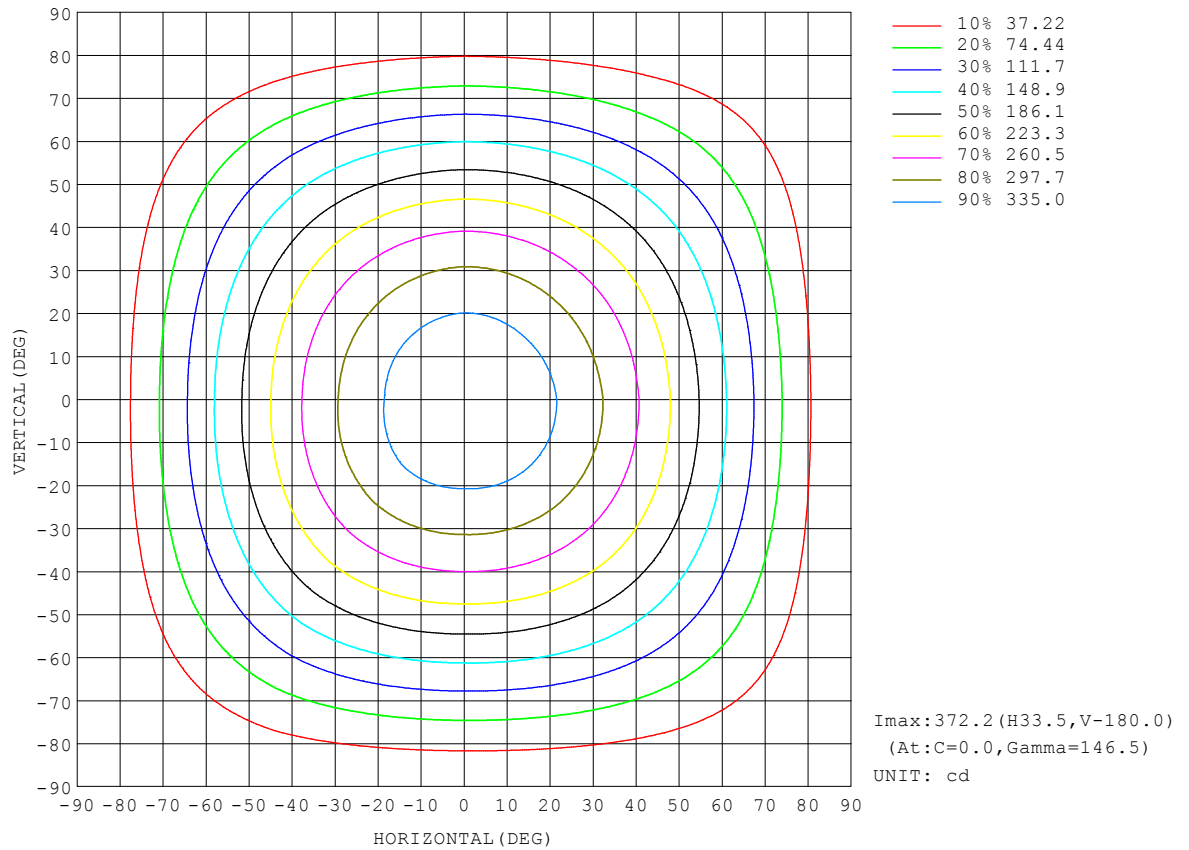
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	36	28	23	16
0.80	53	42	35	50	39	33	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:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



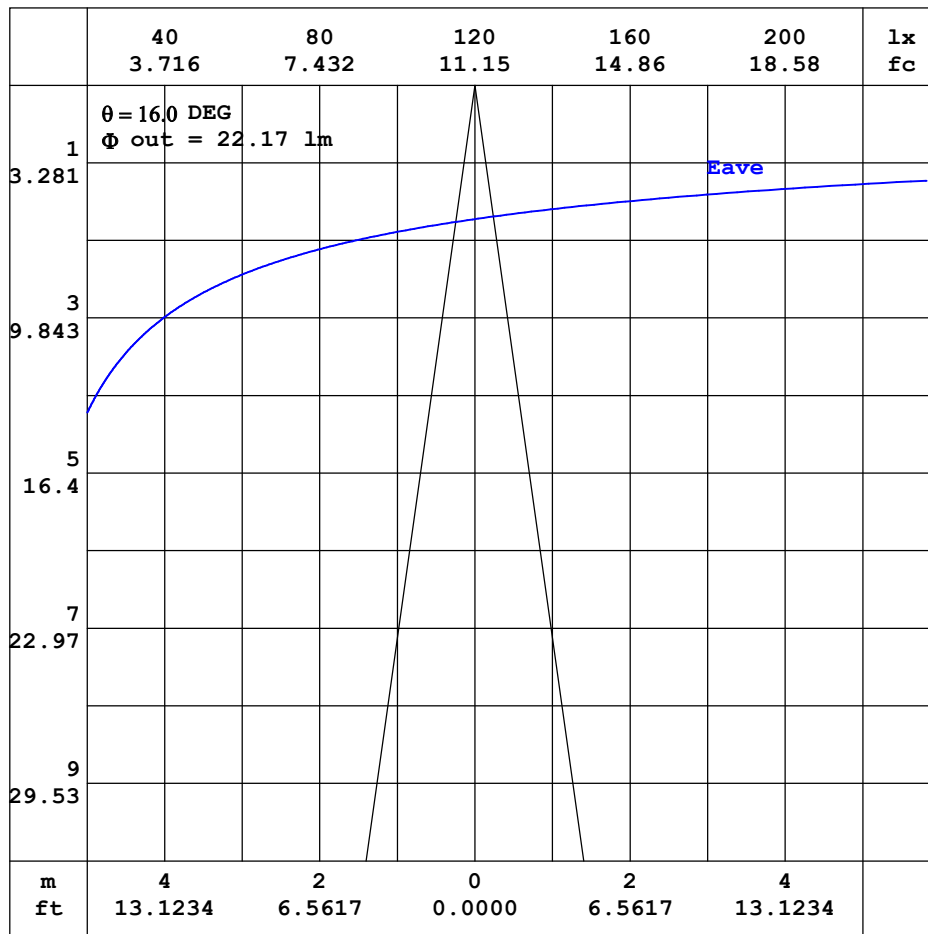
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



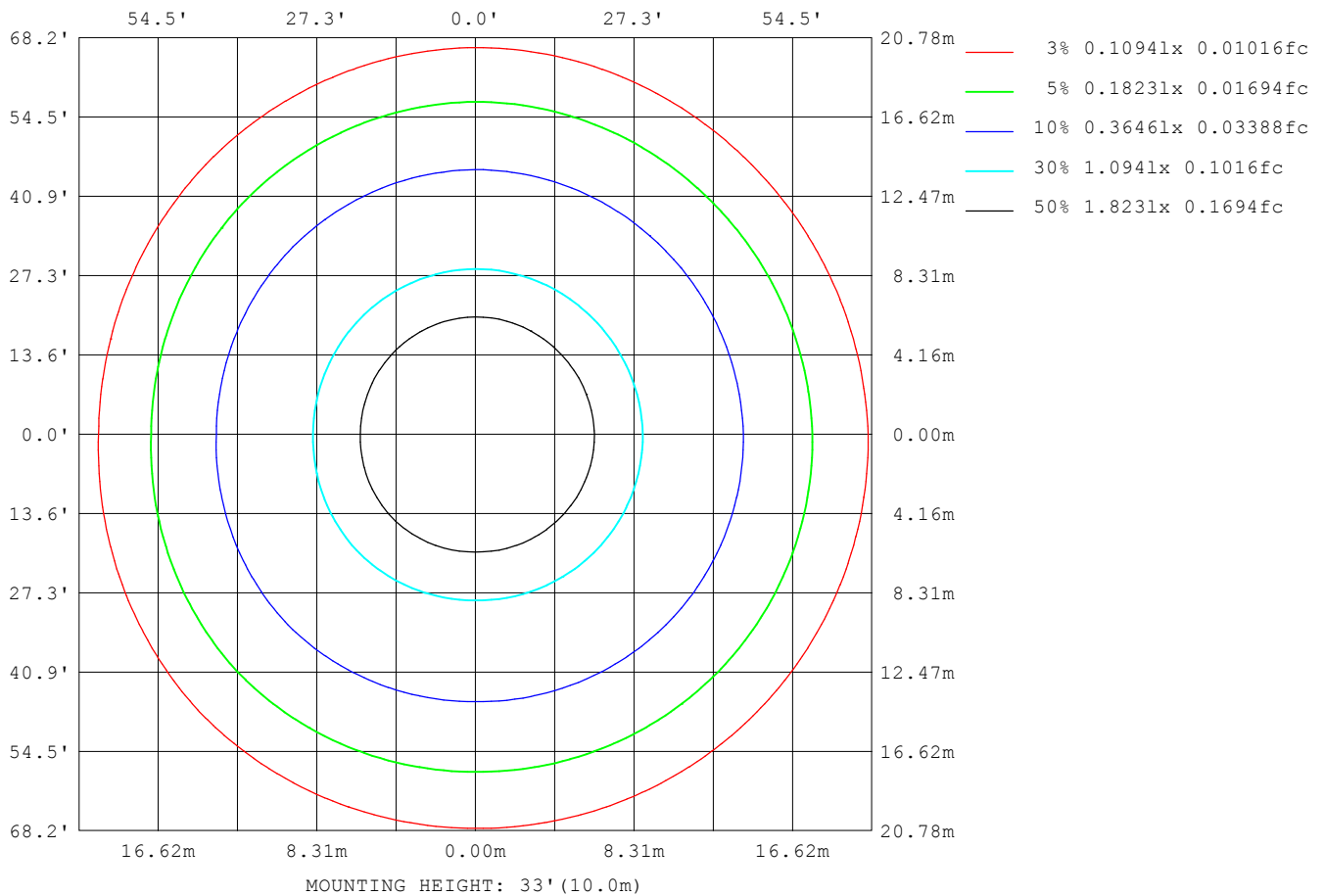
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 lm		
NAME: 2FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

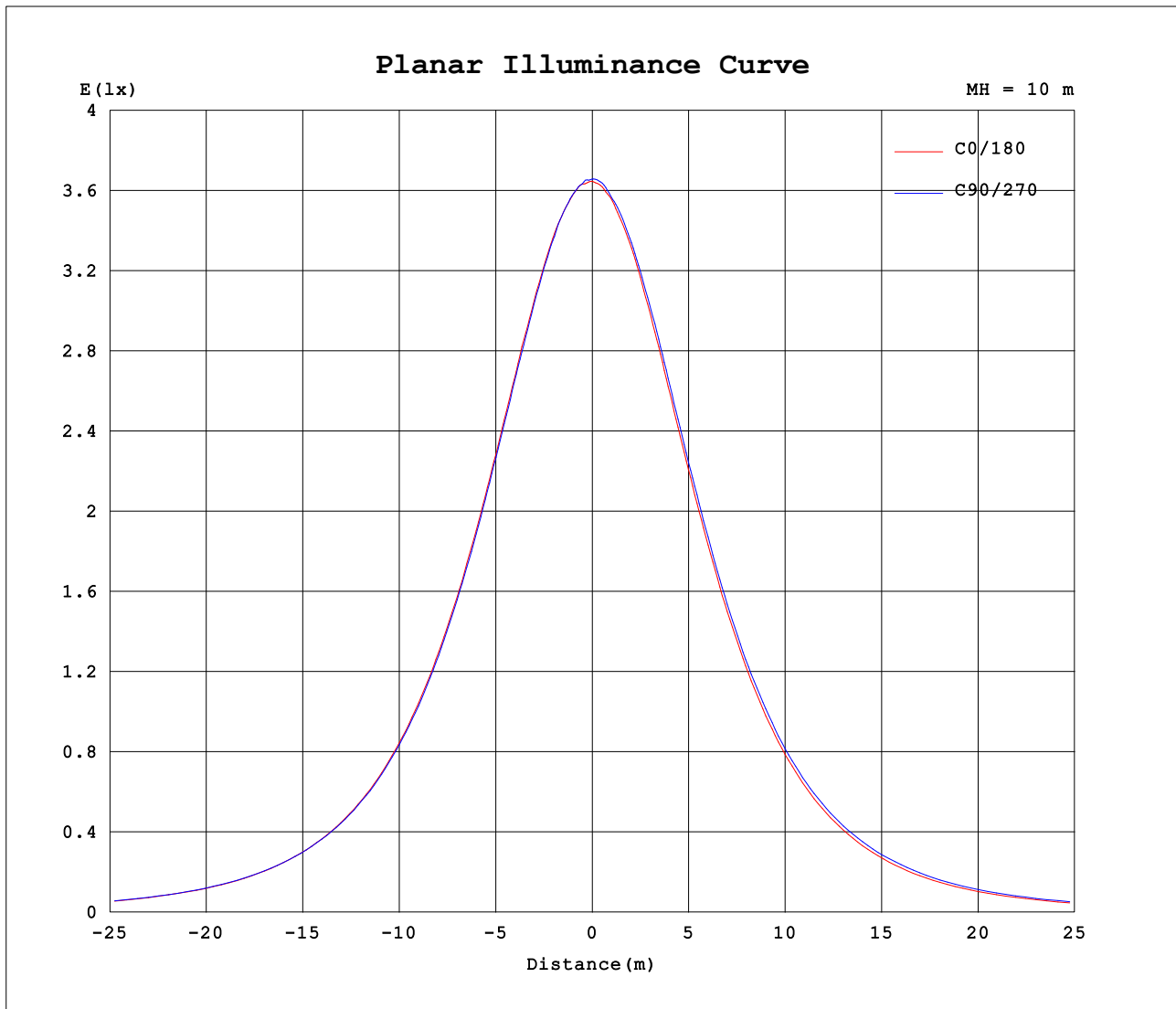
AvgL	cd/m2
L_0~180 (65) av	6580
L_0~180 (75) av	5517
L_0~180 (85) av	2383
L_90~270 (65) av	6929
L_90~270 (75) av	6211
L_90~270 (85) av	4380
L_45 (65) av	6817
L_45 (75) av	5883
L_45 (85) av	3308

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:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	366	366	366
5	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364
10	359	359	359	360	360	360	360	360	360	360	360	360	359	359	359	359	359	359	359
15	351	351	351	351	351	351	351	351	351	350	350	350	350	350	350	350	350	350	349
20	340	340	340	340	340	340	340	340	340	340	339	339	339	338	338	338	337	337	337
25	325	325	325	325	325	325	324	324	324	324	324	324	323	323	323	322	322	322	322
30	307	307	307	307	307	307	307	307	307	307	307	306	306	305	305	305	304	304	304
35	286	286	287	287	287	287	287	287	287	287	286	286	286	285	285	285	284	284	284
40	264	264	264	264	264	264	265	264	264	264	264	264	263	263	262	262	261	261	261
45	239	240	240	240	240	241	241	241	241	241	240	240	239	239	238	238	237	237	236
50	212	213	213	214	214	214	215	215	215	215	215	214	214	213	213	212	212	211	211
55	184	185	186	186	187	187	187	187	188	188	187	187	187	186	186	185	185	184	184
60	156	156	157	157	158	158	159	159	159	159	159	159	158	158	158	157	157	157	156
65	126	126	127	127	128	128	129	129	129	129	129	129	129	129	128	128	128	128	127
70	96.5	97.1	97.7	98.2	98.7	99.1	99.5	99.8	100	100	100	100	100	100	100	100	99.9	99.7	99.4
75	68.7	69.2	69.7	70.2	70.6	71.0	71.3	71.6	71.9	72.1	72.3	72.5	72.7	72.8	72.8	72.8	72.8	72.7	72.5
80	40.7	41.3	41.9	42.4	42.9	43.3	43.8	44.1	44.5	44.8	45.2	45.5	45.8	46.0	46.1	46.3	46.3	46.3	46.2
85	14.5	15.1	15.8	16.4	16.9	17.4	17.9	18.4	18.8	19.2	19.6	20.0	20.4	20.7	20.9	21.1	21.2	21.2	21.2
90	2.00	2.06	2.10	2.13	2.15	2.14	2.13	2.09	2.05	1.98	1.85	1.70	1.54	1.39	1.23	1.08	0.93	0.80	0.69
95	19.5	19.6	19.5	19.4	19.1	18.7	18.2	17.6	16.9	16.0	14.6	13.1	11.5	9.95	8.42	6.95	5.58	4.35	3.28
100	51.9	52.7	53.2	53.4	53.2	52.7	51.9	50.7	49.1	47.3	43.5	39.6	35.5	31.5	27.5	23.8	20.4	17.5	15.1
105	84.4	85.2	85.6	85.6	85.2	84.3	82.9	81.2	79.0	76.4	71.2	65.8	60.2	54.7	49.4	44.4	39.9	36.2	33.2
110	123	125	126	127	127	126	124	122	120	116	109	101	93.5	85.7	78.2	71.1	64.8	59.4	55.3
115	170	172	173	174	174	173	171	168	164	160	151	141	131	121	111	102	94.0	87.3	82.1
120	229	228	227	225	223	219	215	210	205	198	187	175	163	152	141	130	121	114	108
125	285	281	277	272	267	261	255	248	240	232	219	206	193	180	168	158	148	140	134
130	329	324	318	312	306	298	291	283	274	265	251	237	223	210	197	186	176	168	162
135	357	352	347	341	334	327	320	312	303	294	280	265	251	237	224	212	202	193	187
140	365	361	356	351	345	339	332	325	317	309	296	283	270	257	245	234	224	216	210
145	372	366	361	355	349	342	335	328	321	313	302	291	280	270	260	251	243	237	232
150	370	364	358	352	346	340	334	328	321	315	306	297	288	280	272	266	260	255	251
155	355	350	345	339	334	329	324	319	314	309	303	297	291	286	281	276	273	270	267
160	336	332	329	325	321	318	315	312	308	305	302	298	295	292	289	286	284	283	281
165	318	316	314	312	310	308	306	304	303	301	300	299	297	296	295	294	294	293	293
170	306	305	305	304	303	303	302	302	302	301	301	301	301	301	301	302	302	302	302
175	306	306	306	305	305	305	305	305	305	305	305	305	305	306	306	306	306	306	306
180	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308

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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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	366	366	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365
5	364	364	364	364	364	364	364	364	364	364	363	363	363	363	362	362	362	362	362
10	359	359	359	359	359	359	359	359	359	358	358	357	357	356	356	355	355	355	354
15	350	350	350	350	350	350	350	350	349	349	348	348	347	346	346	345	345	344	344
20	337	337	337	337	337	337	337	337	337	337	336	335	334	334	333	332	331	331	330
25	322	322	322	322	322	322	322	322	322	321	320	319	318	317	316	315	315	314	314
30	304	304	304	304	304	304	304	304	303	303	302	301	300	299	298	297	296	295	295
35	284	284	284	284	284	284	284	284	283	282	281	280	279	277	276	275	274	273	273
40	261	261	261	261	261	261	261	260	260	259	258	256	255	254	252	251	250	249	249
45	236	236	236	237	237	236	236	236	236	234	233	231	230	228	227	225	224	223	223
50	211	211	211	211	211	211	211	210	210	208	207	205	203	201	200	198	197	195	195
55	184	184	184	184	184	184	184	183	183	181	179	177	176	174	172	170	168	167	167
60	156	156	156	156	156	156	156	155	154	152	150	148	146	144	142	140	138	137	137
65	127	127	127	127	126	126	126	125	124	122	121	119	117	115	113	111	109	108	108
70	99.3	99.2	99.0	98.7	98.3	97.8	97.2	96.5	95.6	93.8	91.8	89.8	87.8	85.8	83.9	82.2	80.5	79.1	79.0
75	72.4	72.1	71.8	71.4	70.9	70.3	69.6	68.8	67.8	65.9	64.0	61.9	59.9	57.9	56.0	54.2	52.6	51.2	51.1
80	46.0	45.7	45.3	44.8	44.3	43.6	42.8	41.8	40.8	38.9	37.0	35.0	33.0	31.1	29.2	27.4	25.9	24.5	24.4
85	20.9	20.6	20.2	19.7	19.1	18.4	17.6	16.7	15.7	14.3	12.8	11.2	9.65	8.13	6.66	5.30	4.05	2.96	2.67
90	0.71	0.74	0.79	0.85	0.91	0.98	1.04	1.09	1.13	1.04	0.94	0.83	0.72	0.61	0.50	0.41	0.33	0.28	0.39
95	3.37	3.63	4.02	4.52	5.08	5.68	6.27	6.83	7.31	6.61	5.86	5.08	4.33	3.66	3.10	2.71	2.52	2.58	4.59
100	16.5	18.5	21.0	23.7	26.7	29.7	32.7	35.5	38.0	37.3	36.4	35.1	33.8	32.4	31.0	29.8	28.8	28.2	30.7
105	35.8	39.1	43.1	47.6	52.3	57.2	62.0	66.5	70.6	70.0	69.1	67.7	66.1	64.4	62.6	61.0	59.6	58.6	61.6
110	59.1	64.0	69.9	76.5	83.4	90.5	97.4	104	110	109	108	106	103	101	98.3	95.9	93.8	92.1	96.1
115	87.3	94.0	102	111	120	129	139	147	155	155	153	151	148	144	141	138	135	132	137
120	114	121	130	140	150	161	172	182	192	193	194	193	193	191	189	187	186	184	187
125	140	148	157	168	179	191	204	216	227	232	236	239	241	243	244	245	245	245	246
130	167	175	185	195	207	220	233	245	258	265	271	276	281	285	288	290	291	292	292
135	192	199	208	218	229	241	254	266	279	287	295	302	308	314	318	322	325	326	325
140	214	220	228	237	247	258	269	281	292	301	309	317	323	329	335	339	342	344	342
145	235	240	246	254	262	271	281	290	300	308	316	324	331	337	343	347	351	353	350
150	253	257	261	267	273	280	287	295	303	310	317	323	330	335	340	344	347	349	347
155	269	271	274	278	282	286	291	296	302	307	313	318	323	328	332	335	338	340	337
160	282	283	284	286	288	291	293	296	299	303	307	311	315	318	321	324	326	327	325
165	292	293	293	293	294	295	296	297	298	300	302	304	306	308	309	311	312	313	312
170	301	301	301	301	300	300	300	299	299	300	300	300	301	301	302	302	302	303	302
175	306	306	306	305	305	304	304	304	303	303	302	302	302	302	302	301	301	301	302
180	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308

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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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

γ (DEG) \ C (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	365	365	365	365	365	365	365	365	365	365	365	365	365	365	366	366	366	366	366
5	362	362	362	362	362	362	362	362	362	362	363	363	363	363	363	363	363	363	363
10	354	355	355	355	355	355	355	355	356	356	356	356	356	357	357	357	357	357	357
15	344	344	344	344	344	345	345	345	345	346	346	346	347	347	347	348	348	348	348
20	330	330	330	330	331	331	331	331	332	332	333	333	334	334	334	335	335	335	335
25	314	314	314	314	315	315	315	316	316	317	317	317	318	318	319	319	319	319	319
30	295	295	295	295	295	295	296	296	297	297	298	298	299	299	300	300	301	301	301
35	273	273	273	273	273	274	274	275	275	276	276	277	278	278	279	279	280	280	280
40	249	249	249	249	250	250	251	251	252	252	253	254	254	255	255	256	256	256	256
45	223	223	223	224	224	225	225	226	227	227	228	228	229	229	230	230	231	231	231
50	195	195	196	196	197	198	199	199	200	201	201	202	202	203	204	204	204	205	205
55	167	167	167	168	168	169	170	171	172	172	173	174	175	175	176	177	177	177	177
60	137	137	137	138	139	140	141	142	143	143	144	145	146	146	147	148	148	148	148
65	108	108	109	109	110	111	112	113	113	114	115	116	116	117	118	118	119	119	119
70	79.0	79.3	79.8	80.4	81.1	81.9	82.9	83.8	84.6	85.5	86.3	87.1	87.9	88.6	89.3	89.9	90.4	90.3	90.1
75	51.1	51.4	51.9	52.5	53.2	54.1	55.0	56.0	56.8	57.7	58.5	59.3	60.1	60.8	61.5	62.0	62.5	62.3	62.0
80	24.5	24.8	25.2	25.8	26.6	27.4	28.4	29.3	30.2	31.0	31.9	32.7	33.5	34.2	34.9	35.4	35.9	35.7	35.3
85	2.54	2.57	2.74	3.03	3.42	3.91	4.47	5.10	5.78	6.50	7.22	7.94	8.64	9.30	9.91	10.5	10.9	10.7	10.5
90	0.52	0.66	0.80	0.95	1.10	1.23	1.34	1.43	1.52	1.61	1.70	1.79	1.88	1.96	2.04	2.12	2.20	2.28	2.36
95	6.82	9.19	11.6	14.0	16.4	18.5	20.4	22.0	20.8	19.4	17.7	15.9	14.0	12.3	10.7	9.30	8.29	10.3	12.6
100	33.5	36.4	39.5	42.4	45.3	47.8	49.9	51.6	48.9	45.8	42.4	38.8	35.3	31.9	28.8	26.2	24.2	27.1	30.7
105	65.0	68.5	72.1	75.6	78.8	81.6	83.8	85.4	81.1	76.2	70.8	65.4	59.9	54.8	50.2	46.3	43.3	47.5	52.7
110	101	105	110	115	119	123	125	127	121	113	105	97.3	89.3	81.6	74.8	68.9	64.5	70.4	77.8
115	142	147	152	157	161	165	168	169	161	151	141	130	120	110	101	93.6	87.9	95.0	104
120	191	194	197	200	203	204	204	204	194	182	171	159	148	137	127	119	113	120	130
125	247	248	248	248	246	244	241	237	225	212	200	187	175	163	153	145	139	146	155
130	291	290	288	284	280	276	270	263	251	238	224	211	199	188	178	170	164	171	180
135	323	319	315	310	304	297	289	281	269	256	243	231	220	209	201	194	189	195	204
140	339	334	329	323	316	308	300	291	280	269	258	247	238	229	221	216	212	217	225
145	346	341	335	329	321	314	305	297	288	278	269	261	253	246	241	236	233	238	243
150	343	338	333	327	320	313	306	299	292	285	278	272	266	261	257	254	252	255	259
155	334	330	325	320	315	309	303	297	293	288	284	280	276	273	271	269	268	269	272
160	323	319	316	312	308	303	299	295	292	290	288	286	284	283	282	282	282	282	283
165	310	308	306	304	302	299	297	295	294	293	293	292	292	292	292	292	292	292	293
170	301	301	300	299	299	298	297	297	297	298	298	298	299	299	300	300	301	301	301
175	302	303	304	304	305	305	306	307	307	307	307	307	307	306	306	306	306	306	306
180	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308

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:0.1320A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:2078.72x1 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	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365				
5	363	363	363	363	363	363	363	363	363	363	363	363	363	363	364				
10	357	357	357	357	357	357	357	357	357	358	358	358	358	359	359				
15	348	348	348	348	348	348	348	348	348	348	349	349	350	350	351				
20	335	335	335	335	335	335	335	335	336	336	337	337	338	339	339				
25	319	319	319	319	319	319	320	320	320	321	321	322	322	323	324				
30	301	301	301	301	301	301	301	301	302	302	303	303	304	305	306				
35	280	280	280	280	280	280	280	280	281	281	282	283	283	284	285				
40	256	256	256	256	256	256	256	257	257	258	259	259	260	261	262				
45	231	231	231	231	231	231	232	232	233	233	234	235	236	237	238				
50	205	205	205	205	205	205	205	206	206	207	208	208	209	210	211				
55	177	177	177	176	176	176	176	177	177	178	179	180	181	182	183				
60	148	148	147	147	147	147	147	148	148	149	150	151	152	153	154				
65	119	118	118	118	118	118	118	118	119	120	120	121	122	123	125				
70	89.8	89.5	89.2	88.9	88.7	88.5	88.4	88.8	89.4	90.0	90.8	91.7	92.7	93.8	95.1				
75	61.7	61.3	60.9	60.5	60.2	60.0	59.9	60.4	60.9	61.6	62.4	63.4	64.5	65.8	67.2				
80	35.0	34.5	34.1	33.7	33.4	33.1	32.9	33.3	33.7	34.3	35.1	35.9	36.9	38.1	39.3				
85	10.2	9.81	9.45	9.11	8.80	8.56	8.39	8.65	9.00	9.47	10.0	10.7	11.5	12.4	13.4				
90	0.73	0.94	1.17	1.40	1.62	1.84	2.04	2.13	2.19	2.23	2.25	2.24	2.22	2.17	2.09				
95	15.1	17.9	20.7	23.4	26.1	28.5	30.6	31.0	31.0	30.6	29.8	28.5	26.9	24.9	22.4				
100	34.8	39.2	43.7	48.4	52.9	57.1	61.0	62.2	62.9	63.0	62.6	61.6	60.0	57.8	55.1				
105	58.7	65.1	71.8	78.6	85.3	91.5	97.2	99.1	100	100	99.7	98.3	96.0	93.0	89.1				
110	86.2	95.4	105	115	124	133	141	144	145	146	145	143	139	135	129				
115	114	125	137	150	161	173	183	187	190	191	191	189	186	182	176				
120	140	152	165	178	191	204	216	222	227	231	233	234	235	234	232				
125	166	178	192	206	220	234	248	255	262	268	273	277	280	283	284				
130	191	204	217	232	246	261	276	284	292	300	306	312	318	322	326				
135	214	226	239	253	267	282	296	305	314	321	329	336	342	348	353				
140	234	245	256	268	281	293	306	314	322	330	337	343	349	355	360				
145	250	259	268	277	287	298	308	316	324	331	338	345	352	359	365				
150	264	270	277	284	292	300	308	315	322	328	335	342	349	355	362				
155	274	278	282	286	291	296	302	307	312	317	323	329	335	341	348				
160	285	287	289	291	294	296	300	303	306	310	313	317	322	326	331				
165	293	294	294	295	296	297	298	300	301	303	305	307	310	312	315				
170	301	300	300	300	300	300	300	301	301	301	302	303	303	304	305				
175	305	305	305	305	305	305	305	305	305	305	305	305	306	306	306				
180	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308				

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: