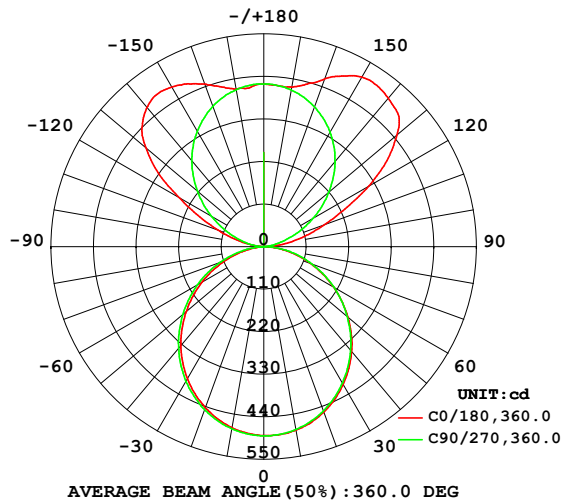


## LUMINAIRE PHOTOMETRIC TEST REPORT

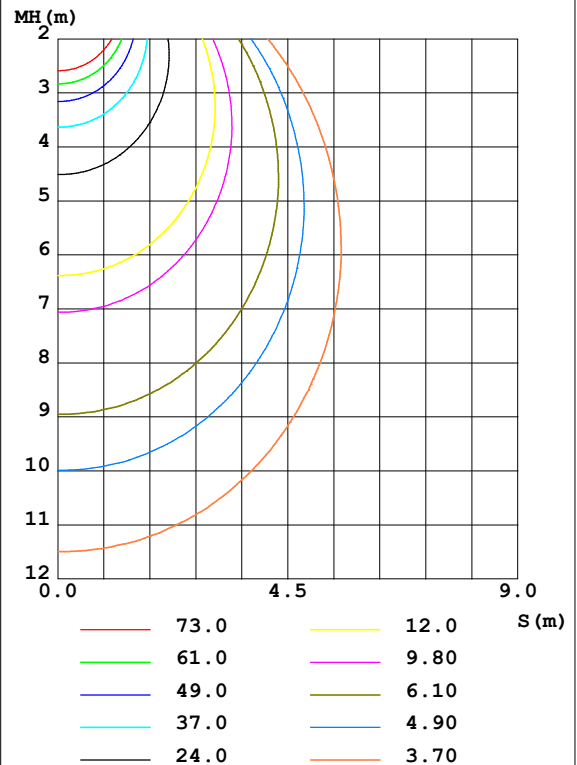
Test:U:119.0V I:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.80 lm/W			
MODEL		I <sub>max</sub> (cd)	510.2	S/MH(C0/180)	1.25
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2816.0	η UP,DN(C0-180)	25.8,24.3
NOMINAL FLUX(lm)	2816.03	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.7,23.2
LAMPS INSIDE	1	η up(%)	52.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.4	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:

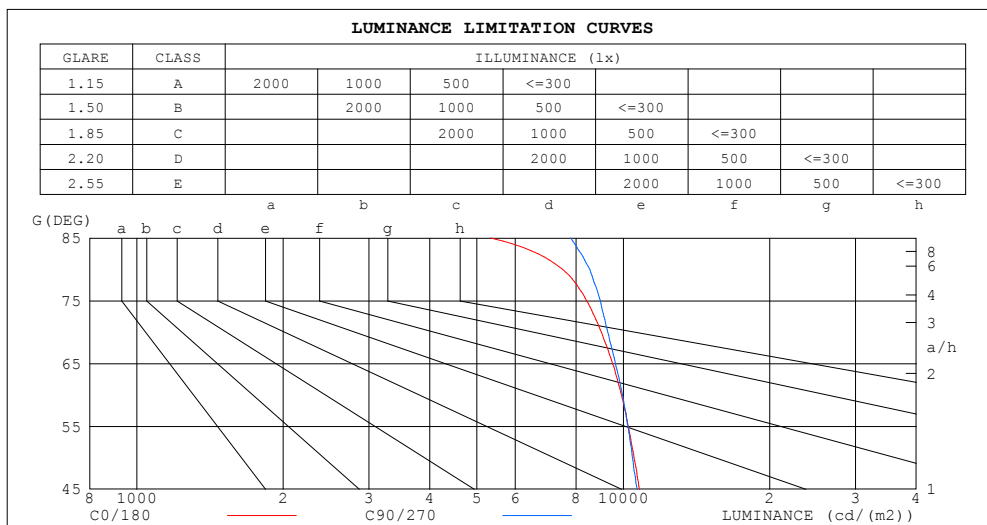
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	481.9	481.7	479.7	479.3	475.0	475.5	477.9	478.2	0- 10	46.17	46.17	1.64,1.64
20	454.9	454.7	452.2	451.0	443.1	444.2	448.4	448.1	10- 20	131.5	177.7	6.31,6.31
30	411.3	411.3	407.0	405.7	395.0	396.5	402.4	402.0	20- 30	197.4	375.0	13.3,13.3
40	353.7	354.4	349.4	348.2	334.3	336.8	342.7	343.0	30- 40	235.0	610.1	21.7,21.7
50	284.2	287.9	282.0	281.8	261.9	267.0	273.3	274.1	40- 50	240.5	850.6	30.2,30.2
60	208.2	213.1	209.3	206.6	184.8	189.9	198.3	197.0	50- 60	213.8	1064	37.8,37.8
70	129.5	134.3	133.5	128.2	106.2	112.2	120.8	118.2	60- 70	160.1	1225	43.5,43.5
80	54.69	60.06	62.22	54.70	32.85	39.37	47.98	44.00	70- 80	90.17	1315	46.7,46.7
90	2.717	2.620	0.9740	1.538	0.3921	2.077	0.3319	2.803	80- 90	21.20	1336	47.4,47.4
100	70.92	65.34	20.45	51.87	38.76	70.82	33.11	83.50	90-100	24.15	1360	48.3,48.3
110	167.8	160.2	76.24	149.7	126.3	175.4	88.23	193.9	100-110	101.6	1462	51.9,51.9
120	313.7	272.7	148.0	260.9	251.5	278.2	155.3	296.8	110-120	193.8	1655	58.8,58.8
130	449.6	363.8	219.7	351.0	398.2	359.3	224.5	377.4	120-130	265.7	1921	68.2,68.2
140	501.3	422.8	287.0	398.8	469.8	398.1	289.8	419.4	130-140	288.8	2210	78.5,78.5
150	506.3	432.0	342.7	412.6	476.5	408.6	344.5	423.5	140-150	256.9	2467	87.6,87.6
160	461.3	418.6	384.6	408.9	447.2	404.7	386.3	411.5	150-160	192.7	2660	94.4,94.4
170	418.8	413.5	411.2	409.5	413.6	408.2	412.0	412.0	160-170	116.9	2776	98.6,98.6
180	419.9	419.9	419.9	419.9	419.9	419.9	419.9	419.9	170-180	39.64	2816	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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



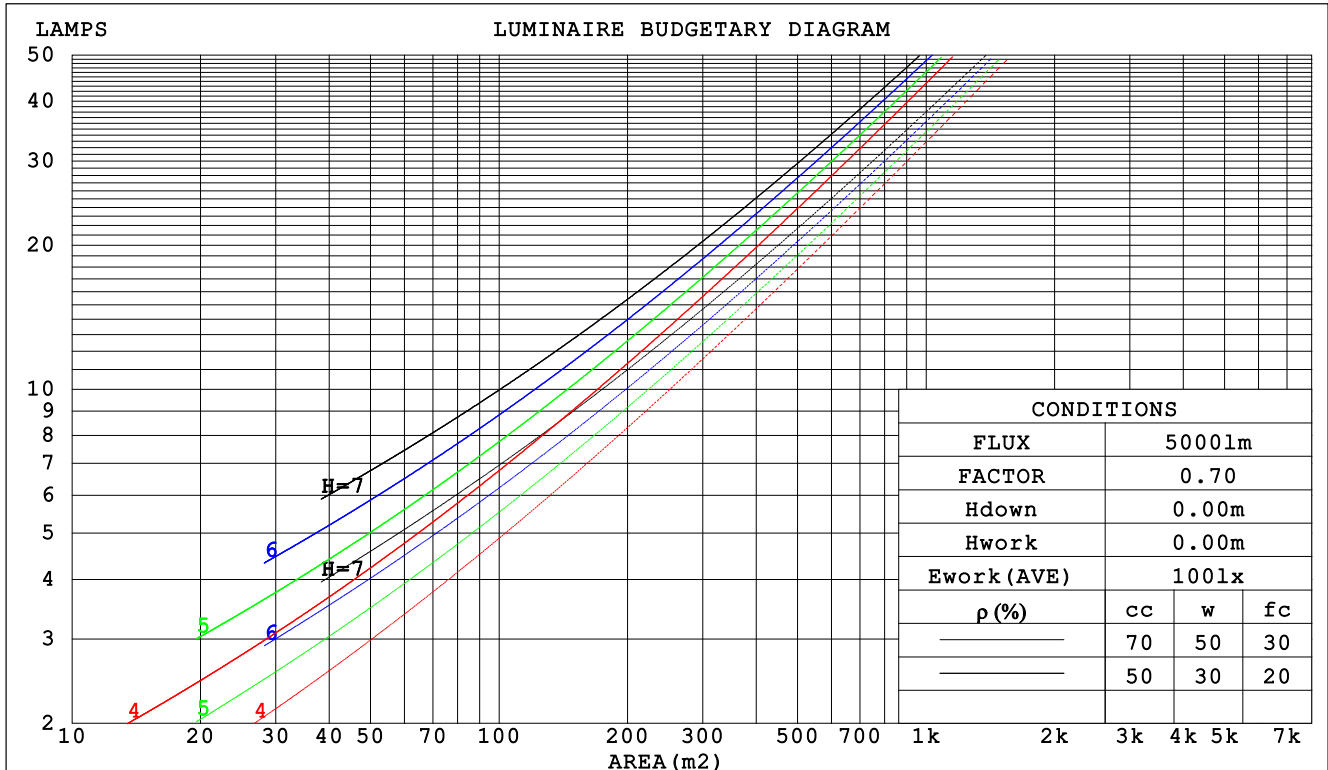
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.0V I:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 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	.67	.67	.67	.54	.54	.54	.47
1.0	.93	.89	.85	.85	.82	.79	.72	.69	.67	.59	.57	.56	.47	.46	.45	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.55	.52	.49	.47	.42	.40	.38	.33
3.0	.71	.64	.58	.66	.59	.54	.55	.50	.46	.46	.42	.39	.37	.34	.32	.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	.36	.32	.29	.30	.26	.24	.21
6.0	.50	.42	.36	.46	.39	.34	.39	.34	.30	.33	.29	.25	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.22	.24	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.32	.27	.23	.27	.23	.20	.22	.19	.17	.14
9.0	.37	.30	.25	.35	.28	.23	.30	.24	.21	.25	.21	.18	.21	.17	.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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm					
NAME: 2FT			TYPE:3500K 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	.279	.159	.050	.257	.146	.046	.214	.123	.039	.174	.101	.032	.138	.080	.026		
2.0	.261	.143	.044	.240	.132	.041	.201	.112	.035	.165	.092	.029	.132	.074	.023		
3.0	.241	.128	.038	.222	.119	.036	.187	.101	.031	.154	.084	.026	.123	.068	.021		
4.0	.223	.116	.034	.206	.108	.032	.173	.092	.027	.143	.077	.023	.114	.062	.019		
5.0	.207	.106	.031	.191	.098	.029	.161	.084	.025	.133	.070	.021	.106	.057	.017		
6.0	.193	.097	.028	.178	.090	.026	.150	.077	.022	.124	.064	.019	.099	.052	.016		
7.0	.180	.089	.025	.166	.083	.024	.140	.071	.020	.116	.059	.017	.093	.048	.014		
8.0	.168	.082	.023	.156	.077	.022	.131	.066	.019	.109	.055	.016	.087	.045	.013		
9.0	.158	.076	.021	.146	.071	.020	.124	.061	.017	.102	.051	.015	.082	.042	.012		
10.0	.149	.071	.020	.138	.066	.019	.117	.057	.016	.097	.048	.014	.078	.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	.591	.591	.591	.505	.505	.505	.345	.345	.345	.198	.198	.198	.063	.063	.063	
1.0	.582	.560	.541	.498	.481	.465	.341	.331	.322	.196	.191	.187	.063	.062	.061	
2.0	.575	.539	.508	.492	.464	.439	.337	.321	.306	.194	.187	.180	.062	.060	.059	
3.0	.568	.523	.487	.487	.451	.422	.334	.313	.296	.193	.183	.175	.062	.059	.057	
4.0	.561	.511	.473	.481	.441	.411	.331	.308	.289	.191	.180	.171	.062	.059	.056	
5.0	.554	.502	.463	.476	.434	.402	.328	.303	.284	.190	.178	.169	.061	.058	.056	
6.0	.548	.494	.455	.471	.428	.396	.325	.300	.281	.189	.176	.167	.061	.058	.055	
7.0	.542	.488	.450	.467	.423	.392	.322	.297	.278	.187	.175	.165	.061	.057	.055	
8.0	.537	.483	.446	.462	.419	.389	.320	.294	.276	.186	.173	.164	.060	.057	.054	
9.0	.531	.479	.443	.458	.415	.386	.317	.292	.274	.185	.172	.164	.060	.057	.054	
10.0	.526	.475	.440	.454	.412	.384	.315	.290	.273	.184	.171	.163	.060	.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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm										
NAME: 2FT						TYPE:3500K 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	17.6	18.6	18.5	19.4	20.6	17.6	18.5	18.5	19.4	20.6
3H	19.0	19.8	19.9	20.8	21.9	19.1	19.9	20.0	20.8	22.0
4H	19.6	20.3	20.5	21.3	22.4	19.7	20.4	20.6	21.3	22.5
6H	19.9	20.6	20.9	21.6	22.8	20.1	20.8	21.0	21.8	23.0
8H	20.0	20.7	21.0	21.6	22.9	20.2	20.9	21.2	21.9	23.1
12H	20.0	20.7	21.0	21.6	22.9	20.3	21.0	21.3	21.9	23.2
4H 2H	18.1	18.9	19.0	19.8	21.0	18.1	18.8	19.0	19.8	21.0
3H	19.6	20.3	20.6	21.2	22.5	19.7	20.3	20.6	21.3	22.5
4H	20.3	20.9	21.3	21.8	23.1	20.4	21.0	21.4	21.9	23.2
6H	20.8	21.3	21.8	22.3	23.6	21.0	21.5	21.9	22.4	23.7
8H	20.9	21.4	21.9	22.4	23.7	21.1	21.6	22.2	22.6	23.9
12H	21.0	21.4	22.0	22.4	23.7	21.3	21.7	22.3	22.7	24.0
8H 4H	20.5	20.9	21.5	21.9	23.2	20.5	21.0	21.5	22.0	23.3
6H	21.1	21.5	22.1	22.5	23.8	21.3	21.6	22.3	22.7	24.0
8H	21.3	21.6	22.3	22.7	24.0	21.5	21.9	22.6	22.9	24.3
12H	21.4	21.7	22.5	22.7	24.1	21.7	22.0	22.8	23.1	24.4
12H 4H	20.4	20.9	21.4	21.9	23.2	20.5	20.9	21.5	21.9	23.3
6H	21.1	21.4	22.1	22.5	23.8	21.3	21.6	22.3	22.6	24.0
8H	21.4	21.6	22.4	22.7	24.0	21.6	21.9	22.6	22.9	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 2816 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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

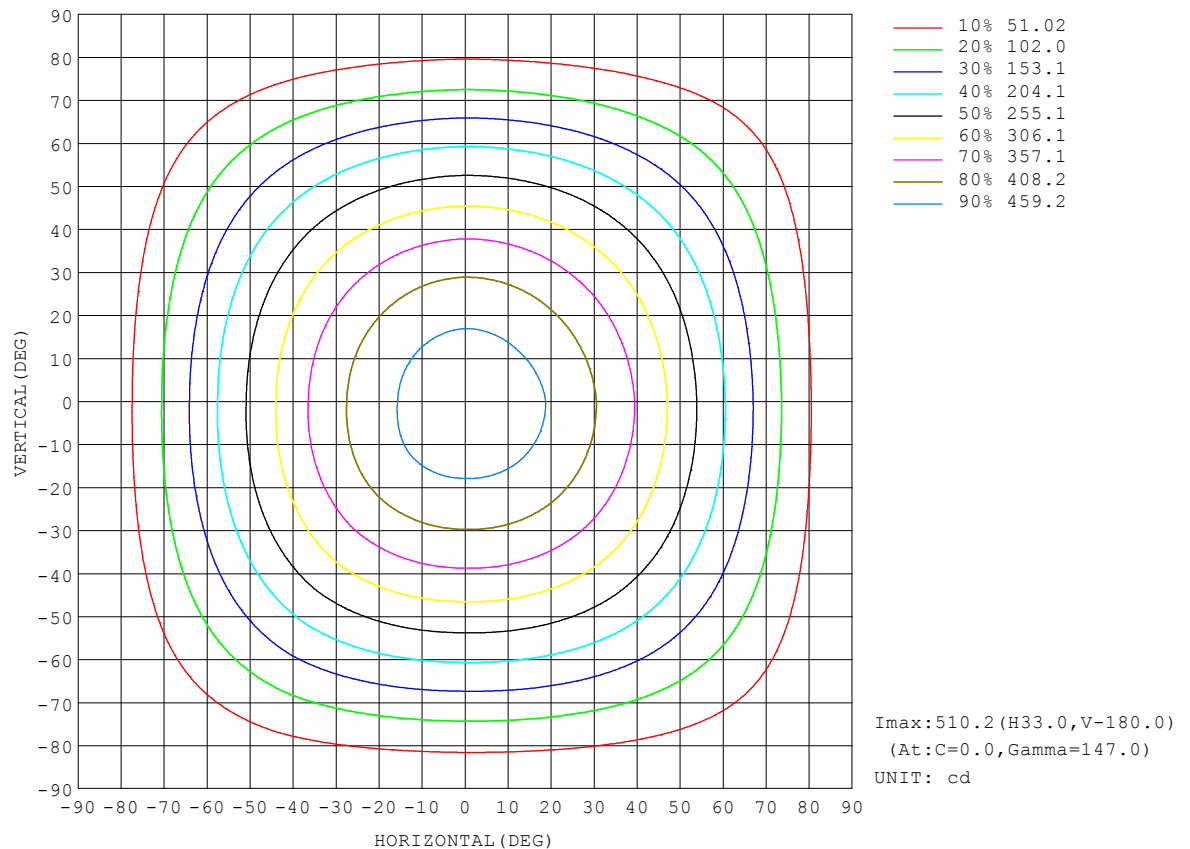
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	32	26	41	31	25	36	28	23	16
0.80	53	41	34	49	39	33	43	35	30	20
1.00	61	49	42	57	46	40	49	42	36	24
1.25	68	57	49	63	53	47	54	47	42	27
1.50	73	62	55	67	58	52	58	51	46	30
2.00	80	70	63	74	66	60	63	57	52	33
2.50	84	76	69	78	71	65	66	61	57	35
3.00	88	80	74	81	74	69	68	64	60	37
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	89	85	87	83	79	73	70	67	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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



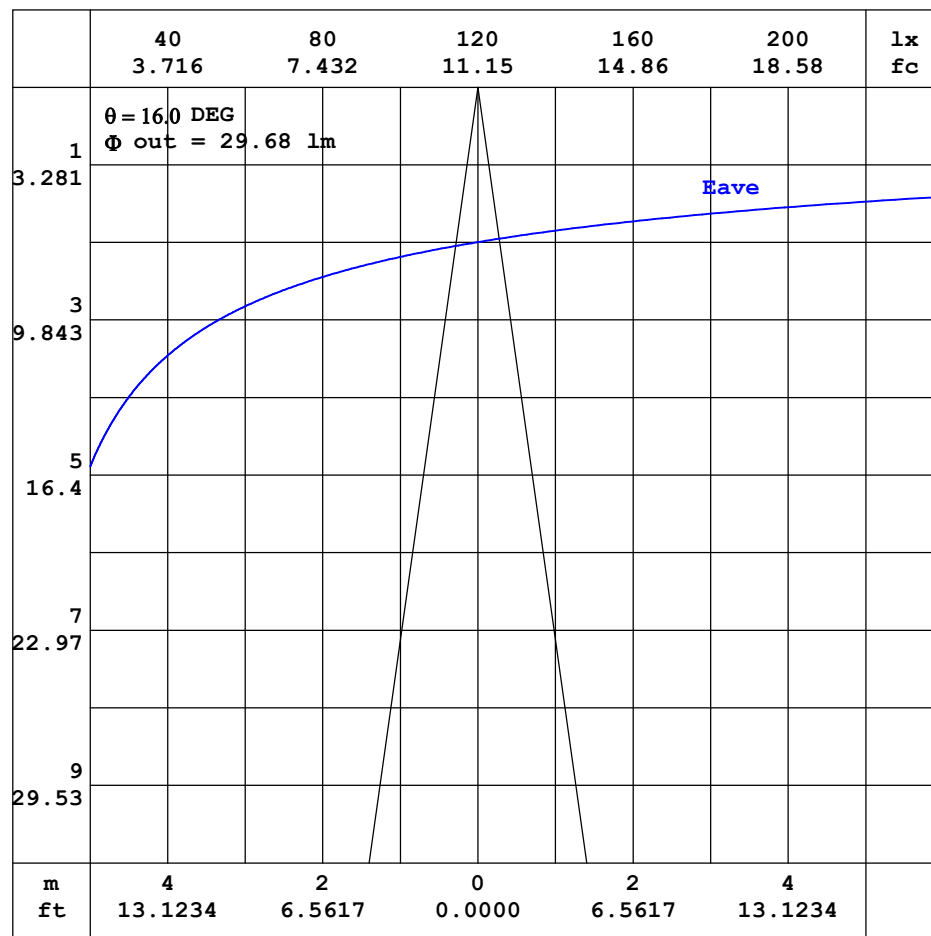
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



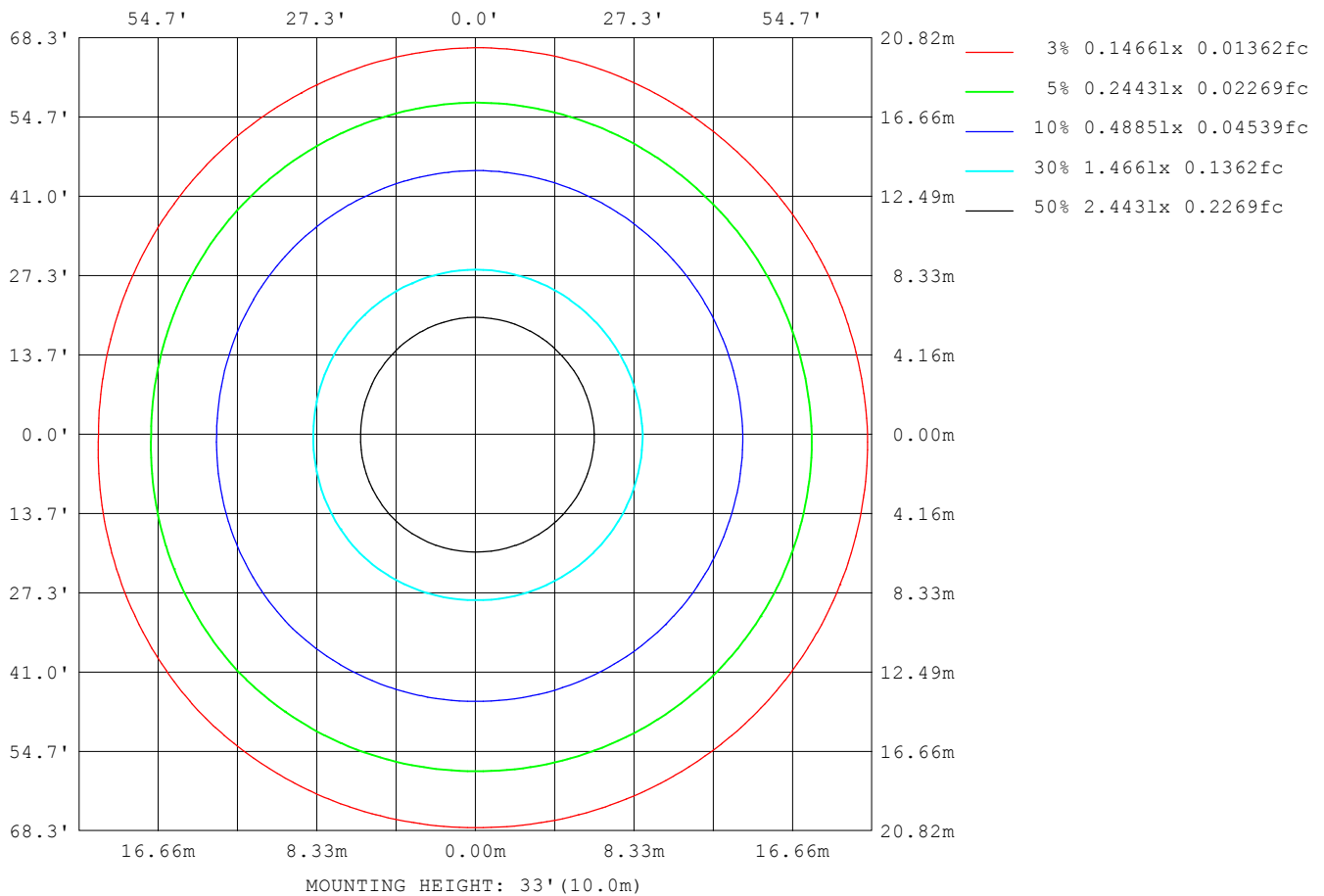
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

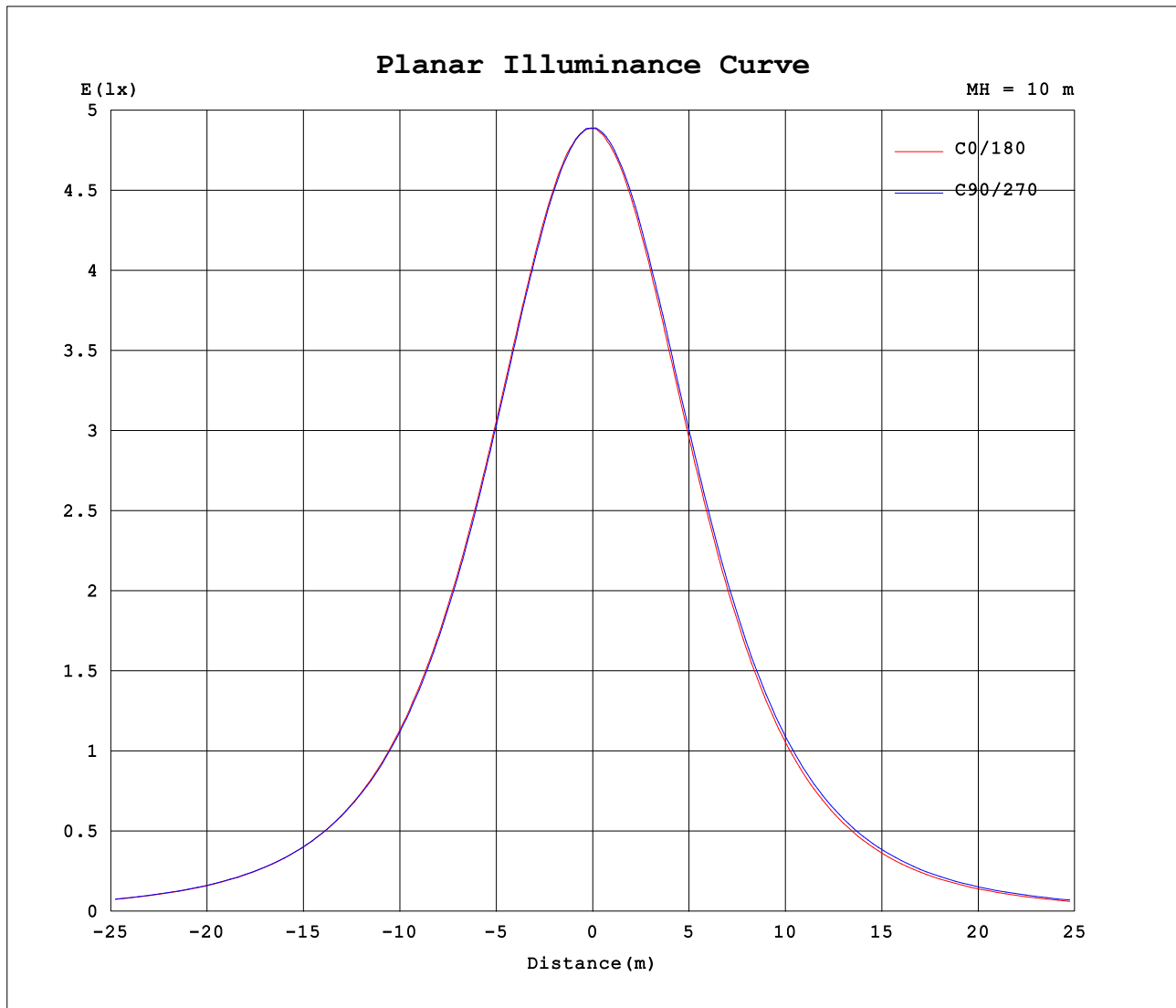
AvgL	cd/m2
L_0~180 (65) av	8848
L_0~180 (75) av	7366
L_0~180 (85) av	3210
L_90~270 (65) av	9327
L_90~270 (75) av	8325
L_90~270 (85) av	5879
L_45 (65) av	9166
L_45 (75) av	7867
L_45 (85) av	4435

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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 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	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489
5	488	488	488	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
10	482	482	482	482	482	482	482	482	482	481	481	481	481	481	481	480	480	480	480
15	471	471	471	471	471	471	470	470	470	470	470	469	469	469	469	469	468	468	468
20	455	455	455	455	455	455	455	455	455	454	454	454	454	453	453	453	452	452	452
25	435	435	435	435	435	435	435	435	435	434	434	434	433	433	433	432	432	432	431
30	411	412	412	412	412	412	412	412	412	411	411	410	410	410	409	408	408	407	407
35	384	384	384	384	384	384	384	384	384	384	384	383	383	382	382	381	380	380	379
40	354	354	354	355	355	355	355	355	355	354	354	353	353	352	352	351	351	350	349
45	320	321	321	322	322	322	322	323	322	322	322	321	321	320	320	319	318	318	317
50	284	285	286	286	287	287	288	288	288	288	287	287	286	286	285	284	283	283	282
55	247	248	249	250	250	251	251	251	252	252	251	251	250	250	249	248	248	247	246
60	208	209	210	211	211	212	212	213	213	213	213	213	212	212	211	211	210	210	209
65	169	170	171	172	172	173	174	174	174	175	174	174	174	174	173	173	172	172	171
70	129	130	131	132	132	133	133	134	134	134	134	135	135	135	134	134	134	134	134
75	91.4	92.2	93.0	93.7	94.3	94.9	95.4	95.9	96.3	96.6	97.0	97.3	97.5	97.7	97.8	97.9	97.8	97.7	97.5
80	54.7	55.4	56.2	56.8	57.5	58.1	58.6	59.1	59.6	60.1	60.6	61.0	61.5	61.8	62.1	62.3	62.4	62.3	62.2
85	19.5	20.4	21.2	21.9	22.6	23.3	23.9	24.5	25.1	25.6	26.2	26.8	27.3	27.7	28.1	28.4	28.5	28.6	28.6
90	2.72	2.78	2.83	2.86	2.87	2.85	2.82	2.78	2.71	2.62	2.44	2.26	2.06	1.86	1.66	1.46	1.28	1.12	0.97
95	26.8	26.9	26.9	26.7	26.3	25.8	25.1	24.3	23.3	22.1	20.1	18.0	15.8	13.7	11.5	9.50	7.59	5.87	4.39
100	70.9	72.2	73.1	73.4	73.3	72.7	71.6	70.0	67.9	65.3	60.2	54.7	49.0	43.4	37.9	32.6	27.9	23.8	20.5
105	115	117	117	118	117	116	114	112	109	105	98.2	90.7	82.9	75.3	67.9	60.9	54.7	49.4	45.2
110	168	171	173	174	174	173	171	168	165	160	150	140	129	118	108	98.3	89.5	82.1	76.2
115	232	236	238	239	239	237	235	231	226	220	207	193	179	166	152	140	129	119	112
120	314	313	312	309	306	301	296	289	281	273	257	241	225	208	193	179	166	156	148
125	389	385	379	373	366	358	350	341	330	319	302	284	266	248	232	217	203	193	184
130	450	443	436	427	419	409	399	388	376	364	345	325	306	287	270	254	240	228	220
135	489	483	475	467	458	448	438	427	415	402	383	363	343	324	306	290	275	264	255
140	501	495	489	481	473	465	455	445	434	423	405	387	369	351	335	320	307	295	287
145	509	502	495	487	478	469	460	451	440	430	415	399	384	370	356	344	333	324	317
150	506	499	491	483	475	467	458	450	441	432	420	407	395	384	373	363	355	348	343
155	487	480	473	466	459	452	445	438	432	425	416	408	400	392	385	378	373	369	365
160	461	456	451	446	441	436	432	427	423	419	413	409	404	399	395	392	389	386	385
165	436	433	430	427	424	422	420	417	415	413	411	409	407	406	404	403	402	401	400
170	419	418	417	417	416	415	415	414	414	413	413	413	412	412	412	412	412	411	411
175	418	418	418	418	417	417	417	417	417	417	417	418	418	418	418	418	418	418	418
180	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420

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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm		
NAME: 2FT	TYPE:3500K 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	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489
5	487	487	487	487	487	487	487	486	486	486	486	485	485	485	485	485	484	484	484
10	480	480	480	480	480	480	480	479	479	479	478	478	477	477	476	476	475	475	475
15	468	468	468	468	468	468	468	468	468	467	466	466	465	464	463	463	462	461	461
20	452	452	452	452	452	452	452	451	451	450	449	448	447	446	446	445	444	443	443
25	431	431	431	431	431	431	431	430	430	429	428	427	426	425	424	422	421	421	420
30	407	407	407	407	407	407	406	406	406	405	403	402	401	399	398	397	396	395	395
35	379	379	379	379	379	379	379	379	378	377	376	374	373	371	370	368	367	366	366
40	349	349	349	349	349	349	349	349	348	347	345	344	342	340	339	337	336	334	334
45	317	317	317	317	317	317	317	317	316	314	312	310	308	306	304	302	300	299	299
50	282	282	283	283	283	283	283	282	282	280	277	275	273	270	268	266	264	262	262
55	246	247	247	247	247	246	246	246	245	243	240	238	235	233	230	228	226	224	223
60	209	209	209	209	209	209	208	207	207	204	202	199	197	194	191	189	187	185	185
65	171	171	171	171	171	170	170	169	168	166	163	160	158	155	152	150	147	145	145
70	133	133	133	132	132	131	130	129	128	126	123	121	118	115	113	110	108	106	106
75	97.2	96.9	96.5	95.9	95.2	94.3	93.3	92.2	90.8	88.3	85.7	83.0	80.3	77.6	75.1	72.7	70.6	68.7	68.5
80	61.9	61.6	61.0	60.4	59.5	58.6	57.4	56.2	54.7	52.2	49.6	46.9	44.2	41.6	39.1	36.8	34.7	32.8	32.7
85	28.2	27.8	27.2	26.5	25.7	24.7	23.7	22.5	21.1	19.2	17.1	15.0	12.9	10.9	8.92	7.09	5.42	3.96	3.58
90	1.00	1.05	1.11	1.19	1.27	1.35	1.42	1.49	1.54	1.41	1.27	1.12	0.97	0.82	0.68	0.56	0.46	0.39	0.55
95	4.52	4.88	5.44	6.13	6.93	7.76	8.59	9.37	10.1	9.11	8.07	7.01	5.99	5.06	4.30	3.76	3.50	3.59	6.36
100	22.4	25.1	28.4	32.2	36.2	40.4	44.5	48.4	51.9	51.0	49.6	48.0	46.2	44.3	42.5	40.9	39.6	38.8	42.2
105	48.6	53.0	58.4	64.4	70.8	77.3	83.8	89.9	95.5	94.9	93.7	91.9	89.9	87.7	85.5	83.4	81.7	80.4	84.5
110	81.3	87.9	95.8	105	114	123	133	142	150	149	147	144	141	138	134	131	128	126	132
115	119	127	138	150	162	175	188	199	210	210	208	205	202	198	194	190	186	183	189
120	155	165	177	190	204	219	234	248	261	263	264	264	262	261	258	256	254	252	256
125	192	202	215	229	245	261	278	294	309	316	321	325	329	331	333	333	334	334	336
130	227	238	251	265	282	299	316	334	351	360	369	376	382	388	392	395	397	398	398
135	261	270	282	296	312	328	345	363	380	391	402	411	420	427	434	439	442	444	443
140	292	301	311	323	337	352	367	383	399	411	422	432	441	450	457	463	467	470	467
145	321	328	336	346	357	370	382	396	409	421	431	442	451	460	467	474	478	481	478
150	346	350	356	364	372	382	392	402	413	422	432	441	449	457	464	469	474	476	473
155	367	370	374	379	385	391	398	405	412	420	427	435	441	448	453	458	462	465	461
160	385	387	388	391	394	397	401	405	409	414	420	425	430	435	439	442	445	447	445
165	400	400	400	401	401	402	404	405	406	409	412	415	417	420	422	425	426	428	426
170	411	411	410	410	410	410	410	409	409	410	410	411	412	412	413	413	413	414	413
175	418	418	417	417	417	416	416	415	415	414	414	414	413	413	413	413	413	413	413
180	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420

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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm																		
NAME: 2FT									TYPE:3500K 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	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489
5	484	484	484	484	484	484	484	485	485	485	485	485	485	486	486	486	486	486	486
10	475	475	475	475	475	475	475	475	476	476	476	477	477	477	477	478	478	478	478
15	461	461	461	461	462	462	462	462	463	463	463	464	464	464	465	465	465	465	465
20	443	443	443	443	443	444	444	444	445	445	446	446	447	447	448	448	448	448	448
25	420	420	420	421	421	421	422	422	423	423	424	424	425	425	426	426	427	427	427
30	395	395	395	395	395	396	396	397	397	398	399	399	400	401	401	402	402	402	402
35	366	366	366	366	366	367	367	368	369	369	370	371	371	372	373	373	374	374	374
40	334	334	334	334	335	335	336	337	337	338	339	340	340	341	342	342	343	343	343
45	299	299	299	300	300	301	302	303	303	304	305	306	306	307	308	308	309	309	309
50	262	262	262	263	264	265	266	267	268	269	269	270	271	271	272	273	273	273	273
55	223	224	224	225	226	227	228	229	230	231	232	232	233	234	235	236	236	236	236
60	184	185	185	186	187	188	189	190	191	192	193	194	195	196	197	198	198	198	198
65	145	145	146	146	147	148	150	151	152	153	154	155	157	158	159	159	160	160	160
70	106	106	107	108	109	110	111	112	113	114	115	117	118	118	119	120	121	121	120
75	68.5	68.9	69.5	70.3	71.2	72.3	73.5	74.8	75.9	77.1	78.2	79.3	80.3	81.3	82.1	82.9	83.5	83.2	82.8
80	32.8	33.2	33.8	34.7	35.7	36.8	38.1	39.4	40.5	41.6	42.7	43.8	44.8	45.8	46.6	47.4	48.0	47.7	47.2
85	3.43	3.49	3.73	4.13	4.67	5.34	6.11	6.95	7.84	8.77	9.71	10.6	11.6	12.4	13.2	13.9	14.5	14.3	13.9
90	0.74	0.95	1.16	1.38	1.59	1.78	1.94	2.08	1.91	1.72	1.50	1.27	1.04	0.82	0.62	0.46	0.33	0.52	0.76
95	9.44	12.7	16.1	19.4	22.6	25.5	28.1	30.3	28.7	26.7	24.3	21.8	19.3	16.9	14.6	12.7	11.3	14.0	17.2
100	46.0	50.1	54.3	58.4	62.2	65.7	68.6	70.8	67.2	62.9	58.2	53.3	48.4	43.7	39.4	35.8	33.1	37.1	42.0
105	89.1	94.0	98.8	104	108	112	115	117	111	104	97.1	89.6	82.2	75.2	68.9	63.6	59.6	65.3	72.4
110	138	145	152	158	164	169	173	175	166	156	145	134	123	112	103	94.4	88.2	96.4	106
115	195	202	209	215	221	225	229	230	219	205	192	177	163	150	138	128	121	130	142
120	261	266	270	274	277	279	279	278	264	249	233	217	202	187	174	163	155	165	178
125	337	338	339	338	336	333	329	324	307	290	273	255	239	223	210	199	190	200	213
130	397	395	392	388	382	376	368	359	342	324	306	288	272	256	243	232	224	234	247
135	440	435	429	422	414	405	395	384	367	349	332	316	300	286	274	265	258	267	279
140	462	456	449	441	431	421	410	398	383	368	353	338	325	313	303	295	290	298	308
145	473	466	458	449	439	428	417	406	393	380	368	356	346	336	329	323	319	325	333
150	468	462	454	446	437	428	418	409	399	389	380	371	364	357	351	347	344	349	355
155	457	452	445	438	431	423	415	408	401	394	388	383	378	374	370	368	367	369	372
160	441	437	432	427	421	416	410	405	401	398	395	392	390	389	387	387	386	387	389
165	424	422	420	417	414	411	408	406	404	403	402	402	401	401	401	401	401	401	401
170	413	412	411	411	410	409	409	408	408	409	409	410	410	411	411	412	412	412	412
175	414	415	415	416	417	418	418	419	419	419	420	420	420	420	419	419	419	419	419
180	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420

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:0.1690A P:20.00W PF:0.9900 Freq:60.00Hz Lamp Flux:2816.03x1 lm																	
NAME: 2FT									TYPE:3500K 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	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489				
5	486	486	486	486	486	486	486	486	486	486	487	487	487	487	487				
10	478	478	478	478	478	478	478	478	479	479	479	480	480	481	481				
15	465	465	465	465	465	465	465	466	466	467	467	468	469	470	470				
20	448	448	448	448	448	448	448	448	449	450	450	451	452	453	454				
25	427	427	427	427	427	427	427	428	428	429	430	431	431	433	434				
30	402	402	402	402	402	402	402	403	403	404	405	406	407	408	410				
35	374	374	374	374	374	374	374	375	375	376	377	378	380	381	382				
40	343	343	343	343	343	343	343	344	344	345	346	348	349	350	352				
45	309	309	309	309	309	309	309	310	311	312	313	314	316	317	319				
50	273	273	273	274	274	274	274	275	276	276	277	279	280	281	283				
55	236	236	236	236	236	236	236	237	238	239	240	241	242	243	245				
60	198	198	197	197	197	197	197	198	198	199	200	202	203	205	206				
65	159	159	159	158	158	158	158	158	159	160	161	162	163	165	167				
70	120	120	119	119	118	118	118	119	120	120	122	123	124	126	128				
75	82.3	81.8	81.2	80.7	80.3	80.0	79.8	80.4	81.1	82.0	83.1	84.4	85.9	87.5	89.4				
80	46.7	46.1	45.6	45.0	44.6	44.2	44.0	44.5	45.1	45.9	46.9	48.1	49.5	51.0	52.8				
85	13.5	13.1	12.6	12.1	11.8	11.4	11.3	11.6	12.1	12.7	13.5	14.4	15.5	16.7	18.1				
90	1.02	1.31	1.62	1.93	2.24	2.53	2.80	2.92	3.00	3.06	3.08	3.07	3.03	2.96	2.85				
95	20.8	24.5	28.4	32.2	35.8	39.1	42.0	42.6	42.6	42.0	40.9	39.2	37.0	34.1	30.7				
100	47.6	53.6	59.9	66.2	72.4	78.3	83.5	85.2	86.2	86.3	85.7	84.3	82.1	79.2	75.4				
105	80.5	89.3	98.5	108	117	125	133	136	137	137	136	135	131	127	122				
110	118	131	144	157	170	183	194	197	199	200	199	196	191	185	177				
115	156	172	188	205	221	236	251	256	259	261	261	259	255	249	242				
120	192	209	226	244	262	280	297	305	311	316	320	322	322	321	318				
125	228	245	263	283	302	322	340	351	360	368	375	380	384	387	389				
130	262	279	298	317	337	358	377	389	400	410	419	427	435	441	446				
135	293	310	328	347	366	386	405	418	430	440	451	460	468	476	483				
140	321	335	351	367	385	402	419	431	442	452	462	471	479	487	495				
145	343	354	367	380	395	409	424	434	444	454	464	474	483	492	501				
150	362	370	380	390	401	412	424	433	442	451	460	469	478	488	497				
155	376	381	387	393	400	408	415	422	429	437	444	452	461	469	478				
160	391	393	396	399	403	407	411	416	420	425	431	436	442	448	455				
165	402	403	404	405	406	407	409	411	413	416	419	422	425	428	432				
170	412	412	412	412	412	412	412	412	413	414	414	415	416	417	418				
175	419	418	418	418	418	418	417	417	417	417	417	418	418	418	418				
180	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420				

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: