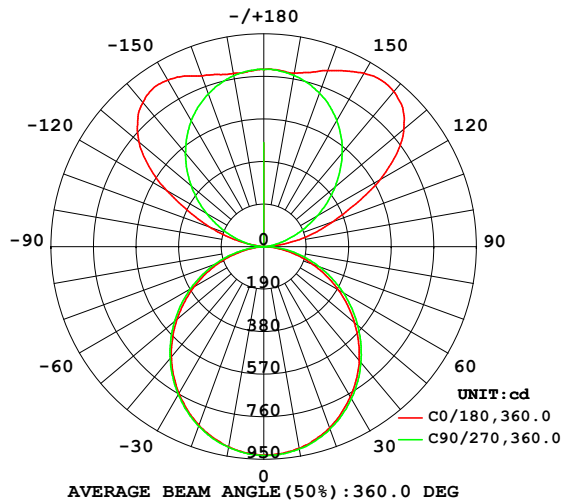


## LUMINAIRE PHOTOMETRIC TEST REPORT

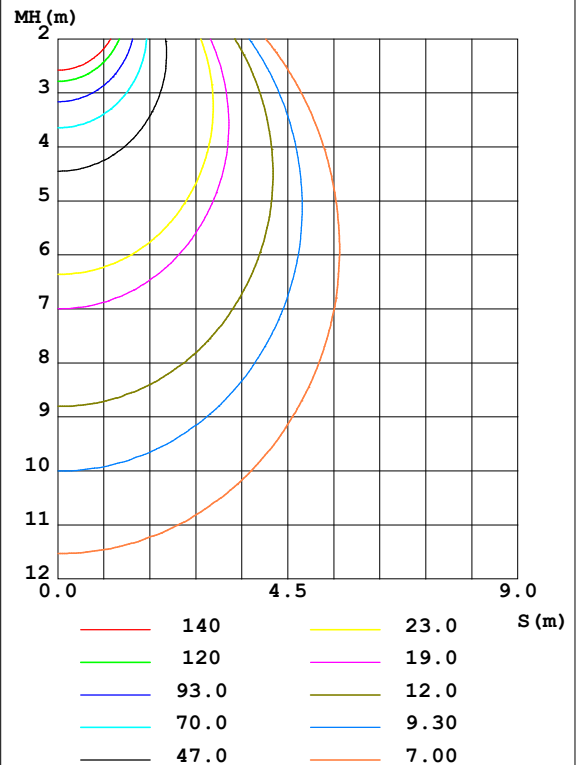
Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.92 lm/W			
MODEL		I <sub>max</sub> (cd)	933.3	S/MH(C0/180)	1.24
NOMINAL POWER(W)	40W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5300.7	η UP,DN(C0-180)	25.7,24.8
NOMINAL FLUX(lm)	5300.69	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.1,23.4
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:

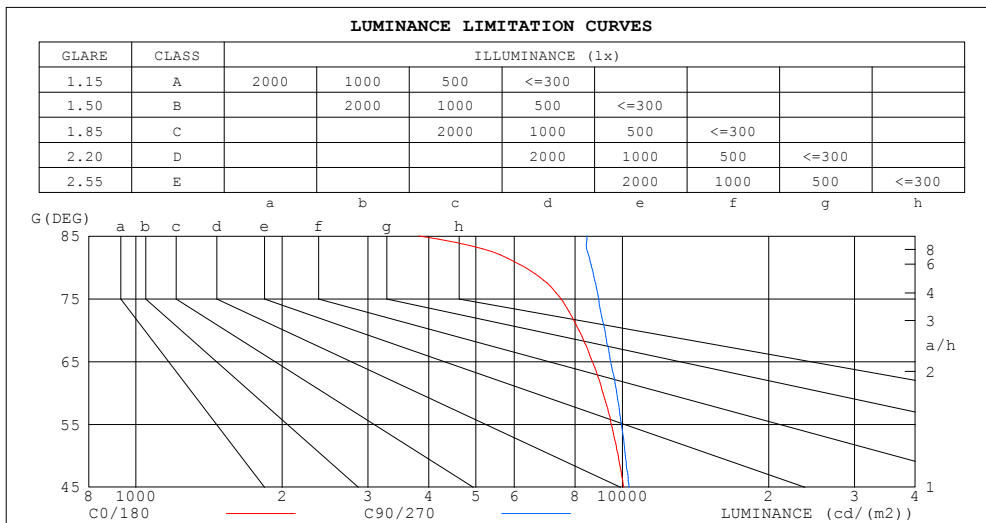
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	914.7	918.7	918.0	917.9	907.1	906.6	909.8	909.1	0- 10	88.00	88.00	1.66,1.66
20	860.8	867.4	866.3	866.1	847.8	846.1	852.3	849.9	10- 20	250.8	338.8	6.39,6.39
30	774.2	784.3	783.5	781.6	757.2	757.3	764.1	759.9	20- 30	376.4	715.2	13.5,13.5
40	663.5	676.4	675.5	672.7	642.4	642.0	651.1	646.7	30- 40	448.5	1164	22,22
50	529.5	548.5	547.7	546.4	505.6	510.9	520.9	515.7	40- 50	459.0	1623	30.6,30.6
60	383.2	404.9	409.1	402.5	360.0	365.4	379.6	369.2	50- 60	408.6	2031	38.3,38.3
70	234.0	257.2	264.4	254.6	212.0	217.4	234.4	220.7	60- 70	307.2	2339	44.1,44.1
80	92.15	113.4	126.2	111.5	70.23	77.88	95.60	80.54	70- 80	174.6	2513	47.4,47.4
90	3.876	6.164	5.785	5.631	1.278	4.435	1.645	5.873	80- 90	42.34	2555	48.2,48.2
100	131.9	135.0	40.63	96.92	54.73	130.6	63.03	165.8	90-100	41.73	2597	49,49
110	329.6	335.0	145.1	295.1	257.2	320.6	167.6	367.2	100-110	199.9	2797	52.8,52.8
120	601.1	526.9	277.1	490.1	498.8	500.5	292.9	550.9	110-120	369.3	3166	59.7,59.7
130	816.1	673.5	416.2	650.1	728.3	642.7	423.2	686.6	120-130	494.8	3661	69.1,69.1
140	904.1	746.1	545.3	735.2	840.6	715.2	544.6	746.7	130-140	524.8	4186	79,79
150	894.1	771.7	652.3	760.9	858.5	739.7	648.8	767.2	140-150	466.2	4652	87.8,87.8
160	837.2	772.9	729.3	770.3	812.1	757.5	725.6	765.3	150-160	354.4	5007	94.5,94.5
170	787.5	777.0	776.6	778.5	785.4	776.4	774.7	778.9	160-170	219.2	5226	98.6,98.6
180	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	170-180	74.97	5301	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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3820	8461
80	6318	8655
75	7486	8948
70	8146	9202
65	8682	9467
60	9124	9740
55	9491	9958
50	9806	10144
45	10070	10333

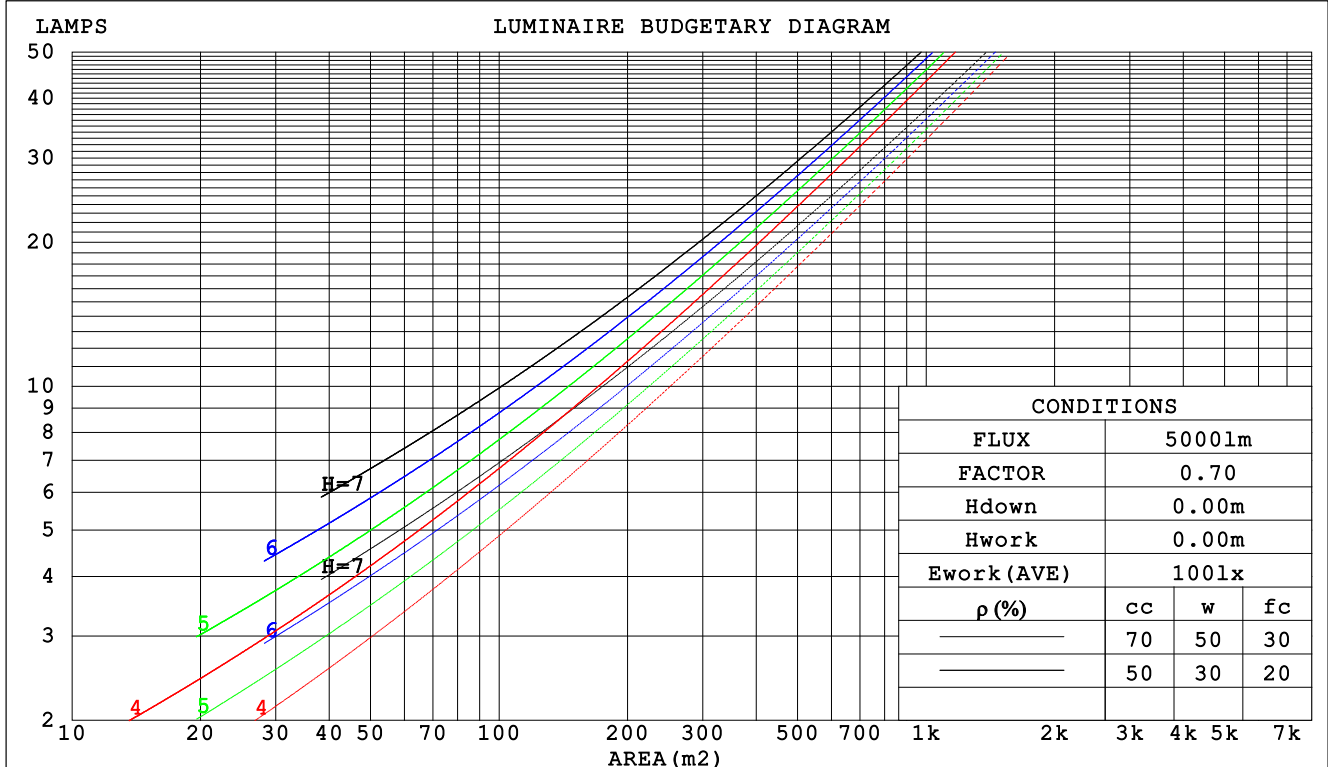
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*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	.60	.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	.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	.32	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.46	.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	.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	.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:

$\gamma$  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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm					
NAME: 4FT			TYPE:3000K 5.5		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.2*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	.051	.258	.147	.047	.215	.124	.039	.176	.102	.033	.140	.081	.026		
2.0	.261	.143	.044	.241	.133	.041	.202	.112	.035	.167	.093	.029	.134	.076	.024		
3.0	.242	.129	.039	.223	.120	.036	.188	.102	.031	.155	.085	.026	.125	.069	.021		
4.0	.224	.116	.034	.207	.108	.032	.174	.092	.028	.144	.077	.023	.116	.063	.019		
5.0	.208	.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	.167	.083	.024	.141	.071	.021	.117	.060	.017	.094	.049	.014		
8.0	.169	.082	.023	.156	.077	.022	.132	.066	.019	.110	.056	.016	.089	.045	.013		
9.0	.158	.077	.021	.147	.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	.554	.535	.493	.476	.460	.337	.327	.318	.194	.189	.185	.062	.061	.060	
2.0	.569	.533	.502	.487	.458	.434	.334	.317	.303	.192	.185	.178	.062	.060	.058	
3.0	.562	.517	.481	.482	.446	.417	.331	.310	.292	.191	.181	.172	.061	.059	.056	
4.0	.555	.505	.467	.476	.436	.405	.328	.304	.285	.189	.178	.169	.061	.058	.056	
5.0	.549	.496	.456	.471	.429	.397	.325	.300	.280	.188	.176	.166	.061	.057	.055	
6.0	.542	.488	.449	.466	.423	.391	.322	.296	.277	.187	.174	.165	.060	.057	.054	
7.0	.536	.482	.444	.461	.418	.387	.319	.293	.274	.185	.173	.163	.060	.057	.054	
8.0	.531	.477	.440	.457	.414	.383	.316	.290	.272	.184	.171	.162	.059	.056	.054	
9.0	.525	.472	.437	.453	.410	.381	.314	.288	.270	.183	.170	.161	.059	.056	.053	
10.0	.520	.469	.434	.449	.407	.379	.311	.286	.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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm											
NAME: 4FT					TYPE:3000K 5.5			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					SUR.:1.2*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	17.4	18.3	18.3	19.2	20.3	17.6	18.5	18.5	19.4	20.5
	3H	18.7	19.6	19.6	20.5	21.6	19.1	19.9	20.0	20.8	22.0
	4H	19.3	20.0	20.2	20.9	22.1	19.7	20.5	20.6	21.4	22.6
	6H	19.6	20.3	20.5	21.2	22.4	20.2	20.9	21.1	21.8	23.0
	8H	19.6	20.3	20.6	21.3	22.5	20.4	21.0	21.3	22.0	23.2
	12H	19.6	20.3	20.6	21.2	22.4	20.5	21.1	21.4	22.1	23.3
4H	2H	17.9	18.7	18.8	19.6	20.7	18.0	18.8	19.0	19.7	20.9
	3H	19.4	20.1	20.3	21.0	22.2	19.7	20.3	20.6	21.3	22.5
	4H	20.0	20.6	21.0	21.6	22.8	20.4	21.0	21.4	22.0	23.2
	6H	20.4	21.0	21.4	21.9	23.2	21.0	21.5	22.0	22.5	23.8
	8H	20.5	21.0	21.5	22.0	23.3	21.2	21.7	22.2	22.7	24.0
	12H	20.6	21.0	21.6	22.0	23.3	21.4	21.8	22.4	22.8	24.1
8H	4H	20.2	20.7	21.2	21.7	23.0	20.6	21.0	21.6	22.0	23.3
	6H	20.8	21.2	21.8	22.2	23.5	21.3	21.7	22.3	22.7	24.0
	8H	20.9	21.3	22.0	22.3	23.6	21.6	22.0	22.7	23.0	24.3
	12H	21.0	21.3	22.1	22.3	23.7	21.9	22.2	22.9	23.2	24.6
12H	4H	20.2	20.6	21.2	21.6	22.9	20.5	21.0	21.5	22.0	23.3
	6H	20.8	21.1	21.8	22.2	23.5	21.3	21.7	22.3	22.7	24.0
	8H	21.0	21.3	22.1	22.3	23.7	21.7	22.0	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 5301 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

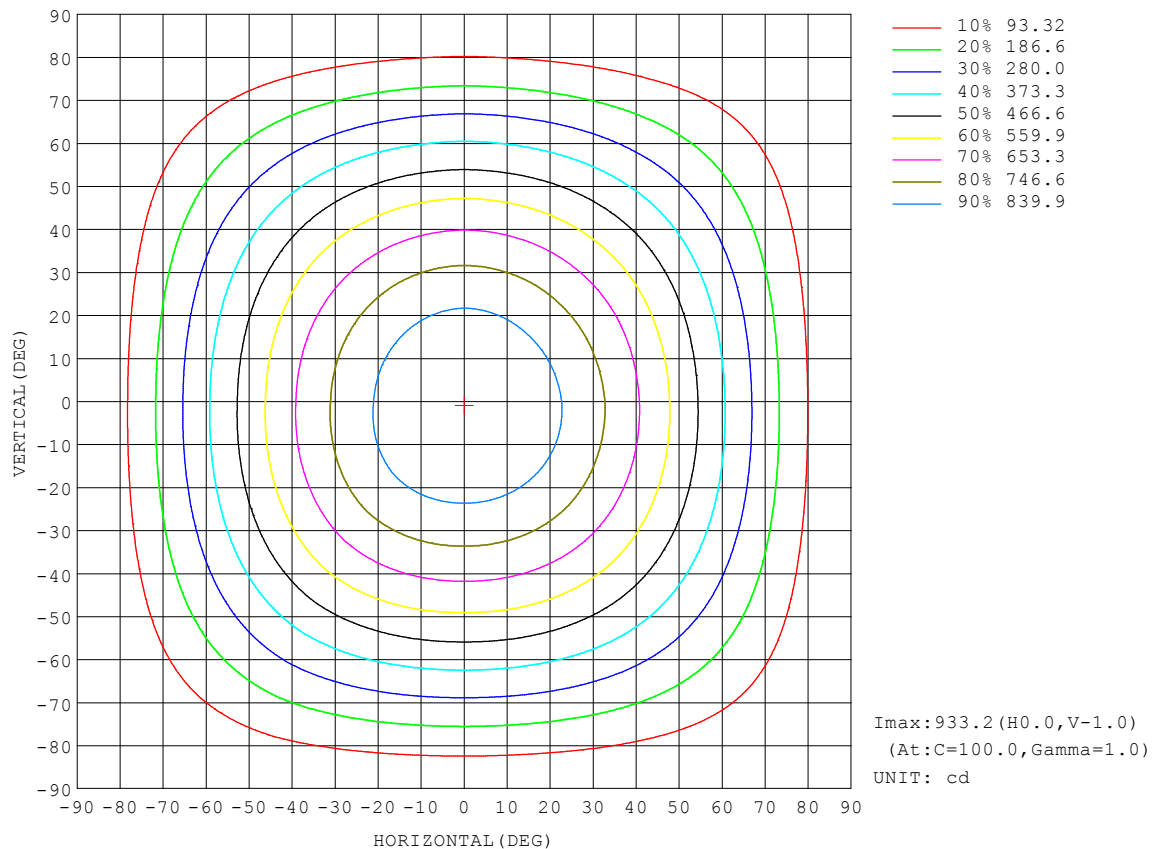
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	37	28	23	16
0.80	53	42	35	50	39	33	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	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:

$\gamma$  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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



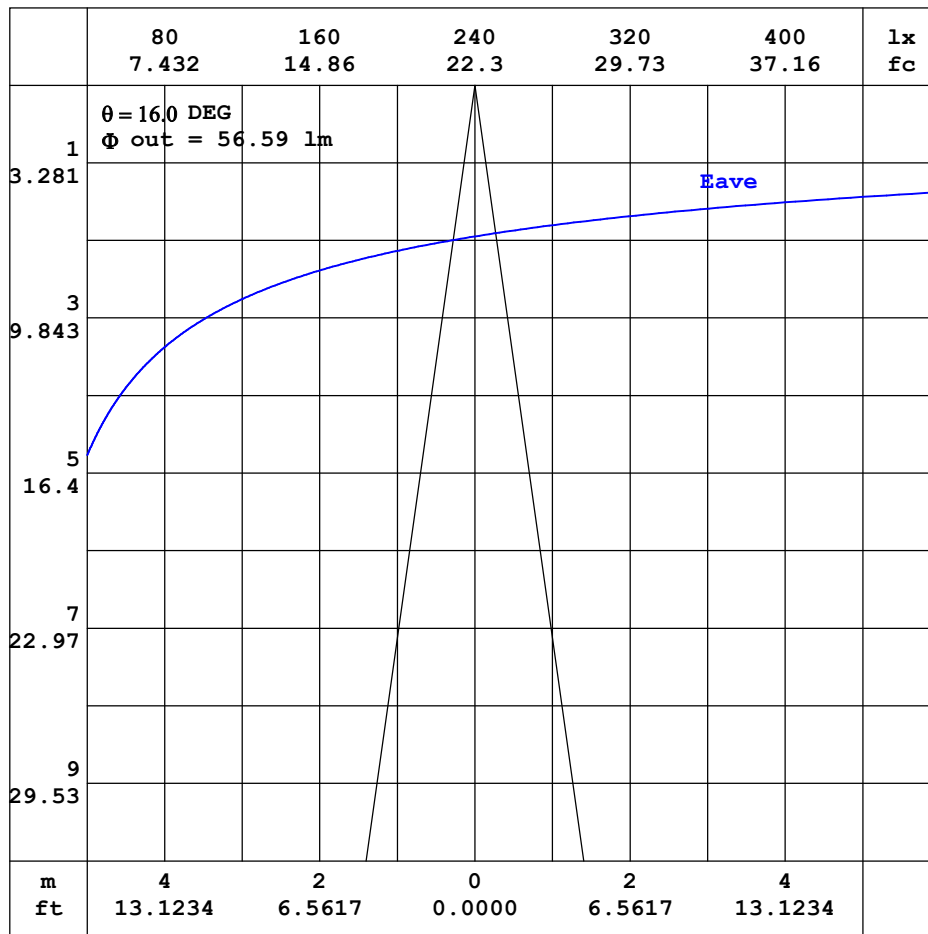
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



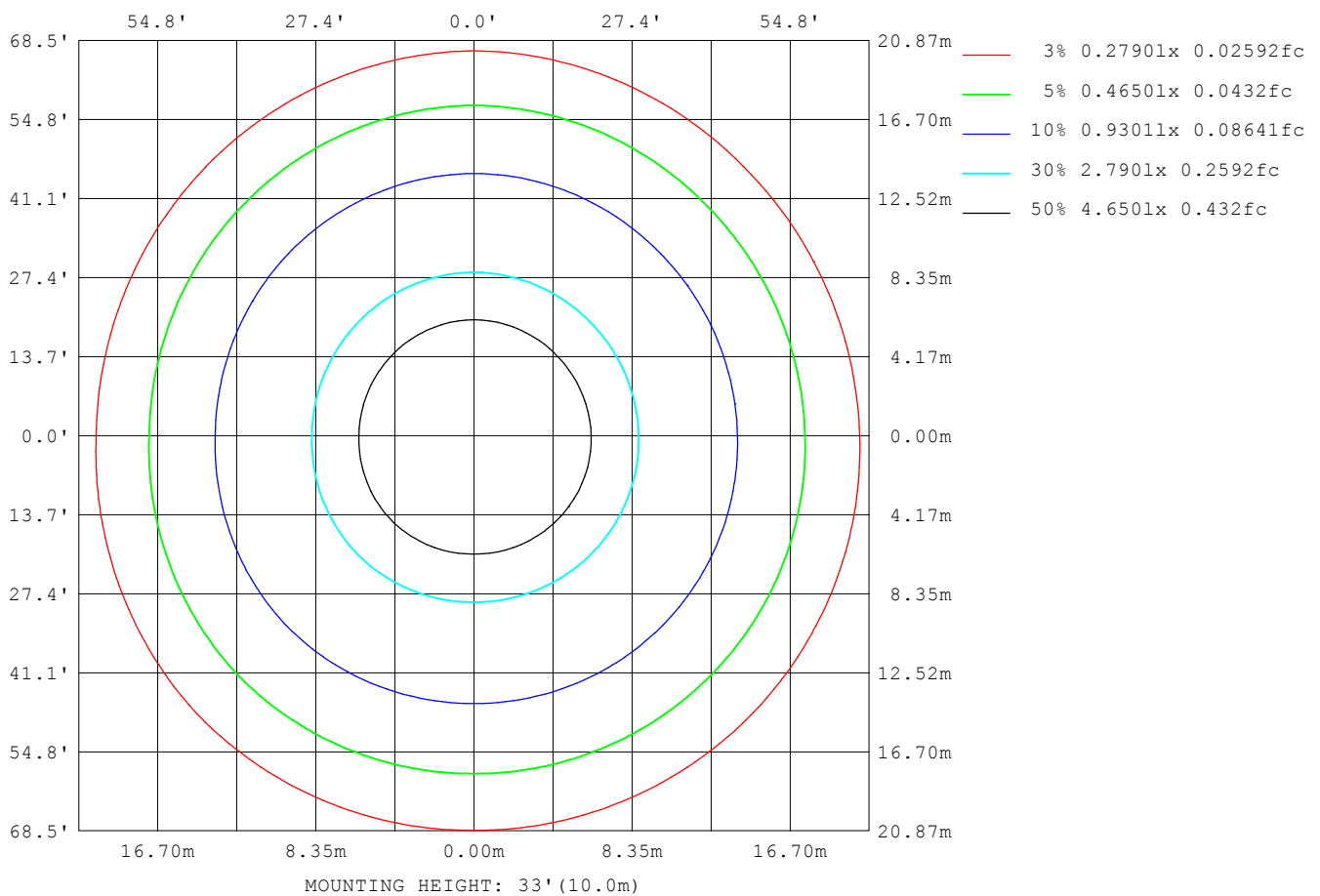
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*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:

### LED Avg.L Report

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

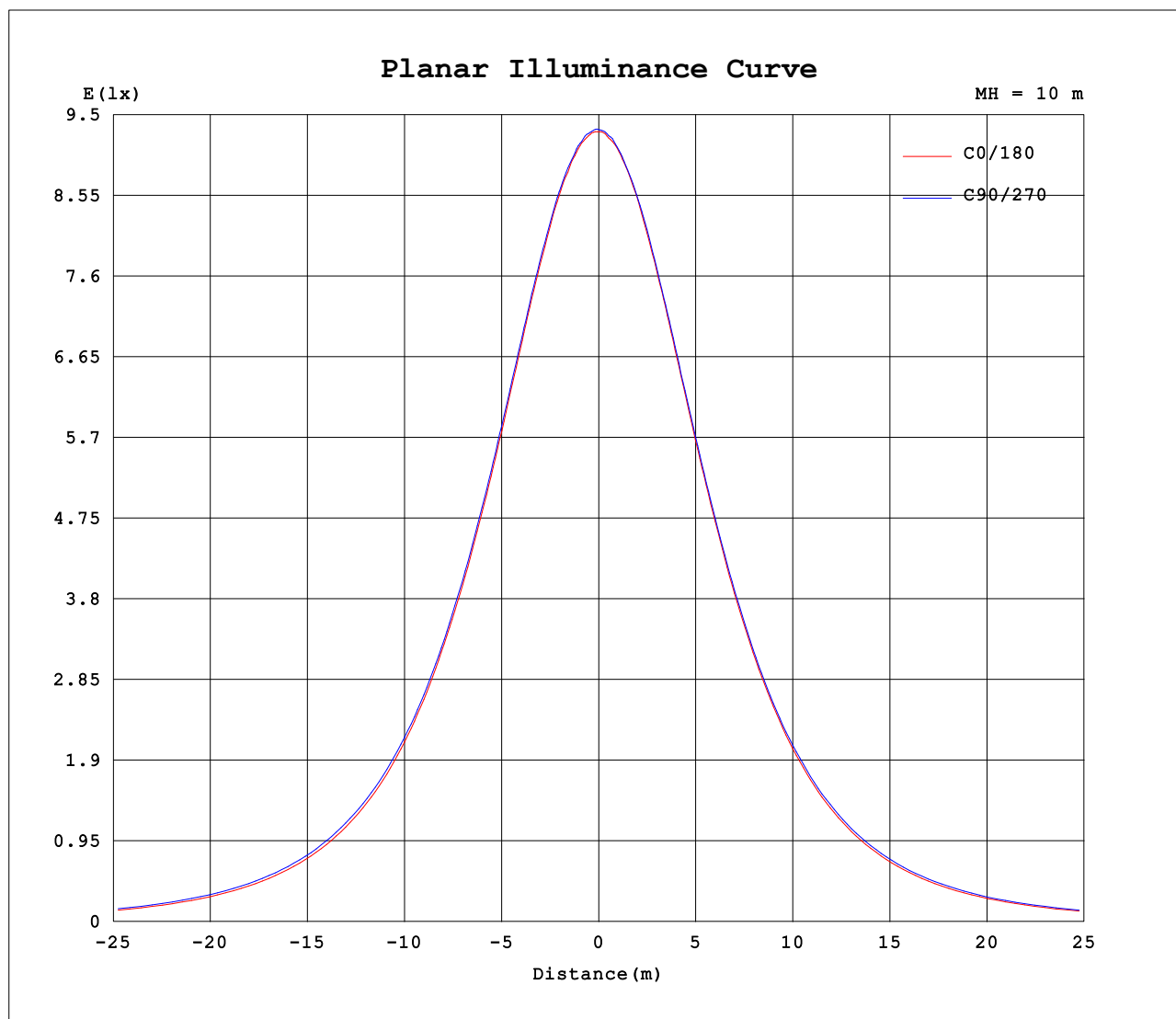
AvgL	cd/m2
L_0~180 (65) av	8367
L_0~180 (75) av	6933
L_0~180 (85) av	2734
L_90~270 (65) av	9052
L_90~270 (75) av	8259
L_90~270 (85) av	6458
L_45 (65) av	8773
L_45 (75) av	7621
L_45 (85) av	4397

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*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	930	930	930	930	931	931	931	931	931	931	931	931	932	932	932	932	932	932	933
5	927	928	928	929	929	929	929	930	930	930	930	930	930	930	930	929	929	929	929
10	915	915	916	917	917	917	918	918	918	919	919	919	919	919	919	918	918	918	918
15	892	892	893	894	895	895	896	896	896	897	897	897	897	897	897	897	897	897	896
20	861	862	863	864	865	865	866	867	867	867	868	868	867	867	867	867	867	867	866
25	821	822	824	825	826	826	827	828	828	829	829	829	829	829	829	829	829	828	828
30	774	776	777	779	780	781	782	783	784	784	785	785	785	785	785	784	784	784	783
35	722	724	725	727	728	729	730	731	732	733	733	733	733	733	733	733	733	733	732
40	664	666	668	669	671	672	674	675	676	676	677	677	677	677	677	677	676	676	676
45	598	601	603	606	608	609	611	612	614	615	615	615	615	615	615	615	615	614	614
50	529	533	535	538	540	542	544	546	547	549	549	549	549	549	549	549	549	548	548
55	457	461	464	467	469	472	474	476	477	479	480	480	481	481	481	481	481	480	480
60	383	386	390	392	395	397	400	402	403	405	406	407	408	409	409	409	409	409	409
65	308	312	315	318	321	324	326	328	330	332	333	334	335	336	336	336	336	336	336
70	234	237	241	244	246	249	251	253	255	257	259	260	261	262	263	264	264	264	264
75	163	166	169	172	174	177	179	181	183	185	187	189	190	192	193	193	194	194	195
80	92.2	94.9	97.6	100	103	105	107	109	111	113	116	118	120	121	123	124	125	126	126
85	28.0	30.5	32.9	35.3	37.5	39.8	41.9	44.0	46.0	47.9	50.2	52.4	54.4	56.3	58.0	59.4	60.6	61.4	61.9
90	3.88	4.26	4.61	4.93	5.22	5.48	5.70	5.89	6.04	6.16	6.20	6.21	6.19	6.15	6.10	6.03	5.95	5.87	5.79
95	37.3	39.4	41.1	42.4	43.3	43.7	43.7	43.2	42.3	41.0	38.0	34.7	31.1	27.4	23.6	19.8	16.1	12.6	9.39
100	132	137	141	144	145	146	145	143	139	135	125	114	102	90.3	78.7	67.6	57.3	48.2	40.6
105	229	236	241	244	246	246	244	241	236	229	213	196	178	160	143	126	111	98.0	87.4
110	330	340	348	353	356	357	355	351	344	335	314	291	267	243	219	197	177	159	145
115	453	461	467	470	471	469	464	457	447	435	409	381	352	324	296	269	246	226	210
120	601	601	600	596	590	582	571	559	544	527	496	464	432	400	369	340	315	294	277
125	724	719	711	702	691	678	663	646	628	608	575	540	506	472	440	411	385	363	347
130	816	806	794	781	767	751	734	715	695	673	639	605	571	537	506	477	452	432	416
135	877	864	849	833	817	799	781	761	741	719	687	655	623	592	563	537	514	496	482
140	904	889	873	856	839	822	804	785	766	746	718	690	663	636	612	590	571	556	545
145	910	894	878	862	846	830	813	797	780	763	740	717	695	674	654	637	622	610	602
150	894	880	867	853	839	826	812	799	785	772	754	737	720	705	691	678	667	658	652
155	866	856	846	836	826	816	806	796	787	777	765	753	742	731	721	712	705	699	695
160	837	829	821	814	806	799	792	785	779	773	766	759	753	747	742	738	734	731	729
165	805	801	797	793	789	786	783	779	776	774	771	768	765	763	761	760	758	757	757
170	787	786	784	783	782	780	779	778	778	777	777	776	776	776	776	776	776	776	777
175	791	791	791	791	791	791	791	791	791	791	790	790	790	790	789	789	789	789	789
180	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*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	933	933	933	933	932	932	932	932	932	932	932	931	931	931	931	930	930	930	930
5	929	930	930	930	930	930	930	930	930	930	929	929	928	927	926	926	925	924	924
10	918	918	918	919	919	919	918	918	918	917	916	914	913	912	911	909	908	907	907
15	897	897	897	897	898	898	897	897	897	895	894	892	890	888	887	885	883	882	881
20	867	867	867	867	867	867	867	867	866	864	862	860	858	856	854	852	850	848	847
25	829	829	829	829	830	829	829	829	828	826	824	821	818	816	813	811	808	806	805
30	784	784	784	784	784	784	783	782	782	779	776	774	771	768	765	762	760	757	756
35	733	733	733	733	733	733	733	732	731	728	725	722	718	715	712	709	706	703	702
40	676	676	676	676	676	675	675	674	673	670	666	663	659	656	652	649	645	642	641
45	614	615	615	615	615	614	614	613	612	608	604	600	595	591	587	583	579	576	575
50	548	549	549	550	550	549	549	548	546	542	538	533	528	523	518	514	509	506	505
55	480	480	480	480	480	479	479	477	475	471	466	462	457	452	447	442	438	434	433
60	409	409	409	409	408	407	406	405	402	398	393	388	383	378	373	368	364	360	359
65	336	336	336	336	335	334	333	331	329	324	319	314	309	304	299	294	290	286	285
70	264	264	264	263	262	261	259	257	255	250	245	240	235	230	225	220	216	212	211
75	194	194	193	193	191	190	188	185	183	178	173	167	162	157	152	147	143	139	138
80	126	125	124	123	121	119	117	114	111	107	102	97.0	91.9	87.0	82.3	77.8	73.8	70.2	69.4
85	61.4	60.5	59.2	57.7	55.8	53.6	51.2	48.6	45.7	41.8	37.7	33.6	29.5	25.6	21.7	18.2	14.9	12.1	11.2
90	5.84	5.89	5.93	5.95	5.96	5.93	5.87	5.77	5.63	5.14	4.61	4.07	3.52	2.98	2.47	2.01	1.61	1.28	1.50
95	8.38	7.69	7.29	7.13	7.17	7.35	7.65	8.00	8.36	7.35	6.36	5.46	4.68	4.10	3.76	3.72	4.04	4.76	8.30
100	44.0	48.9	55.0	61.9	69.3	76.8	84.2	91.0	96.9	93.1	88.4	83.1	77.5	71.8	66.4	61.5	57.5	54.7	62.1
105	94.0	103	114	127	140	154	168	181	192	191	188	184	179	174	168	163	159	156	163
110	155	168	183	201	220	240	259	278	295	295	293	289	284	279	273	267	262	257	265
115	222	238	257	280	303	328	352	376	397	399	399	396	392	387	382	376	370	365	372
120	290	308	330	354	381	409	437	464	490	498	503	506	507	508	506	504	502	499	503
125	361	379	402	429	457	488	518	548	577	590	601	610	617	622	625	627	628	627	628
130	430	448	471	498	527	557	589	620	650	667	681	694	705	713	720	725	728	728	726
135	494	512	533	558	585	613	643	672	701	719	736	751	764	775	784	790	795	797	792
140	556	570	589	610	633	658	684	710	735	754	771	787	801	814	824	832	838	841	835
145	610	622	636	653	671	691	712	733	755	772	789	805	820	832	843	852	859	862	855
150	657	665	675	687	700	714	729	745	761	776	791	805	818	830	840	848	855	858	851
155	698	703	709	716	725	734	744	755	766	777	788	798	808	817	825	832	837	840	835
160	731	734	738	742	747	752	758	764	770	777	783	789	795	800	804	808	810	812	809
165	758	759	760	762	764	766	768	771	774	777	780	783	786	789	792	794	795	796	794
170	777	777	777	777	777	777	778	778	778	779	780	781	782	783	784	785	785	785	785
175	788	788	788	788	788	788	788	788	788	787	787	787	787	787	786	786	786	786	786
180	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*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	930	930	930	930	931	931	931	931	931	931	932	932	932	932	932	932	933	933	933
5	924	924	924	924	924	924	924	924	924	925	925	925	925	925	926	926	926	926	926
10	906	906	906	906	906	906	906	907	907	907	908	908	908	909	909	910	910	910	910
15	881	880	880	880	880	880	881	881	882	882	883	883	884	884	885	886	886	886	886
20	846	846	845	845	845	845	846	846	847	847	848	849	850	850	851	852	852	852	852
25	804	804	803	803	803	804	804	805	805	806	807	808	808	809	810	811	811	811	811
30	756	755	755	755	756	756	757	757	758	759	760	761	761	762	763	764	764	764	763
35	701	700	700	700	700	701	701	702	703	704	705	706	706	707	708	709	710	709	709
40	640	640	640	640	640	641	641	642	643	644	645	646	647	648	649	650	651	651	650
45	574	574	574	575	576	576	578	579	580	581	582	583	584	585	586	587	587	587	586
50	504	504	505	506	507	508	509	511	512	513	515	516	517	518	519	520	521	520	520
55	432	432	432	433	434	435	437	438	440	442	443	445	446	448	449	450	451	451	450
60	358	358	359	360	361	362	364	365	367	369	371	373	374	376	377	379	380	379	378
65	284	284	284	285	286	288	289	291	293	295	297	299	301	303	304	306	307	306	304
70	210	210	211	211	213	214	216	217	220	222	224	226	228	230	232	233	234	233	232
75	137	137	138	139	140	142	144	146	148	151	153	155	158	160	162	163	165	163	162
80	69.1	69.3	69.9	70.9	72.3	73.9	75.8	77.9	80.1	82.5	84.8	87.1	89.2	91.2	93.0	94.5	95.6	94.5	93.0
85	10.8	10.7	11.1	11.7	12.7	13.9	15.3	16.9	18.8	20.8	22.9	24.9	26.9	28.7	30.3	31.6	32.6	31.5	30.1
90	1.80	2.16	2.55	2.97	3.38	3.77	4.13	4.43	4.18	3.87	3.53	3.16	2.79	2.44	2.11	1.85	1.64	2.01	2.44
95	12.2	16.3	20.5	24.7	28.8	32.6	36.0	38.9	37.4	35.5	33.2	30.8	28.5	26.3	24.5	23.1	22.5	27.6	33.4
100	70.6	79.8	89.4	99.0	108	117	124	131	124	117	108	99.6	90.7	82.1	74.4	67.9	63.0	71.6	82.0
105	172	181	190	199	207	215	220	224	213	199	185	170	156	142	130	120	112	124	138
110	274	283	292	300	308	314	318	321	304	285	266	246	226	208	191	178	168	183	202
115	380	387	395	401	407	411	413	412	391	369	345	320	297	275	256	240	228	246	268
120	507	510	512	514	513	511	507	500	475	449	421	394	368	344	323	305	293	311	334
125	627	626	623	618	611	603	593	580	552	523	493	464	436	411	389	371	359	376	399
130	722	717	709	699	688	674	659	643	614	584	554	525	498	473	452	435	423	440	462
135	786	777	766	753	738	722	704	685	658	630	603	576	552	529	511	496	486	500	519
140	826	815	802	788	771	754	735	715	691	667	643	620	599	581	565	553	545	556	572
145	845	833	819	804	787	769	750	731	711	691	673	655	639	625	614	605	599	608	620
150	842	831	818	804	788	772	756	740	725	711	697	685	674	665	657	652	649	655	664
155	827	819	809	798	786	774	762	750	740	730	721	713	706	700	696	692	691	695	700
160	804	799	793	786	779	772	765	757	752	747	742	738	734	731	728	727	726	727	730
165	792	789	786	782	779	775	771	767	765	763	761	759	757	756	755	754	754	754	754
170	784	783	782	781	780	779	777	776	776	775	775	775	775	775	775	775	775	775	775
175	787	787	787	788	788	789	789	789	789	789	789	789	789	788	788	788	788	788	788
180	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5300.69x1 lm																	
NAME: 4FT									TYPE:3000K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*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	933	933	932	932	932	932	932	932	932	932	931	931	931	931	930				
5	926	925	925	925	925	925	925	925	925	926	926	926	926	927	927				
10	910	909	909	909	909	909	909	909	910	910	911	911	912	913	914				
15	885	885	885	885	884	884	884	884	885	886	886	887	888	889	890				
20	851	851	851	850	850	850	850	850	851	852	853	854	856	857	859				
25	810	810	809	809	809	809	809	809	810	811	812	814	815	817	819				
30	762	762	761	761	760	760	760	761	761	763	764	766	767	769	772				
35	708	708	707	706	706	706	706	707	708	709	711	712	714	717	719				
40	649	649	648	647	647	647	647	648	649	650	652	653	656	658	661				
45	586	585	584	584	583	583	583	583	584	586	587	589	591	593	595				
50	519	518	518	517	516	516	516	516	517	518	519	521	523	525	527				
55	449	448	447	446	445	444	443	444	444	445	447	448	450	452	455				
60	376	375	374	372	371	370	369	370	370	371	372	374	376	378	380				
65	303	301	300	298	297	295	294	295	295	296	297	299	301	303	305				
70	230	229	227	225	223	222	221	221	221	222	223	225	227	229	231				
75	160	158	156	154	152	150	149	149	149	150	151	153	155	157	160				
80	91.3	89.4	87.5	85.5	83.7	82.0	80.5	80.5	80.8	81.4	82.4	83.7	85.3	87.3	89.5				
85	28.5	26.8	25.0	23.1	21.4	19.8	18.4	18.3	18.4	18.9	19.7	20.8	22.1	23.8	25.7				
90	2.93	3.44	3.98	4.50	5.01	5.47	5.87	5.96	5.97	5.90	5.75	5.53	5.23	4.86	4.41				
95	39.5	45.9	52.2	58.3	64.0	69.1	73.2	73.5	72.7	70.9	67.9	64.0	58.9	52.7	45.5				
100	93.5	106	119	132	144	155	166	169	170	170	168	164	158	151	142				
105	155	173	191	210	229	246	262	267	270	271	270	266	260	252	242				
110	224	248	273	298	323	346	367	375	379	381	380	376	368	358	346				
115	293	321	350	379	409	437	463	474	482	487	489	488	484	476	466				
120	360	390	422	455	488	520	551	567	580	591	599	604	607	608	606				
125	427	457	490	524	559	594	628	647	664	679	692	703	711	718	722				
130	488	517	549	583	618	653	687	708	727	745	761	775	788	799	808				
135	543	569	598	629	661	694	725	747	767	786	804	821	836	851	865				
140	591	613	638	664	691	719	747	766	785	804	822	840	857	873	889				
145	635	653	672	693	715	737	760	777	794	811	828	845	861	878	894				
150	675	688	702	717	733	750	767	781	795	809	823	837	851	865	880				
155	707	715	724	734	745	756	768	778	788	798	809	820	831	843	854				
160	733	737	741	747	752	759	765	772	778	786	793	801	810	818	828				
165	755	756	758	760	762	764	767	770	774	777	781	785	790	795	800				
170	776	776	776	777	778	778	779	780	780	781	782	783	784	785	786				
175	789	789	789	790	790	790	791	791	791	791	791	791	791	791	791				
180	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789				

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: