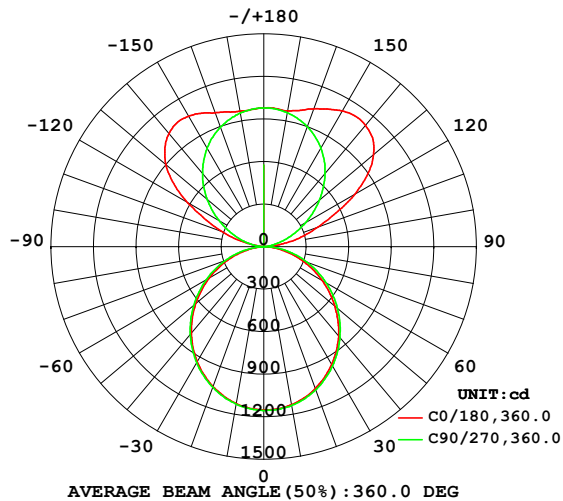


## LUMINAIRE PHOTOMETRIC TEST REPORT

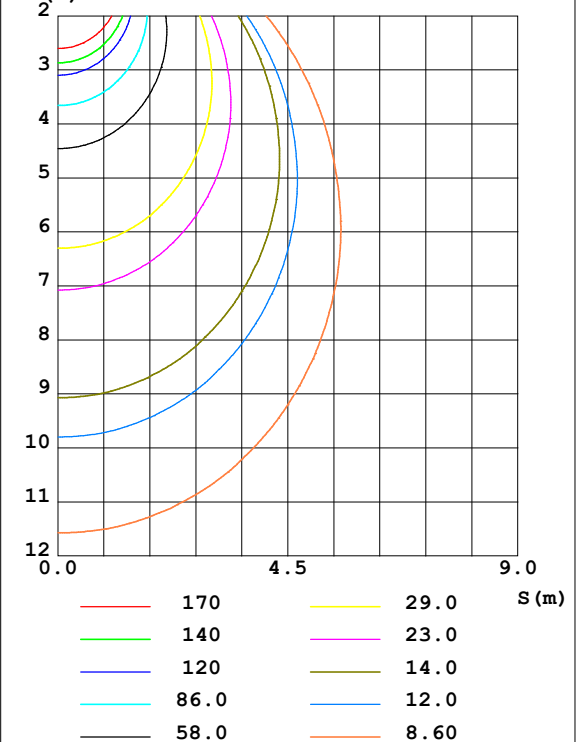
Test:U:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.26 lm/W			
MODEL		I <sub>max</sub> (cd)	1157	S/MH(C0/180)	1.24
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6556.5	η UP,DN(C0-180)	25.6,24.9
NOMINAL FLUX(lm)	6556.53	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.1,23.5
LAMPS INSIDE	1	η up(%)	51.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	48.3	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:

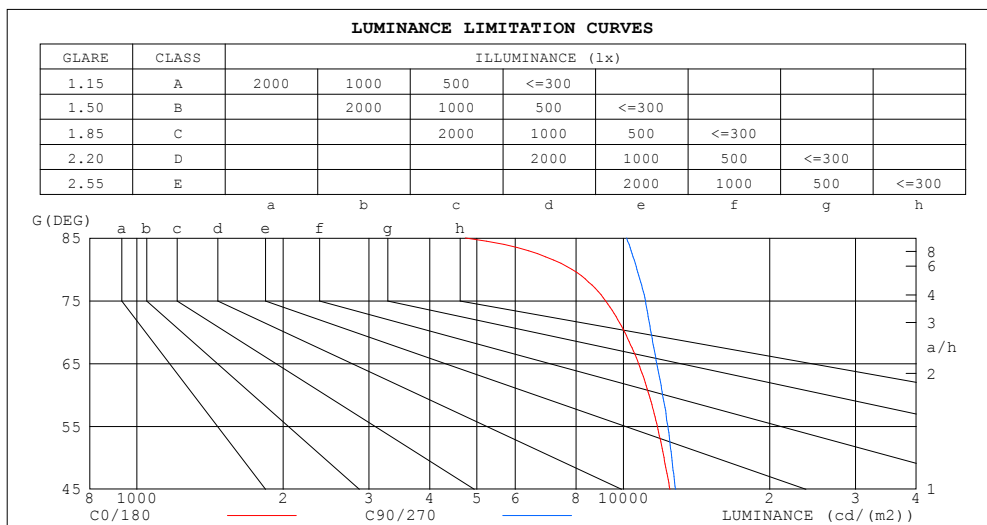
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1130	1138	1137	1137	1123	1126	1128	1126	0- 10	109.1	109.1	1.66,1.66
20	1064	1076	1074	1072	1050	1051	1054	1054	10- 20	310.8	419.9	6.4,6.4
30	957.7	973.8	970.2	970.7	938.4	938.1	947.0	942.9	20- 30	466.6	886.5	13.5,13.5
40	822.5	838.5	836.6	833.6	796.1	797.4	807.9	801.3	30- 40	555.9	1442	22,22
50	654.6	680.8	679.3	677.0	627.3	633.7	644.5	639.4	40- 50	569.1	2011	30.7,30.7
60	474.7	503.4	506.0	499.2	444.8	453.1	469.7	458.0	50- 60	506.6	2518	38.4,38.4
70	289.2	318.7	327.7	315.5	262.4	269.2	290.9	273.9	60- 70	380.7	2899	44.2,44.2
80	114.4	141.8	155.6	139.2	87.10	96.74	118.6	99.78	70- 80	216.6	3115	47.5,47.5
90	4.623	7.735	6.596	7.001	1.617	5.299	2.041	7.251	80- 90	52.31	3168	48.3,48.3
100	163.7	166.5	50.12	120.0	68.39	162.4	76.60	204.3	90-100	51.71	3219	49.1,49.1
110	407.9	413.1	180.3	363.9	317.8	395.4	207.1	453.3	100-110	247.0	3466	52.9,52.9
120	744.1	649.2	342.3	605.1	617.6	617.0	360.7	680.1	110-120	455.9	3922	59.8,59.8
130	1011	830.6	513.5	801.8	902.1	792.5	522.6	846.1	120-130	610.9	4533	69.1,69.1
140	1117	919.4	672.7	906.2	1040	881.7	673.5	920.9	130-140	647.9	5181	79,79
150	1105	950.6	805.6	939.1	1062	911.8	801.1	945.3	140-150	575.3	5756	87.8,87.8
160	1035	952.4	900.1	949.9	1004	933.3	896.4	943.3	150-160	437.3	6194	94.5,94.5
170	972.0	957.3	959.0	958.7	970.0	956.4	956.7	960.3	160-170	270.3	6464	98.6,98.6
180	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	170-180	92.49	6557	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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



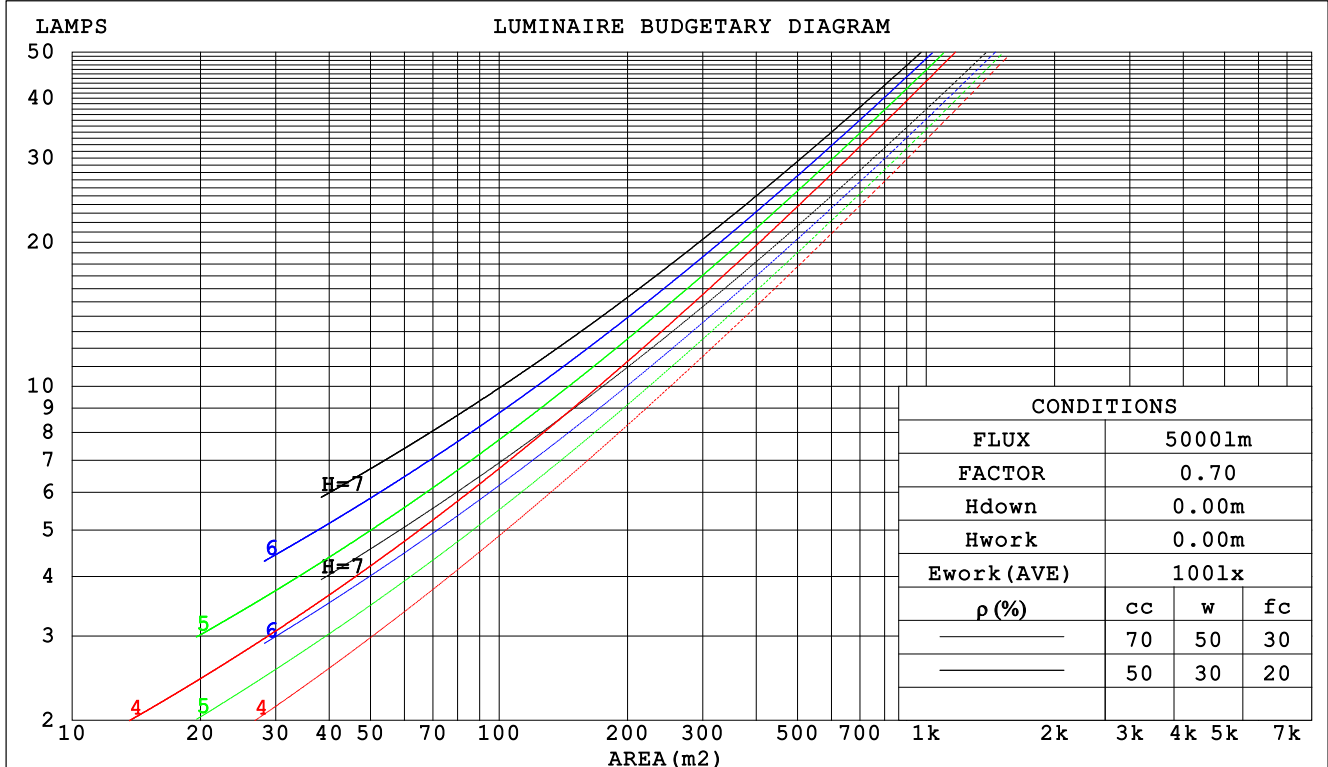
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	.55	.55	.55	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.70	.68	.60	.58	.56	.48	.47	.46	.41
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	.29
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	.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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	.177	.102	.033	.141	.082	.026		
2.0	.261	.143	.044	.241	.133	.041	.202	.113	.035	.167	.094	.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	.046	.013		
9.0	.158	.077	.021	.147	.071	.020	.124	.061	.017	.103	.052	.015	.084	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.098	.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	.584	.584	.584	.499	.499	.499	.341	.341	.341	.196	.196	.196	.063	.063	.063	
1.0	.575	.553	.534	.492	.475	.459	.337	.327	.318	.194	.189	.185	.062	.061	.060	
2.0	.568	.532	.501	.486	.458	.433	.333	.317	.302	.192	.184	.177	.062	.060	.058	
3.0	.561	.516	.480	.481	.445	.416	.330	.309	.292	.191	.181	.172	.061	.059	.056	
4.0	.554	.504	.466	.476	.436	.405	.327	.304	.285	.189	.178	.169	.061	.058	.055	
5.0	.548	.495	.456	.470	.428	.396	.324	.299	.280	.188	.176	.166	.060	.057	.055	
6.0	.542	.487	.448	.465	.422	.390	.321	.295	.276	.186	.174	.164	.060	.057	.054	
7.0	.536	.481	.443	.461	.417	.386	.318	.292	.274	.185	.172	.163	.060	.056	.054	
8.0	.530	.476	.439	.456	.413	.383	.316	.290	.272	.184	.171	.162	.059	.056	.054	
9.0	.525	.472	.436	.452	.409	.380	.313	.288	.270	.182	.170	.161	.059	.056	.053	
10.0	.520	.468	.433	.448	.406	.378	.311	.286	.269	.181	.169	.160	.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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	18.2	19.1	19.0	20.0	21.1	18.4	19.3	19.2	20.2	21.3
3H	19.5	20.3	20.4	21.2	22.4	19.8	20.7	20.7	21.6	22.7
4H	20.0	20.8	20.9	21.7	22.9	20.5	21.2	21.4	22.2	23.3
6H	20.3	21.0	21.2	22.0	23.2	20.9	21.7	21.9	22.6	23.8
8H	20.4	21.1	21.3	22.0	23.2	21.1	21.8	22.0	22.7	23.9
12H	20.4	21.0	21.3	22.0	23.2	21.2	21.9	22.2	22.8	24.0
4H 2H	18.6	19.4	19.5	20.3	21.5	18.8	19.6	19.7	20.5	21.7
3H	20.1	20.8	21.1	21.7	23.0	20.4	21.1	21.4	22.0	23.3
4H	20.8	21.4	21.7	22.3	23.6	21.2	21.8	22.2	22.7	24.0
6H	21.2	21.7	22.2	22.7	24.0	21.8	22.3	22.8	23.3	24.6
8H	21.3	21.8	22.3	22.8	24.0	22.0	22.5	23.0	23.5	24.8
12H	21.3	21.7	22.3	22.7	24.0	22.1	22.6	23.2	23.6	24.9
8H 4H	21.0	21.4	22.0	22.4	23.7	21.3	21.8	22.3	22.8	24.1
6H	21.5	21.9	22.5	22.9	24.2	22.1	22.5	23.1	23.5	24.8
8H	21.7	22.0	22.7	23.1	24.4	22.4	22.7	23.4	23.7	25.1
12H	21.8	22.1	22.8	23.1	24.4	22.6	22.9	23.7	23.9	25.3
12H 4H	20.9	21.4	21.9	22.4	23.7	21.3	21.7	22.3	22.7	24.0
6H	21.6	21.9	22.6	22.9	24.3	22.1	22.4	23.1	23.4	24.8
8H	21.8	22.1	22.8	23.1	24.4	22.4	22.7	23.5	23.7	25.1
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 6557 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.5)

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

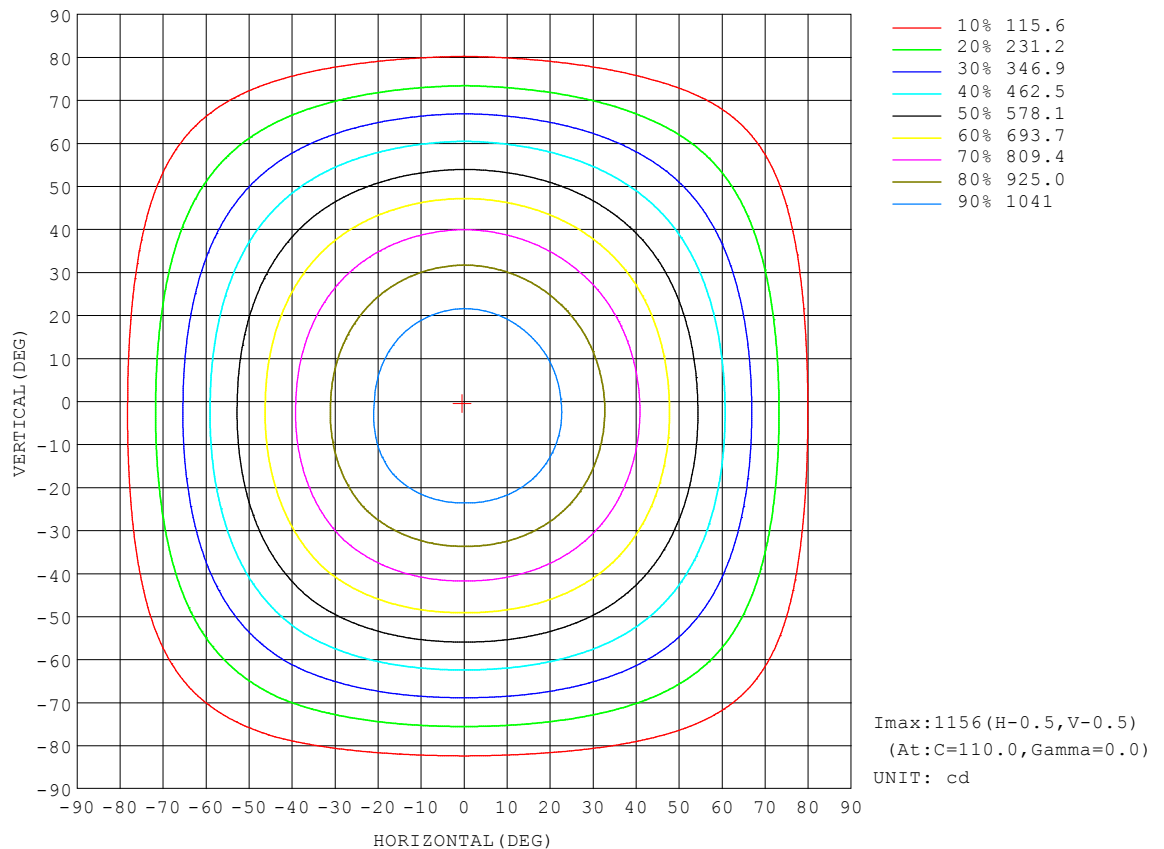
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	37	28	24	16
0.80	53	42	35	50	39	33	44	35	30	20
1.00	61	49	42	57	47	40	49	43	36	24
1.25	68	57	49	63	53	47	55	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:

$\gamma$  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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



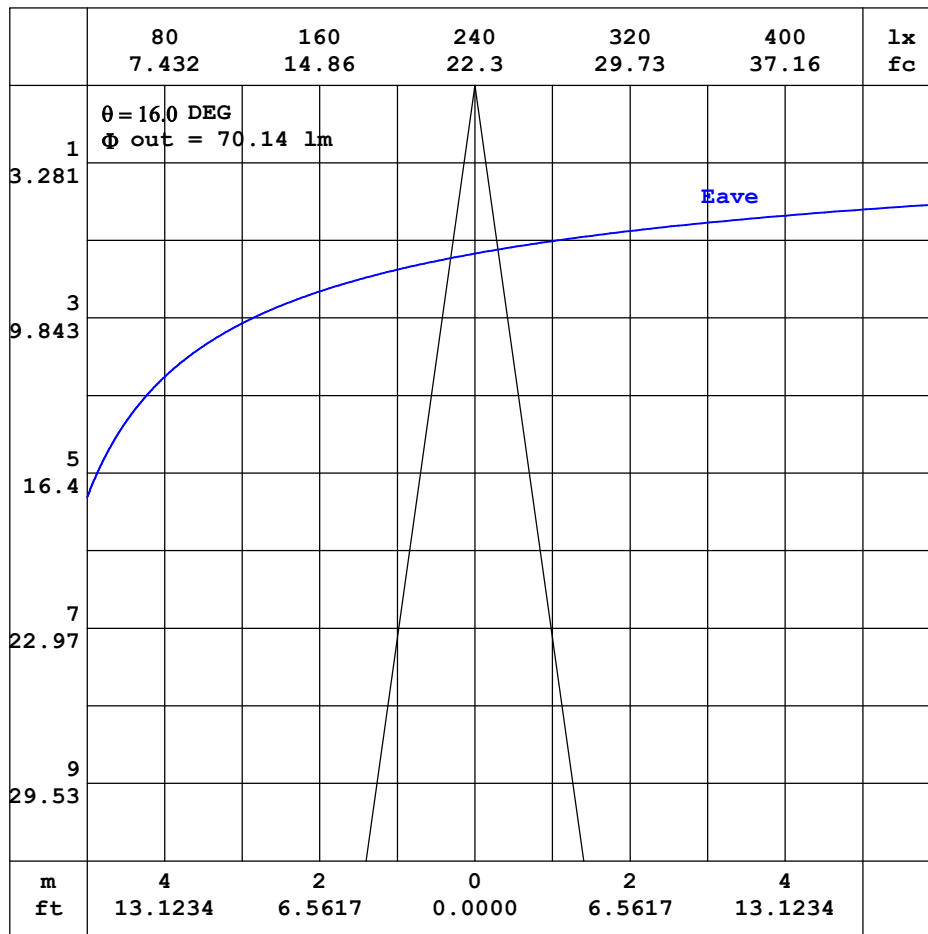
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



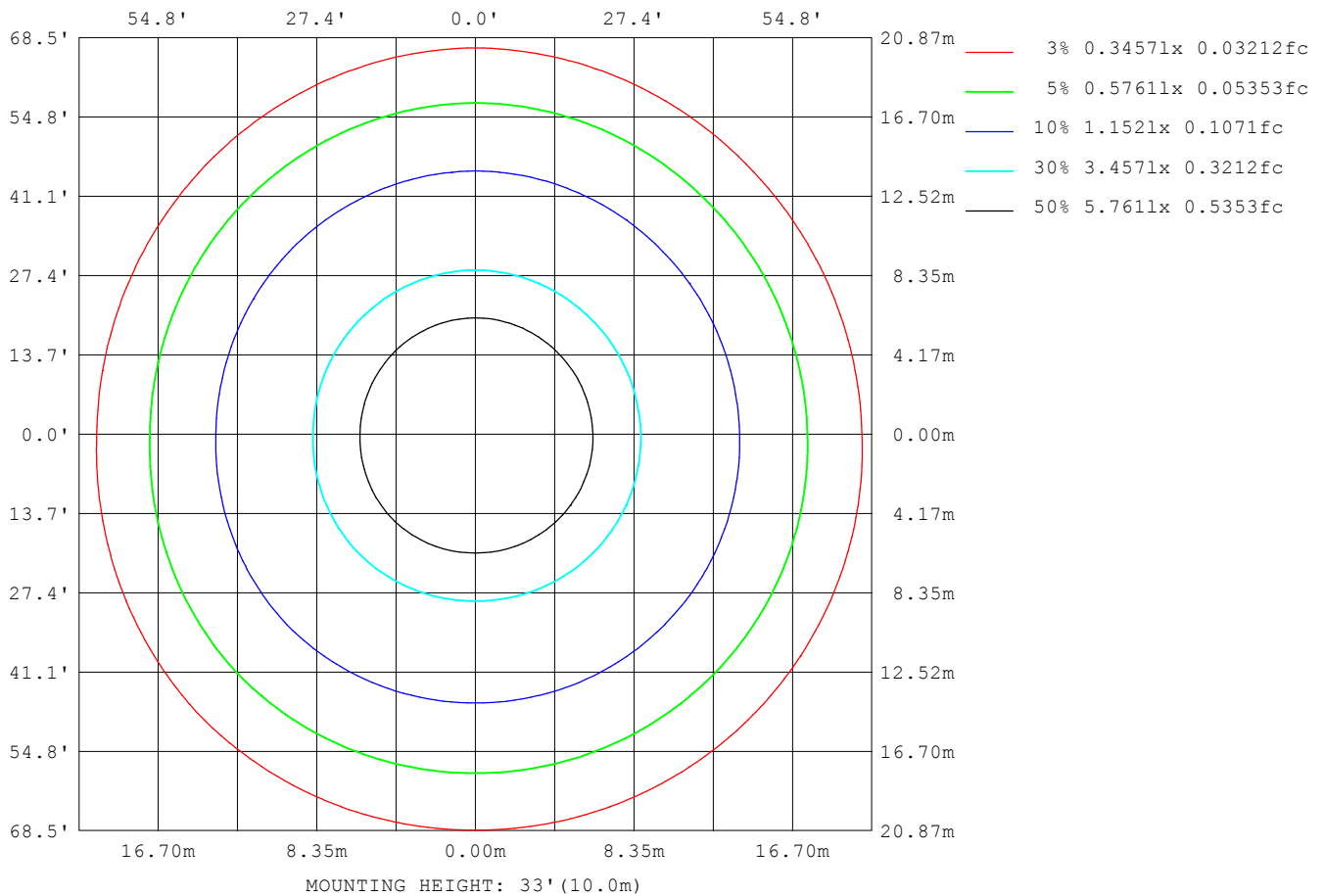
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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:

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 lm		
NAME: 4FT	TYPE:3000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

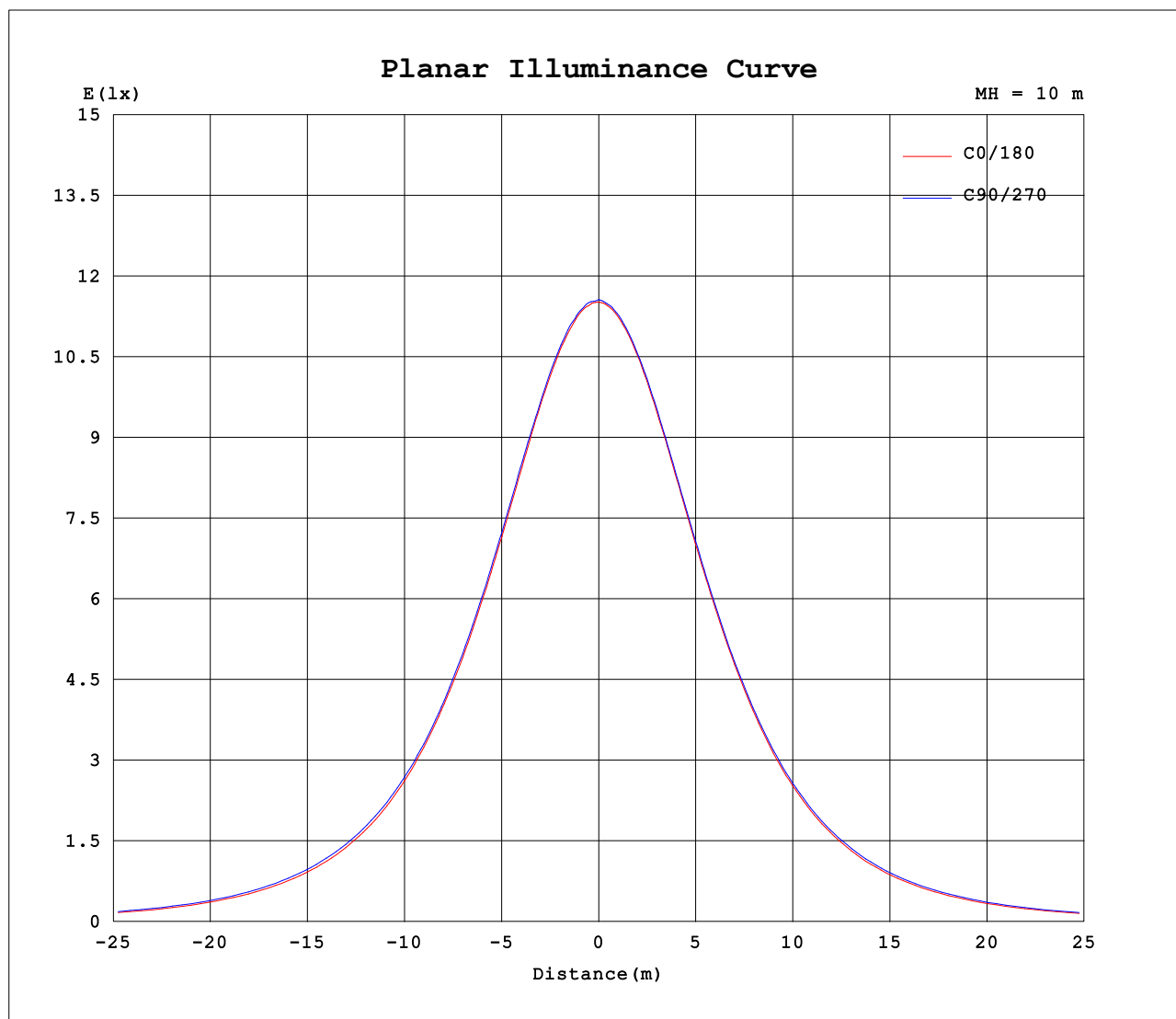
AvgL	cd/m2
L_0~180 (65) av	10352
L_0~180 (75) av	8591
L_0~180 (85) av	3400
L_90~270 (65) av	11208
L_90~270 (75) av	10232
L_90~270 (85) av	7846
L_45 (65) av	10878
L_45 (75) av	9450
L_45 (85) av	5440

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	1152	1152	1153	1153	1154	1154	1155	1155	1155	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156
5	1148	1149	1150	1151	1152	1153	1153	1154	1154	1154	1154	1154	1154	1154	1153	1153	1153	1152	1152
10	1130	1132	1133	1134	1135	1136	1136	1137	1137	1138	1138	1138	1138	1138	1138	1137	1137	1137	1137
15	1104	1106	1107	1108	1109	1110	1111	1111	1112	1112	1113	1113	1113	1113	1112	1112	1112	1112	1112
20	1064	1066	1068	1069	1071	1072	1074	1075	1075	1076	1076	1076	1076	1076	1076	1075	1075	1074	1074
25	1016	1018	1020	1022	1024	1025	1027	1028	1028	1029	1029	1029	1029	1029	1029	1029	1028	1028	1027
30	958	960	963	965	967	969	971	972	973	974	974	974	974	973	973	972	971	971	970
35	894	896	899	901	903	905	907	908	909	910	910	910	910	910	910	910	909	908	908
40	823	825	828	830	832	834	835	837	838	839	839	839	839	839	839	838	838	837	837
45	741	744	748	751	753	756	758	760	761	763	763	763	763	763	763	762	762	761	760
50	655	659	663	666	670	673	675	677	679	681	682	682	682	682	682	681	681	680	679
55	566	570	574	578	581	584	587	589	592	593	594	595	596	596	596	596	596	595	595
60	475	479	483	487	491	494	497	499	502	503	505	506	506	507	507	507	507	506	506
65	382	386	390	394	398	401	404	406	409	411	412	414	415	415	416	416	416	416	416
70	289	293	298	301	305	308	311	314	316	319	321	322	324	325	326	327	327	328	328
75	200	204	208	212	215	218	222	224	227	229	232	234	236	237	239	240	241	241	241
80	114	118	122	125	128	131	134	137	139	142	144	147	149	151	152	154	155	155	156
85	34.7	37.9	40.9	43.9	46.8	49.5	52.1	54.6	57.0	59.2	61.8	64.2	66.5	68.5	70.3	71.8	73.0	73.9	74.4
90	4.62	5.18	5.68	6.13	6.53	6.88	7.17	7.41	7.60	7.74	7.71	7.65	7.54	7.41	7.26	7.09	6.92	6.75	6.60
95	48.5	50.7	52.4	53.6	54.3	54.5	54.2	53.4	52.1	50.3	46.6	42.5	38.1	33.5	28.8	24.2	19.8	15.6	11.7
100	164	170	175	178	180	180	179	176	172	167	154	140	126	111	97.0	83.3	70.7	59.4	50.1
105	284	292	298	302	304	304	302	297	291	282	262	241	220	198	176	156	137	121	108
110	408	420	430	436	440	440	438	433	424	413	387	359	330	300	271	244	219	198	180
115	561	571	578	581	582	579	573	564	552	537	504	470	434	399	365	332	303	278	258
120	744	744	741	736	728	718	704	689	670	649	611	572	532	493	455	420	389	363	342
125	897	889	879	867	853	837	818	797	775	750	708	666	624	582	543	507	475	449	429
130	1011	998	983	966	948	928	906	882	857	831	789	746	703	662	624	589	558	532	514
135	1085	1068	1049	1029	1008	986	963	939	913	887	847	807	767	729	694	662	634	611	595
140	1117	1098	1077	1057	1035	1013	991	968	944	919	885	850	816	784	754	728	705	686	673
145	1125	1105	1085	1065	1045	1024	1004	983	962	941	913	884	857	831	808	787	769	754	744
150	1105	1088	1070	1053	1035	1018	1001	984	967	951	929	908	888	869	852	836	823	813	806
155	1070	1057	1044	1031	1019	1006	994	981	969	957	942	928	914	900	888	878	869	862	857
160	1035	1024	1014	1004	994	985	976	968	960	952	944	936	928	921	915	910	905	902	900
165	996	990	984	979	974	969	964	960	956	953	949	946	943	941	939	937	935	935	934
170	972	970	967	965	963	962	960	959	958	957	957	957	957	957	957	958	958	959	959
175	978	977	977	976	976	976	975	975	975	975	975	975	975	975	975	975	975	975	975
180	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	1156	1157	1157	1157	1157	1156	1156	1156	1156	1156	1155	1154	1154	1153	1153	1152	1152	1152	1152
5	1152	1152	1152	1153	1153	1153	1153	1153	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1144
10	1137	1137	1137	1138	1138	1138	1138	1138	1137	1136	1134	1133	1131	1129	1128	1126	1125	1123	1123
15	1112	1112	1112	1113	1113	1112	1112	1112	1111	1109	1107	1105	1102	1100	1098	1096	1094	1092	1091
20	1074	1074	1074	1074	1074	1074	1074	1073	1072	1070	1067	1065	1062	1059	1057	1054	1052	1050	1049
25	1027	1028	1028	1028	1028	1028	1027	1026	1025	1023	1020	1016	1013	1010	1006	1003	1000	998	997
30	971	971	972	972	972	972	972	972	971	968	964	960	956	953	949	945	942	938	937
35	908	909	909	909	909	909	908	907	906	903	899	894	890	886	882	878	874	870	869
40	837	837	837	837	837	837	836	835	834	830	826	821	817	812	808	804	800	796	795
45	761	761	761	762	761	761	760	759	757	753	748	743	738	733	728	723	718	714	713
50	680	681	681	681	681	681	680	679	677	672	666	661	655	649	643	637	632	627	626
55	595	596	596	596	595	594	593	592	589	584	578	572	565	559	553	547	541	537	535
60	506	507	507	506	506	505	503	502	499	493	487	481	474	468	461	455	450	445	444
65	416	416	416	416	415	413	412	410	407	401	395	389	382	376	370	364	358	353	352
70	328	327	327	326	325	323	321	319	315	310	304	297	291	285	278	273	267	262	261
75	241	241	240	239	237	235	233	230	227	221	215	208	202	196	189	184	178	174	172
80	155	155	154	152	151	148	146	143	139	133	127	121	115	108	102	96.8	91.6	87.1	86.0
85	73.9	72.9	71.6	70.0	67.9	65.6	62.9	59.9	56.5	51.8	46.9	41.9	36.8	31.9	27.2	22.7	18.7	15.1	14.0
90	6.70	6.81	6.92	7.02	7.10	7.15	7.15	7.11	7.00	6.42	5.78	5.12	4.44	3.77	3.14	2.55	2.04	1.62	1.87
95	10.5	9.63	9.15	8.97	9.03	9.26	9.63	10.1	10.5	9.24	8.01	6.87	5.89	5.15	4.72	4.65	5.03	5.92	10.3
100	54.3	60.4	67.9	76.5	85.7	95.0	104	113	120	115	110	103	96.2	89.3	82.6	76.7	71.8	68.4	77.6
105	116	127	141	156	173	190	206	222	237	235	232	227	222	216	210	204	199	195	204
110	192	208	227	249	272	296	320	343	364	364	361	357	351	344	337	330	323	318	327
115	273	293	317	345	374	404	434	463	490	492	492	489	484	478	472	464	457	451	460
120	358	380	407	437	470	505	539	573	605	615	621	625	627	628	627	624	621	618	623
125	445	469	497	529	564	602	639	677	712	729	742	753	762	769	773	776	777	776	777
130	530	553	582	614	650	687	726	765	802	823	841	857	871	882	891	897	901	902	899
135	610	631	658	688	722	757	794	830	866	889	910	929	945	959	970	979	984	987	981
140	686	703	726	752	780	811	842	875	906	930	951	971	989	1005	1018	1029	1036	1040	1032
145	754	768	785	805	828	853	878	905	931	953	974	995	1013	1029	1043	1054	1063	1068	1058
150	812	821	833	848	864	882	900	920	939	958	977	994	1010	1025	1038	1049	1057	1062	1053
155	860	866	874	883	893	905	917	930	944	958	972	985	998	1009	1020	1028	1035	1039	1032
160	902	906	910	915	921	928	935	942	950	958	966	974	981	988	994	999	1002	1004	1000
165	935	936	937	939	942	944	947	950	953	957	962	966	970	974	977	980	982	984	981
170	959	959	958	958	958	958	958	958	959	960	962	963	964	966	967	968	969	970	969
175	974	974	973	973	972	972	971	971	970	970	970	970	971	971	971	971	972	972	972
180	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	1152	1153	1153	1154	1154	1155	1155	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1156	1157
5	1144	1144	1144	1144	1144	1145	1145	1145	1145	1146	1146	1146	1146	1146	1147	1147	1147	1147	1147
10	1123	1123	1123	1124	1124	1125	1125	1126	1126	1126	1127	1127	1127	1127	1127	1128	1128	1128	1127
15	1091	1091	1091	1091	1092	1092	1093	1093	1094	1094	1095	1095	1095	1096	1096	1097	1097	1097	1096
20	1049	1049	1049	1049	1050	1050	1051	1051	1052	1052	1052	1053	1053	1054	1054	1054	1054	1054	1054
25	996	996	996	997	997	998	999	999	1000	1001	1002	1002	1003	1004	1004	1005	1005	1005	1005
30	936	936	936	936	936	937	937	938	939	940	941	942	943	944	945	946	947	947	946
35	868	868	868	868	869	869	870	871	872	873	874	875	876	877	878	879	879	879	878
40	794	794	794	794	795	795	796	797	799	800	801	803	804	805	806	807	808	807	806
45	712	712	712	713	714	715	716	718	719	720	722	723	725	726	727	728	729	728	728
50	626	626	626	627	629	630	632	634	635	636	638	639	640	642	643	644	645	644	643
55	535	535	536	537	539	541	543	545	547	548	550	552	553	555	556	557	558	557	556
60	443	443	444	445	447	449	451	453	455	457	459	462	464	465	467	469	470	469	468
65	351	352	352	353	355	357	359	361	364	366	368	371	373	375	377	379	380	379	377
70	260	260	261	262	263	265	267	269	272	275	277	280	283	285	288	289	291	290	288
75	172	172	172	173	175	177	179	181	184	187	190	193	195	198	200	202	204	202	200
80	85.6	85.9	86.7	88.0	89.7	91.8	94.2	96.7	99.5	102	105	108	111	113	115	117	119	117	115
85	13.5	13.4	13.8	14.5	15.7	17.1	18.8	20.8	23.2	25.7	28.3	30.8	33.3	35.5	37.5	39.2	40.5	39.2	37.4
90	2.22	2.63	3.09	3.57	4.05	4.52	4.94	5.30	5.00	4.63	4.22	3.79	3.36	2.95	2.58	2.27	2.04	2.50	3.04
95	15.2	20.3	25.5	30.7	35.8	40.5	44.7	48.4	46.5	44.1	41.2	38.3	35.3	32.6	30.2	28.6	27.7	34.1	41.2
100	88.1	99.6	112	123	135	146	155	162	155	145	134	123	112	101	91.1	82.8	76.6	87.2	100.0
105	215	225	236	247	257	265	272	277	262	246	228	210	192	176	160	148	139	153	171
110	338	349	360	371	380	387	393	395	375	352	328	303	279	256	236	219	207	226	250
115	469	478	488	496	502	507	509	509	483	455	425	395	366	339	316	296	282	303	330
120	627	631	633	634	634	631	625	617	586	553	519	485	453	423	397	376	361	383	411
125	777	774	770	764	755	745	732	716	681	645	608	572	538	506	479	457	442	464	492
130	894	886	876	864	849	832	814	793	757	720	683	648	614	584	558	537	523	543	570
135	973	961	947	930	912	891	869	845	812	777	744	711	681	654	631	613	601	619	642
140	1022	1008	991	973	952	930	906	882	852	822	793	765	740	717	698	683	674	688	707
145	1046	1031	1013	993	972	949	925	901	877	853	830	808	788	771	757	746	740	750	765
150	1041	1027	1010	992	973	953	932	912	894	876	860	845	832	820	811	805	801	809	820
155	1023	1012	999	985	970	955	940	925	912	901	890	881	872	865	859	856	854	858	865
160	994	987	979	970	961	952	942	933	927	920	915	910	905	902	899	897	896	898	901
165	978	974	970	965	960	955	950	946	943	940	938	936	934	933	932	931	931	931	931
170	968	966	965	963	961	960	958	956	956	956	955	955	956	956	956	956	957	957	957
175	972	972	972	972	972	972	972	972	972	972	972	972	972	972	973	973	973	973	973
180	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975

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:118.9V I:0.4160A P:49.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6556.53x1 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	1157	1157	1157	1156	1156	1156	1156	1156	1155	1155	1155	1154	1154	1153	1152				
5	1147	1147	1147	1147	1147	1147	1147	1147	1148	1148	1148	1148	1148	1148	1148				
10	1127	1127	1127	1127	1126	1126	1126	1126	1127	1127	1127	1128	1128	1129	1130				
15	1096	1096	1096	1096	1096	1096	1096	1096	1097	1097	1098	1099	1100	1101	1103				
20	1054	1054	1054	1054	1054	1054	1054	1055	1056	1056	1057	1058	1060	1061	1062				
25	1004	1004	1003	1003	1003	1002	1002	1003	1004	1005	1007	1008	1010	1012	1014				
30	945	945	944	944	943	943	943	944	945	946	947	949	951	953	955				
35	878	877	876	876	875	875	875	876	877	879	880	882	885	887	890				
40	805	804	803	803	802	801	801	802	804	805	807	810	812	815	819				
45	727	726	725	724	724	723	723	724	725	726	728	730	732	735	738				
50	643	642	641	641	640	640	639	640	641	642	644	645	647	649	652				
55	555	554	553	552	551	550	549	550	551	552	554	555	558	560	563				
60	466	465	463	462	460	459	458	458	459	460	462	464	466	469	471				
65	376	374	372	370	368	367	365	366	366	367	369	371	373	375	378				
70	286	284	282	279	277	275	274	274	274	275	277	278	280	283	286				
75	198	196	193	191	188	186	184	184	185	186	187	189	191	193	196				
80	113	111	108	106	104	102	99.8	99.8	100	101	102	104	106	108	111				
85	35.4	33.3	31.0	28.7	26.5	24.5	22.8	22.7	22.9	23.5	24.4	25.8	27.4	29.5	31.9				
90	3.64	4.28	4.93	5.58	6.20	6.76	7.25	7.35	7.34	7.25	7.05	6.76	6.37	5.88	5.30				
95	48.8	56.7	64.5	72.2	79.2	85.6	90.8	91.3	90.5	88.4	85.0	80.3	74.3	67.0	58.4				
100	114	130	146	162	177	191	204	208	210	209	207	203	196	187	177				
105	191	213	236	259	282	304	323	330	334	335	333	329	322	312	299				
110	277	306	337	368	398	427	453	463	468	471	469	464	455	443	427				
115	361	396	432	468	505	540	572	586	596	602	604	603	598	590	577				
120	444	481	520	561	602	642	680	700	716	730	740	747	751	752	750				
125	525	563	604	646	689	732	774	798	819	838	854	868	879	888	893				
130	602	638	677	719	761	804	846	872	896	919	939	957	974	988	1000				
135	670	703	738	776	815	854	894	920	945	969	991	1012	1032	1051	1069				
140	730	757	787	819	853	887	921	945	969	992	1014	1036	1057	1078	1098				
145	783	805	828	853	880	908	936	958	979	1000	1021	1042	1063	1083	1104				
150	833	848	865	884	903	924	945	962	979	997	1014	1032	1050	1068	1087				
155	873	883	894	906	919	932	947	959	972	985	998	1012	1026	1040	1055				
160	905	909	915	921	928	935	943	951	960	969	978	989	999	1010	1022				
165	932	933	935	937	939	942	945	949	954	958	963	969	975	981	988				
170	957	958	958	958	959	960	960	961	962	963	964	966	967	969	970				
175	973	973	973	973	973	974	974	974	974	975	975	976	976	977	977				
180	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975				

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: