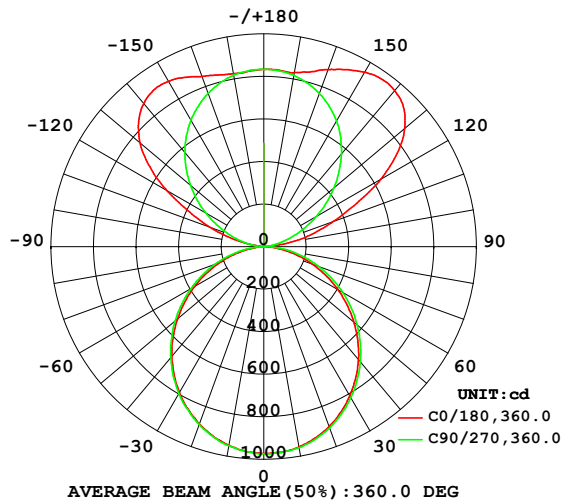


LUMINAIRE PHOTOMETRIC TEST REPORT

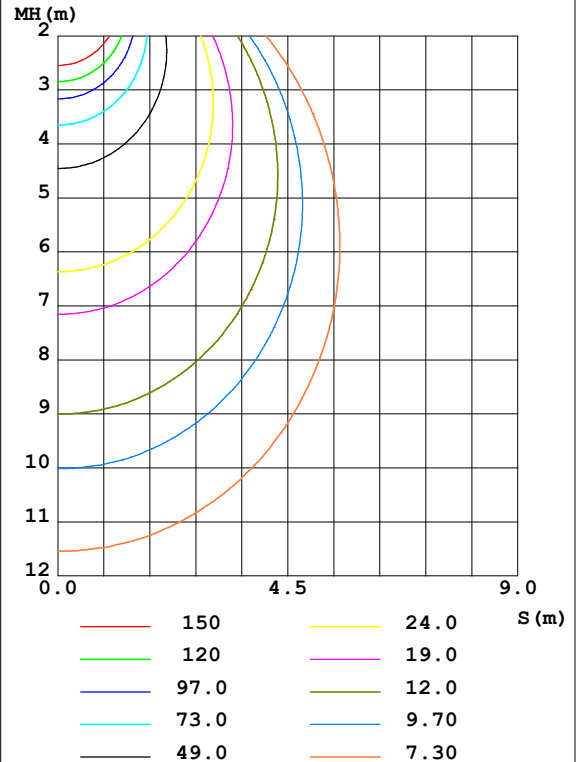
Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.59 lm/W			
MODEL		I _{max} (cd)	974.9	S/MH(C0/180)	1.24
NOMINAL POWER(W)	40W	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5560.9	η UP,DN(C0-180)	25.6,24.7
NOMINAL FLUX(lm)	5560.93	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.3,23.3
LAMPS INSIDE	1	η up(%)	51.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	48.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

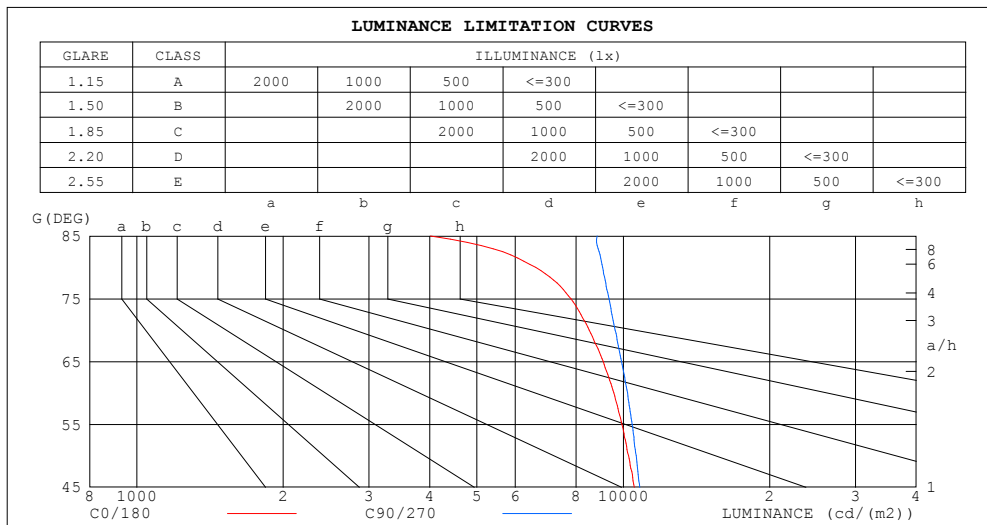
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	955.5	958.3	959.5	959.6	948.5	948.3	950.6	949.7	0- 10	91.96	91.96	1.65,1.65
20	898.8	906.1	906.2	906.2	887.5	886.5	888.9	888.0	10- 20	262.1	354.0	6.37,6.37
30	809.1	820.5	819.7	818.3	793.4	789.9	798.8	794.1	20- 30	393.5	747.5	13.4,13.4
40	692.8	706.8	706.7	704.3	672.7	671.6	680.7	675.4	30- 40	468.9	1216	21.9,21.9
50	553.2	573.5	574.1	571.8	529.1	534.6	544.1	539.2	40- 50	480.2	1697	30.5,30.5
60	401.6	424.5	428.4	421.7	376.3	382.9	395.7	386.1	50- 60	427.5	2124	38.2,38.2
70	244.5	269.1	276.5	267.0	221.5	227.9	245.0	230.9	60- 70	321.5	2446	44,44
80	96.41	118.4	132.3	116.7	73.80	81.98	100.2	84.30	70- 80	182.8	2628	47.3,47.3
90	4.036	6.355	5.385	5.764	1.370	4.711	1.991	6.296	80- 90	44.32	2673	48.1,48.1
100	140.0	141.0	42.66	100.4	58.25	138.6	67.03	176.9	90-100	44.04	2717	48.9,48.9
110	348.6	348.6	150.2	303.5	270.7	336.0	179.3	390.6	100-110	210.3	2927	52.6,52.6
120	636.4	552.2	286.5	506.7	523.2	525.5	313.0	587.9	110-120	388.2	3315	59.6,59.6
130	864.6	708.3	431.6	673.0	760.4	673.6	449.8	730.5	120-130	519.9	3835	69,69
140	957.8	787.2	568.5	764.3	878.1	750.7	578.0	794.4	130-140	551.8	4387	78.9,78.9
150	947.1	814.2	683.8	795.0	897.7	778.7	686.1	814.3	140-150	490.6	4878	87.7,87.7
160	886.3	815.6	765.4	808.2	851.7	799.1	766.5	812.5	150-160	373.4	5251	94.4,94.4
170	831.4	818.4	818.3	817.4	825.9	818.5	818.8	822.1	160-170	231.1	5482	98.6,98.6
180	831.9	831.9	831.9	831.9	831.9	831.9	831.9	831.9	170-180	78.93	5561	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 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	4014	8836
80	6609	9072
75	7800	9343
70	8510	9625
65	9101	9920
60	9562	10201
55	9936	10427
50	10245	10632
45	10530	10817

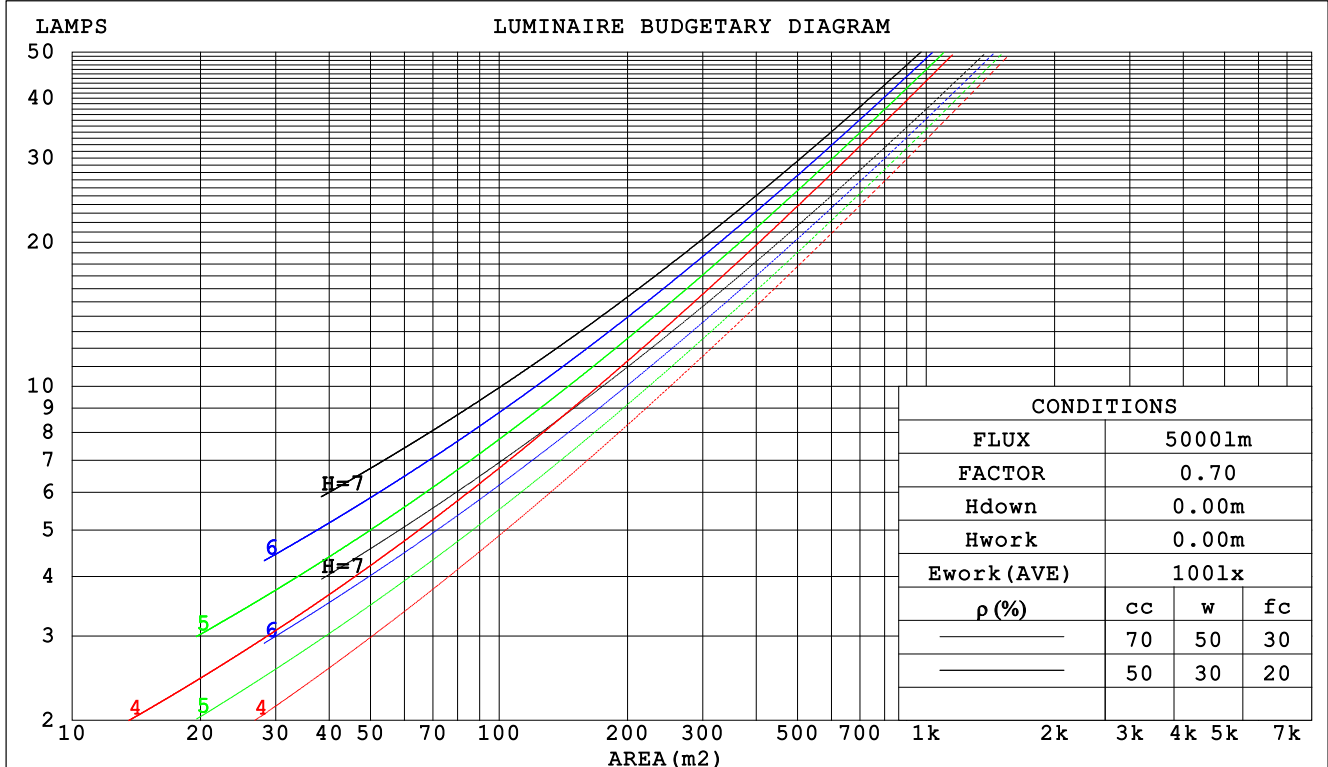
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.68	.68	.68	.54	.54	.54	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.70	.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	.46	.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	.14
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:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm					
NAME: 4FT			TYPE:4000K 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	.050	.258	.147	.047	.215	.123	.039	.176	.102	.033	.140	.081	.026		
2.0	.261	.143	.044	.241	.133	.041	.202	.112	.035	.166	.093	.029	.133	.075	.024		
3.0	.242	.129	.039	.223	.119	.036	.188	.102	.031	.155	.085	.026	.124	.069	.021		
4.0	.224	.116	.034	.207	.108	.032	.174	.092	.028	.144	.077	.023	.116	.063	.019		
5.0	.207	.106	.031	.192	.098	.029	.162	.084	.025	.134	.071	.021	.108	.058	.017		
6.0	.193	.097	.028	.178	.090	.026	.151	.077	.022	.125	.065	.019	.100	.053	.016		
7.0	.180	.089	.025	.167	.083	.024	.141	.071	.021	.117	.060	.017	.094	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.110	.055	.016	.088	.045	.013		
9.0	.158	.077	.021	.146	.071	.020	.124	.061	.017	.103	.052	.015	.083	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.097	.048	.014	.079	.040	.011		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.586	.586	.586	.501	.501	.501	.342	.342	.342	.196	.196	.196	.063	.063	.063	
1.0	.577	.555	.536	.494	.477	.461	.338	.328	.319	.194	.190	.185	.062	.061	.060	
2.0	.570	.534	.503	.488	.459	.435	.334	.318	.303	.193	.185	.178	.062	.060	.058	
3.0	.563	.518	.482	.483	.447	.418	.331	.310	.293	.191	.181	.173	.061	.059	.057	
4.0	.556	.506	.468	.477	.437	.406	.328	.305	.286	.190	.178	.169	.061	.058	.056	
5.0	.550	.497	.458	.472	.430	.398	.325	.300	.281	.188	.176	.167	.061	.058	.055	
6.0	.543	.489	.450	.467	.424	.392	.322	.297	.277	.187	.174	.165	.060	.057	.054	
7.0	.538	.483	.445	.462	.419	.388	.319	.294	.275	.186	.173	.164	.060	.057	.054	
8.0	.532	.478	.441	.458	.415	.384	.317	.291	.273	.184	.172	.163	.060	.056	.054	
9.0	.527	.474	.438	.454	.411	.382	.314	.289	.271	.183	.171	.162	.059	.056	.054	
10.0	.522	.470	.435	.450	.408	.380	.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:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm											
NAME: 4FT						TYPE:4000K 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	17.5	18.5	18.4	19.4	20.5	17.7	18.7	18.6	19.6	20.7	
	18.9	19.7	19.8	20.6	21.8	19.2	20.1	20.1	21.0	22.1	
	19.4	20.2	20.3	21.1	22.3	19.9	20.6	20.8	21.5	22.7	
	19.7	20.4	20.6	21.4	22.6	20.3	21.1	21.3	22.0	23.2	
	19.8	20.5	20.7	21.4	22.6	20.5	21.2	21.4	22.1	23.3	
	19.8	20.4	20.7	21.4	22.6	20.6	21.3	21.6	22.2	23.4	
4H	2H	18.0	18.8	18.9	19.7	20.9	18.2	19.0	19.1	19.9	21.1
	3H	19.5	20.2	20.5	21.1	22.4	19.8	20.5	20.8	21.4	22.7
	4H	20.2	20.8	21.1	21.7	23.0	20.6	21.2	21.5	22.1	23.4
	6H	20.6	21.1	21.6	22.1	23.4	21.2	21.7	22.2	22.7	23.9
	8H	20.7	21.2	21.7	22.1	23.4	21.4	21.9	22.4	22.9	24.1
	12H	20.7	21.1	21.7	22.1	23.4	21.5	22.0	22.6	23.0	24.3
8H	4H	20.4	20.8	21.3	21.8	23.1	20.7	21.2	21.7	22.2	23.5
	6H	20.9	21.3	21.9	22.3	23.6	21.5	21.8	22.5	22.9	24.2
	8H	21.1	21.4	22.1	22.4	23.8	21.8	22.1	22.8	23.1	24.5
	12H	21.1	21.4	22.2	22.5	23.8	22.0	22.3	23.1	23.3	24.7
12H	4H	20.3	20.8	21.3	21.8	23.1	20.7	21.1	21.7	22.1	23.4
	6H	20.9	21.3	22.0	22.3	23.6	21.5	21.8	22.5	22.8	24.2
	8H	21.1	21.4	22.2	22.5	23.8	21.8	22.1	22.9	23.1	24.5
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 5561 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

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:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

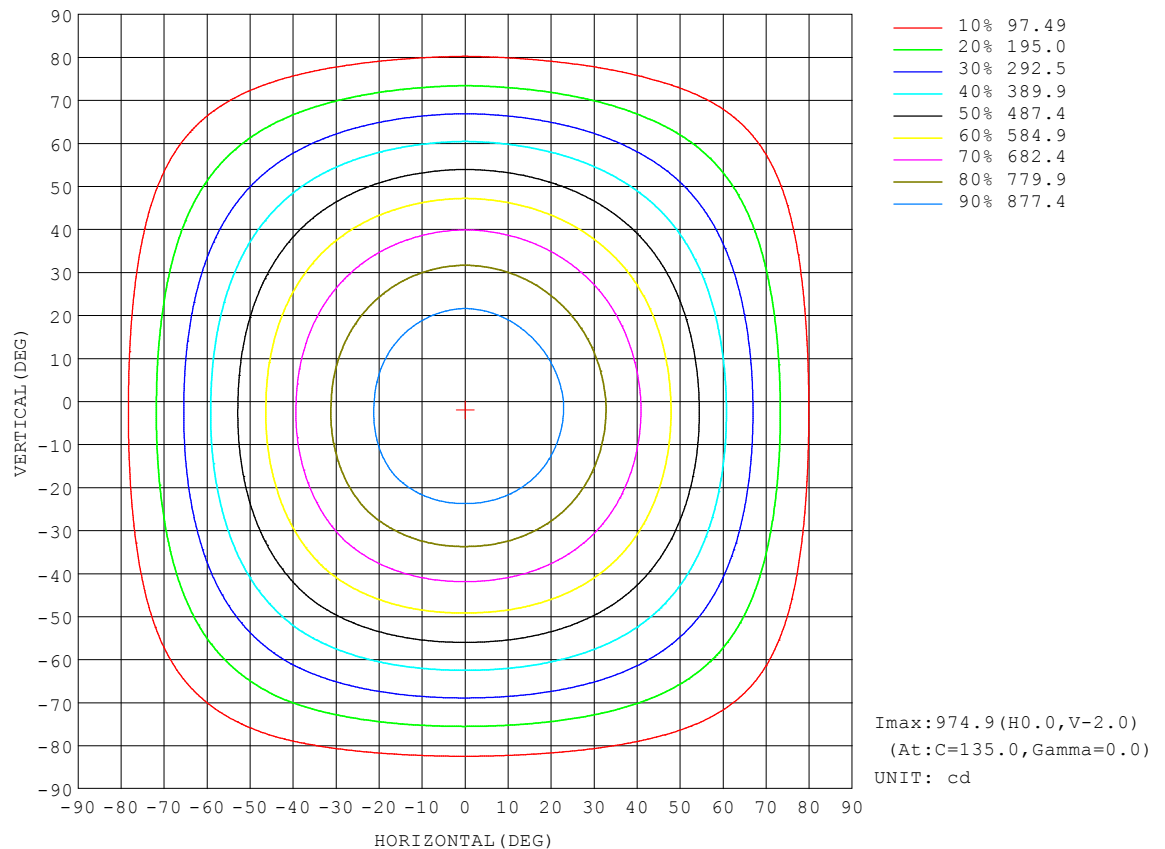
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	33	26	41	31	25	36	28	23	16
0.80	53	41	34	50	39	33	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	58	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	42
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

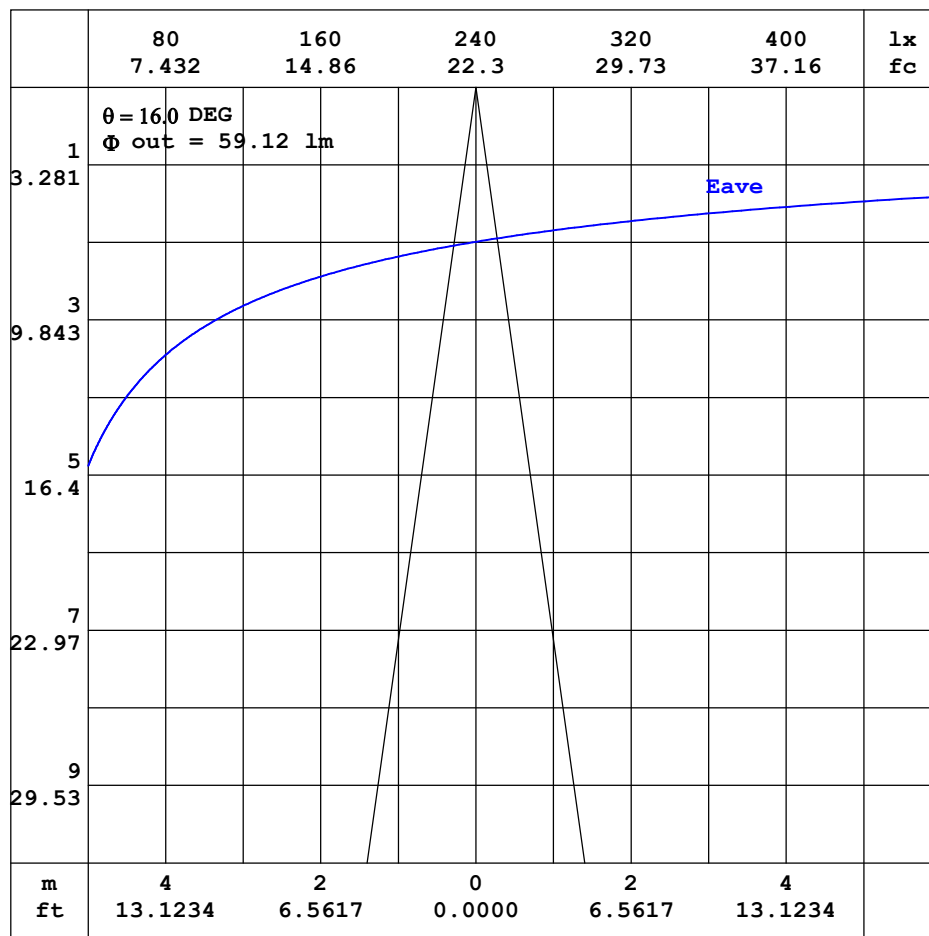


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:

AAI CURVES

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



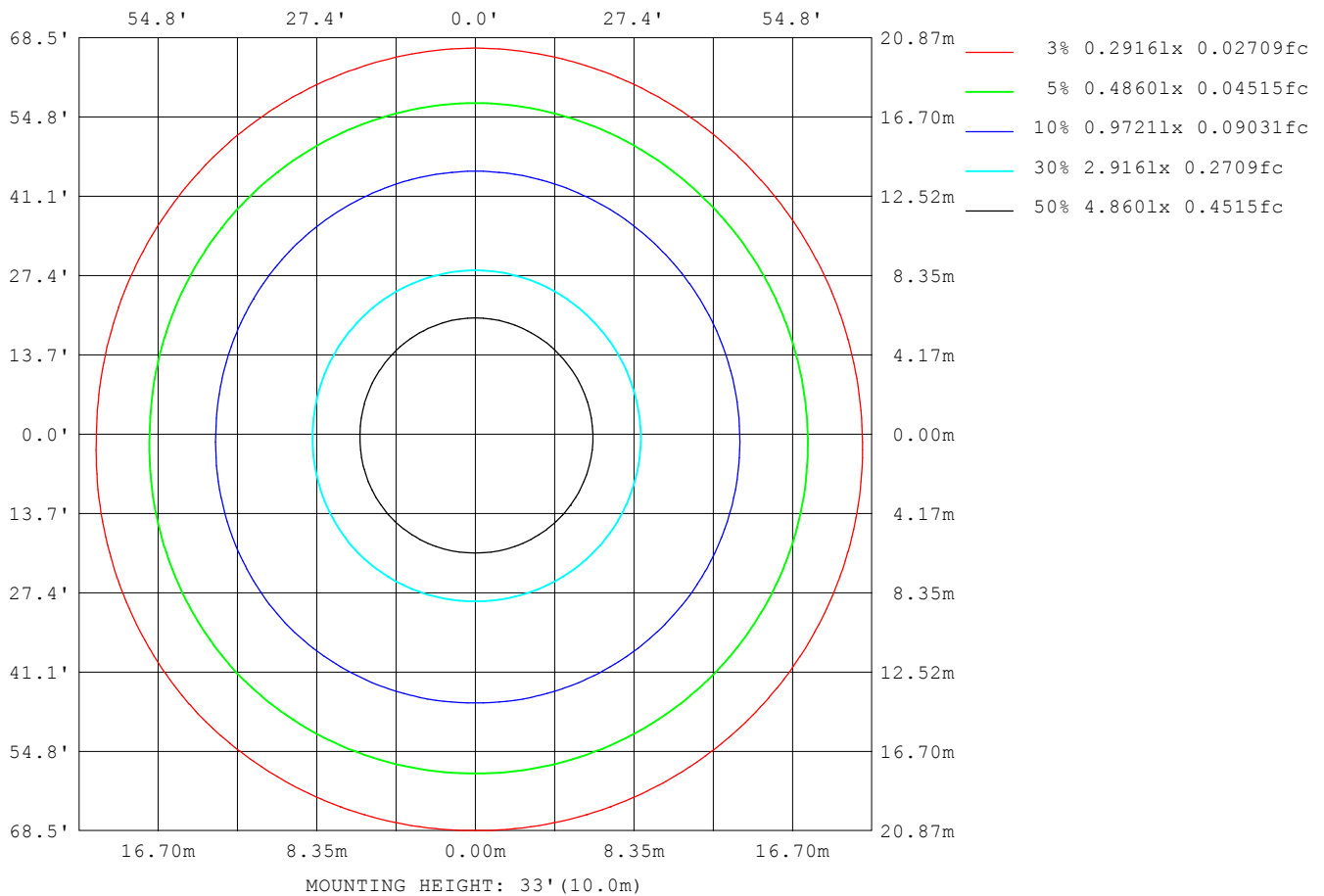
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 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:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

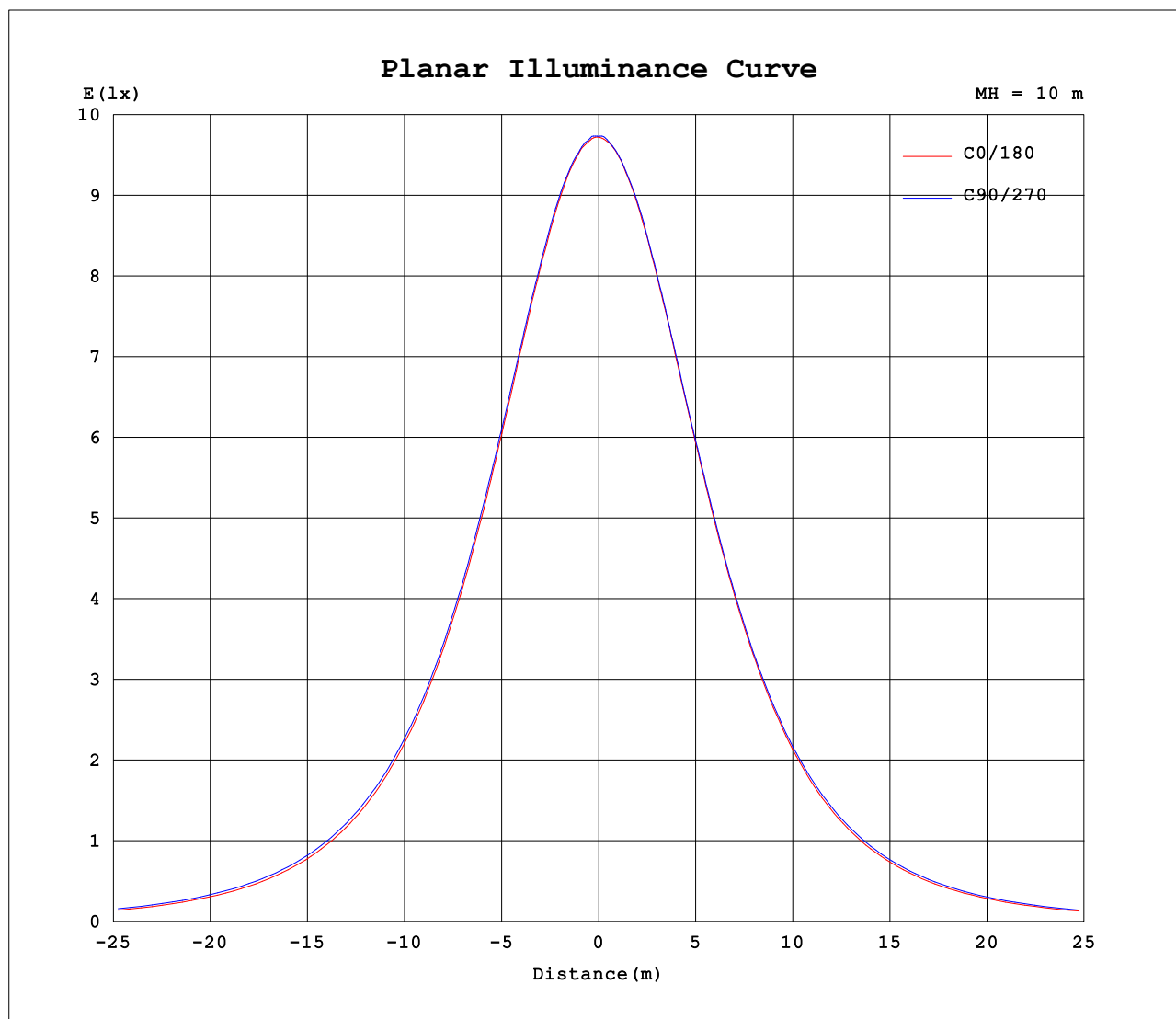
AvgL	cd/m2
L_0~180 (65) av	8756
L_0~180 (75) av	7253
L_0~180 (85) av	2875
L_90~270 (65) av	9469
L_90~270 (75) av	8626
L_90~270 (85) av	6751
L_45 (65) av	9181
L_45 (75) av	7979
L_45 (85) av	4599

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.3300A P:39.00W PF:0.9900 Freq:60.00Hz Lamp Flux:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 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	972	972	972	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973
5	970	970	970	971	971	971	971	971	971	972	972	972	972	972	971	971	971	971	971
10	956	956	956	957	957	957	958	958	958	958	958	959	959	959	959	959	959	959	959
15	931	932	933	934	934	935	936	936	937	937	937	937	938	938	938	938	938	938	938
20	899	900	901	902	903	904	904	905	906	906	906	906	907	907	907	906	906	906	906
25	858	859	861	862	863	864	865	866	866	867	867	867	867	867	867	867	867	866	866
30	809	811	813	814	816	817	818	819	820	821	821	821	821	821	821	821	820	820	820
35	754	756	758	759	761	762	763	764	765	766	766	767	767	767	766	766	766	766	765
40	693	695	697	699	701	702	704	705	706	707	707	708	708	708	708	708	707	707	707
45	625	628	631	633	635	637	639	640	641	642	643	643	644	644	644	643	643	643	643
50	553	556	559	562	565	567	569	571	572	573	574	575	575	575	575	575	575	574	574
55	479	482	485	488	491	493	496	498	499	501	502	502	503	503	503	503	503	503	502
60	402	405	408	411	414	417	419	421	423	425	426	427	428	428	429	429	429	429	428
65	323	327	330	333	336	338	341	343	345	346	348	349	350	351	352	352	352	352	352
70	244	248	251	255	258	260	263	265	267	269	271	272	273	274	275	276	276	277	277
75	170	173	176	179	182	185	187	189	192	193	195	197	199	200	201	202	203	203	203
80	96.4	99.2	102	105	107	110	112	114	116	118	121	123	125	127	128	130	131	132	132
85	29.4	31.9	34.4	36.7	39.1	41.3	43.5	45.6	47.7	49.7	52.1	54.4	56.6	58.6	60.4	61.9	63.2	64.1	64.7
90	4.04	4.46	4.84	5.17	5.47	5.73	5.95	6.12	6.26	6.35	6.32	6.26	6.17	6.05	5.93	5.79	5.65	5.51	5.38
95	39.2	41.3	42.9	44.2	45.0	45.3	45.2	44.7	43.7	42.3	39.3	35.9	32.2	28.4	24.5	20.7	16.9	13.3	10.0
100	140	145	149	151	153	153	152	149	146	141	130	119	107	94.4	82.3	70.7	60.0	50.6	42.7
105	243	249	254	257	258	258	256	252	246	238	222	204	185	167	149	132	116	102	91.1
110	349	358	366	371	373	373	371	366	358	349	326	302	277	252	228	204	183	165	150
115	481	489	494	496	496	493	488	479	469	455	427	398	367	337	308	280	255	233	216
120	636	636	633	629	621	612	600	587	571	552	519	485	451	417	384	354	327	304	287
125	766	760	751	741	728	714	698	680	660	639	603	566	529	493	459	428	400	376	359
130	865	853	840	826	810	793	774	753	732	708	672	635	598	562	529	498	471	448	432
135	929	914	898	881	863	844	824	803	781	757	723	688	653	620	589	561	536	516	501
140	958	941	924	906	888	869	849	829	809	787	757	726	697	668	642	618	598	581	569
145	964	947	930	912	895	877	860	842	823	805	780	756	732	709	688	670	653	640	631
150	947	932	917	902	888	873	858	843	829	814	795	777	759	742	726	712	700	691	684
155	919	907	896	885	874	863	852	841	831	820	807	794	781	769	758	749	740	734	729
160	886	877	869	860	852	844	837	830	822	816	808	800	793	786	781	775	771	768	765
165	851	846	842	838	834	830	826	823	819	816	813	810	807	804	801	799	798	796	796
170	831	829	827	826	824	823	821	820	819	818	818	818	818	818	818	818	818	818	818
175	833	833	833	832	832	832	832	832	831	831	831	831	831	831	830	830	830	830	830
180	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832

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:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 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	973	974	974	974	974	974	975	975	975	975	974	974	974	973	973	973	972	972	972
5	971	971	971	971	971	971	971	971	971	971	970	970	969	968	968	967	967	966	966
10	960	960	960	960	960	960	960	960	960	958	957	956	955	953	952	951	950	949	948
15	938	938	938	937	937	937	936	936	935	934	932	931	929	928	926	925	923	922	922
20	907	907	907	907	907	907	907	907	906	904	902	900	898	896	894	891	889	887	887
25	866	867	867	867	867	867	867	866	865	863	861	858	855	853	850	848	845	843	842
30	820	820	820	820	820	820	820	819	818	816	813	810	807	804	802	799	796	793	792
35	766	766	766	766	766	766	765	764	763	761	758	754	751	748	745	742	739	736	735
40	707	707	707	708	707	707	706	705	704	701	698	694	690	686	683	679	676	673	671
45	643	643	644	644	643	643	642	641	640	636	632	628	623	619	615	610	606	603	602
50	575	575	575	576	576	575	575	573	572	567	563	558	553	547	542	538	533	529	528
55	503	503	503	503	503	502	501	500	498	493	488	483	478	473	467	463	458	454	453
60	429	429	429	428	428	427	426	424	422	417	412	406	401	395	390	385	380	376	375
65	352	352	352	352	351	350	348	346	344	339	334	329	323	318	312	307	303	299	297
70	277	277	276	276	275	273	272	269	267	262	257	251	246	240	235	230	226	221	220
75	203	203	202	201	200	198	196	194	191	186	181	176	170	165	159	154	150	146	145
80	132	131	130	129	127	125	123	120	117	112	107	102	96.4	91.2	86.3	81.7	77.5	73.8	72.9
85	64.1	63.2	61.9	60.3	58.3	56.1	53.5	50.7	47.7	43.6	39.4	35.2	30.9	26.8	22.8	19.1	15.7	12.7	11.8
90	5.47	5.57	5.66	5.75	5.82	5.87	5.88	5.85	5.76	5.28	4.76	4.21	3.66	3.11	2.59	2.12	1.71	1.37	1.61
95	8.96	8.21	7.76	7.55	7.54	7.68	7.93	8.25	8.59	7.54	6.52	5.59	4.81	4.23	3.91	3.90	4.28	5.08	8.84
100	46.0	51.0	57.2	64.3	71.8	79.6	87.2	94.2	100	96.6	91.8	86.4	80.8	75.1	69.7	64.9	61.0	58.3	66.2
105	97.7	107	118	131	145	159	173	186	198	197	194	191	186	181	176	172	168	164	173
110	160	173	189	207	226	247	267	286	304	304	302	299	295	290	285	280	275	271	279
115	228	245	265	288	312	337	363	387	410	412	413	411	408	404	399	394	389	385	392
120	300	318	340	365	393	422	451	480	507	515	521	525	528	529	529	527	525	523	528
125	372	392	415	442	472	503	535	567	597	611	622	632	640	646	650	652	654	653	655
130	445	464	488	515	545	576	609	642	673	691	706	720	732	742	750	755	759	760	759
135	513	531	553	578	606	636	667	698	728	747	765	781	795	807	817	824	830	832	828
140	579	594	612	634	658	684	710	738	764	784	802	819	834	848	859	868	874	878	872
145	639	650	664	681	699	720	741	763	785	803	821	838	853	867	879	889	896	900	893
150	689	696	706	718	732	747	762	779	795	811	826	841	854	867	878	887	893	898	891
155	732	736	743	750	759	769	779	790	802	813	824	835	845	854	863	869	875	878	873
160	767	770	774	778	784	789	795	802	808	815	821	827	833	838	843	847	850	852	848
165	796	797	799	801	803	805	807	810	813	816	819	823	826	828	831	833	835	836	834
170	818	818	818	817	817	817	817	817	817	818	819	820	822	823	824	825	825	826	825
175	830	829	829	829	829	828	828	828	828	828	828	828	828	828	828	828	828	829	829
180	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832

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:5560.93x1 lm		
NAME: 4FT	TYPE:4000K 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	972	972	972	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973	974
5	966	965	965	965	965	965	965	965	965	965	965	966	966	966	966	967	967	967	967
10	948	948	948	948	948	948	948	948	949	949	949	949	950	950	950	950	951	950	950
15	921	921	921	921	921	921	921	921	921	922	922	923	923	924	924	924	925	924	924
20	886	886	886	886	886	886	886	886	887	887	887	888	888	888	888	889	889	889	888
25	841	841	841	840	841	841	841	841	842	842	843	843	844	845	845	846	846	846	845
30	791	790	790	789	789	789	790	790	791	792	793	794	795	796	797	798	799	798	798
35	734	734	733	733	733	734	734	735	736	736	737	738	739	740	741	742	742	742	741
40	671	670	670	670	670	670	671	672	673	674	675	676	677	678	679	680	681	680	679
45	601	601	601	601	602	603	604	605	606	607	608	609	610	611	612	613	614	613	613
50	528	528	528	529	530	531	533	535	536	537	538	539	541	542	543	543	544	544	543
55	452	452	452	453	454	456	457	459	460	462	463	465	466	468	469	470	471	470	469
60	375	375	376	376	378	379	381	383	385	386	388	390	391	393	394	395	396	395	394
65	297	297	297	298	300	301	303	305	307	309	311	313	315	316	318	319	320	319	318
70	220	220	220	221	223	224	226	228	230	232	234	237	239	241	242	244	245	244	243
75	144	144	145	146	147	149	151	153	156	158	161	163	165	167	169	171	172	171	169
80	72.6	72.9	73.6	74.7	76.1	77.8	79.8	82.0	84.3	86.7	89.1	91.4	93.7	95.7	97.5	99.0	100	98.9	97.4
85	11.4	11.4	11.8	12.5	13.5	14.7	16.2	17.9	19.9	22.0	24.1	26.2	28.2	30.1	31.7	33.1	34.2	33.0	31.6
90	1.93	2.31	2.72	3.15	3.59	4.01	4.39	4.71	4.47	4.17	3.83	3.47	3.11	2.76	2.45	2.19	1.99	2.37	2.82
95	13.0	17.3	21.8	26.2	30.5	34.5	38.2	41.2	39.7	37.6	35.3	32.8	30.3	28.0	26.1	24.7	24.0	29.5	35.7
100	75.2	85.0	95.2	105	115	124	132	139	132	124	115	106	96.3	87.2	79.0	72.1	67.0	76.3	87.3
105	181	191	201	210	218	226	232	236	224	210	196	180	166	152	139	129	121	133	149
110	288	297	307	315	323	329	334	336	319	300	279	259	239	220	203	189	179	196	216
115	400	408	416	422	428	432	434	433	411	388	363	338	314	292	272	256	244	263	286
120	532	535	538	539	539	536	532	526	500	472	444	416	389	364	343	325	313	333	357
125	655	653	650	646	639	631	621	608	579	549	519	489	461	435	413	395	383	402	427
130	755	749	741	731	720	706	691	674	644	613	583	553	525	500	479	461	450	468	491
135	821	812	801	788	773	757	739	719	691	663	634	607	582	560	541	526	516	532	553
140	864	853	840	825	808	790	771	751	726	701	677	654	633	614	598	586	578	591	608
145	884	872	858	842	825	806	788	768	748	728	709	691	675	661	649	640	635	645	659
150	882	870	857	843	828	812	795	779	764	749	735	723	712	702	694	689	686	693	703
155	866	858	848	837	826	814	802	790	780	770	761	753	745	739	734	731	729	734	740
160	844	839	833	827	820	813	806	799	793	788	783	779	775	772	769	767	767	769	772
165	832	829	826	823	819	816	812	809	807	804	803	801	799	798	798	797	797	797	798
170	825	824	823	822	821	820	819	818	818	818	818	818	818	818	818	819	819	819	819
175	829	829	829	829	829	829	829	829	829	829	829	829	830	830	830	830	830	830	831
180	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832

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:5560.93x1 lm																	
NAME: 4FT									TYPE:4000K 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	974	974	974	974	975	975	975	975	975	975	974	974	974	973	973				
5	967	967	967	967	967	966	966	967	967	967	967	968	968	969	969				
10	950	950	950	950	950	950	950	950	950	951	951	952	953	954	955				
15	924	924	924	923	923	923	923	924	924	925	926	927	928	929	930				
20	888	888	888	888	888	888	888	889	889	890	891	893	894	895	897				
25	845	845	844	844	844	844	844	845	846	847	849	850	852	854	856				
30	797	796	796	795	795	794	794	795	796	797	798	800	802	804	806				
35	740	739	739	738	738	737	737	738	739	740	742	744	746	748	751				
40	679	678	677	676	676	675	675	676	677	679	680	682	684	687	690				
45	612	612	611	611	610	610	610	611	612	613	615	616	618	620	623				
50	542	542	541	540	540	539	539	540	541	542	543	545	546	548	551				
55	468	467	466	465	464	464	463	464	464	466	467	469	471	473	476				
60	393	391	390	389	388	387	386	387	387	388	390	392	394	396	399				
65	317	315	314	312	311	309	308	309	309	310	312	313	315	318	320				
70	241	239	237	235	234	232	231	231	231	232	233	235	237	239	242				
75	167	165	163	161	159	157	156	156	156	157	158	160	162	164	167				
80	95.6	93.6	91.6	89.5	87.6	85.8	84.3	84.3	84.6	85.2	86.2	87.6	89.3	91.3	93.7				
85	29.9	28.1	26.2	24.3	22.5	20.8	19.4	19.3	19.5	20.0	20.8	21.9	23.3	25.0	27.1				
90	3.32	3.84	4.39	4.92	5.43	5.89	6.30	6.37	6.36	6.27	6.10	5.85	5.52	5.11	4.61				
95	42.3	49.1	55.8	62.4	68.4	73.8	78.2	78.5	77.6	75.5	72.3	68.0	62.5	55.9	48.1				
100	99.7	113	127	140	154	166	177	180	181	181	179	174	169	161	151				
105	166	185	205	225	244	262	279	284	287	288	287	283	276	267	256				
110	240	265	291	318	344	368	391	398	403	405	403	399	391	380	366				
115	313	343	374	405	437	466	494	506	514	519	521	519	515	507	496				
120	386	417	451	486	521	555	588	604	618	629	637	643	645	645	642				
125	456	488	523	559	596	633	668	688	706	722	735	746	754	761	765				
130	519	551	585	621	658	695	730	753	773	791	808	823	836	847	857				
135	578	606	637	670	704	738	771	794	815	835	853	871	887	902	916				
140	629	652	678	706	735	765	794	815	835	855	874	892	909	926	942				
145	675	694	714	737	760	784	809	827	845	862	880	897	914	931	947				
150	715	729	744	760	778	796	814	829	843	858	873	887	902	917	932				
155	748	757	767	779	790	803	816	826	837	848	859	871	882	894	906				
160	776	780	786	792	798	805	812	819	826	834	842	850	859	867	877				
165	799	801	803	805	807	810	813	816	820	823	827	831	836	841	846				
170	819	820	820	821	821	822	822	823	824	825	826	827	828	829	830				
175	831	831	831	832	832	832	832	833	833	833	833	833	833	833	833				
180	832	832	832	832	832	832	832	832	832	832	832	832	832	832	832				

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: