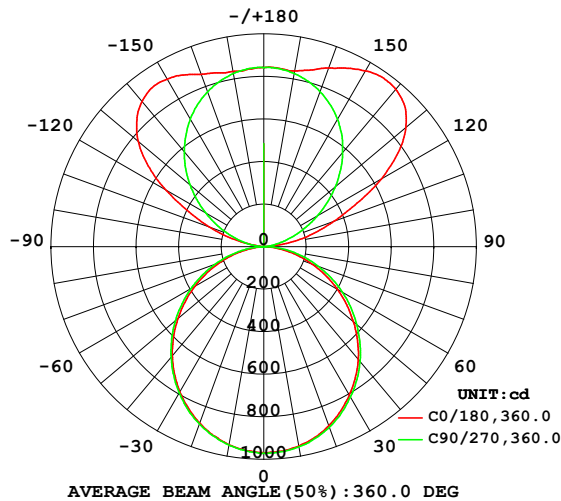


LUMINAIRE PHOTOMETRIC TEST REPORT

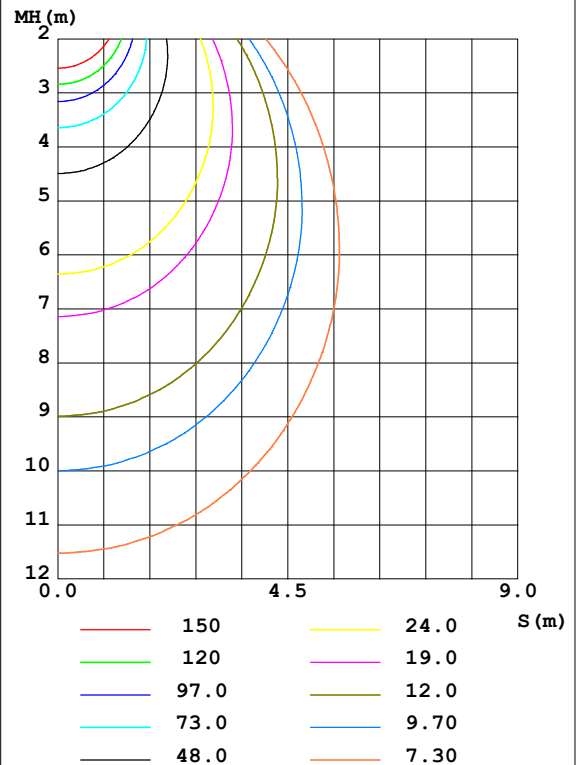
Test:U:119.0V I:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.69 lm/W			
MODEL		I _{max} (cd)	972.1	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)	5580.1	η UP,DN(C0-180)	25.9,24.5
NOMINAL FLUX(lm)	5580.05	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.4,23.2
LAMPS INSIDE	1	η up(%)	52.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.7	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:

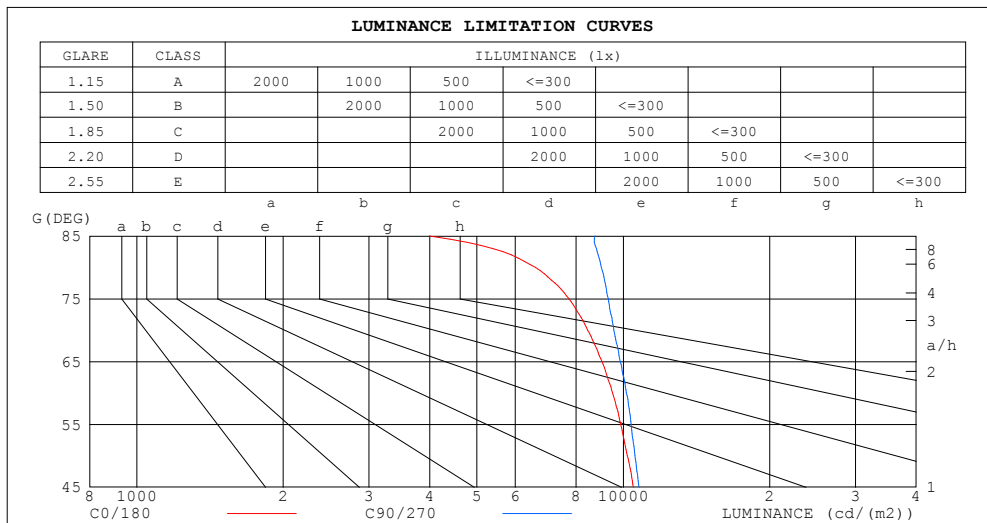
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	951.9	954.5	955.7	954.5	945.6	944.2	947.0	945.7	0- 10	91.60	91.60	1.64,1.64
20	895.5	901.9	903.2	900.6	882.6	880.7	886.7	883.4	10- 20	261.0	352.6	6.32,6.32
30	805.2	816.4	815.8	814.3	789.4	787.2	794.1	791.2	20- 30	391.8	744.4	13.3,13.3
40	690.7	703.3	704.8	701.2	669.2	669.2	677.5	672.6	30- 40	466.9	1211	21.7,21.7
50	550.3	571.6	570.5	568.2	527.0	531.8	541.9	536.1	40- 50	478.2	1689	30.3,30.3
60	398.9	422.3	426.4	419.6	374.6	380.8	394.6	384.5	50- 60	425.7	2115	37.9,37.9
70	242.8	267.9	274.9	265.1	220.9	226.7	244.2	229.7	60- 70	320.0	2435	43.6,43.6
80	96.26	117.9	131.5	116.1	73.46	81.64	99.80	83.84	70- 80	181.9	2617	46.9,46.9
90	3.995	6.491	5.530	5.881	1.358	4.725	1.853	6.303	80- 90	44.16	2661	47.7,47.7
100	141.2	143.0	42.62	102.4	58.46	139.7	67.16	177.3	90-100	44.41	2706	48.5,48.5
110	352.8	354.0	153.6	310.1	273.7	340.3	180.5	392.2	100-110	212.6	2918	52.3,52.3
120	639.5	559.5	292.4	516.4	529.2	531.5	312.8	589.8	110-120	392.5	3311	59.3,59.3
130	872.7	715.7	440.2	684.5	770.3	681.2	453.2	733.3	120-130	525.5	3836	68.7,68.7
140	965.3	794.7	577.5	776.2	891.0	758.2	581.9	798.3	130-140	557.9	4394	78.7,78.7
150	954.5	821.7	693.2	806.0	909.6	786.8	692.4	818.9	140-150	495.8	4890	87.6,87.6
160	893.7	822.6	775.4	817.4	862.5	806.1	773.9	816.2	150-160	377.2	5267	94.4,94.4
170	838.8	826.7	826.3	826.6	836.5	826.3	826.5	829.6	160-170	233.3	5500	98.6,98.6
180	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	170-180	79.77	5580	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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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	3994	8742
80	6600	9015
75	7732	9314
70	8451	9570
65	9042	9863
60	9498	10151
55	9875	10382
50	10191	10567
45	10491	10770

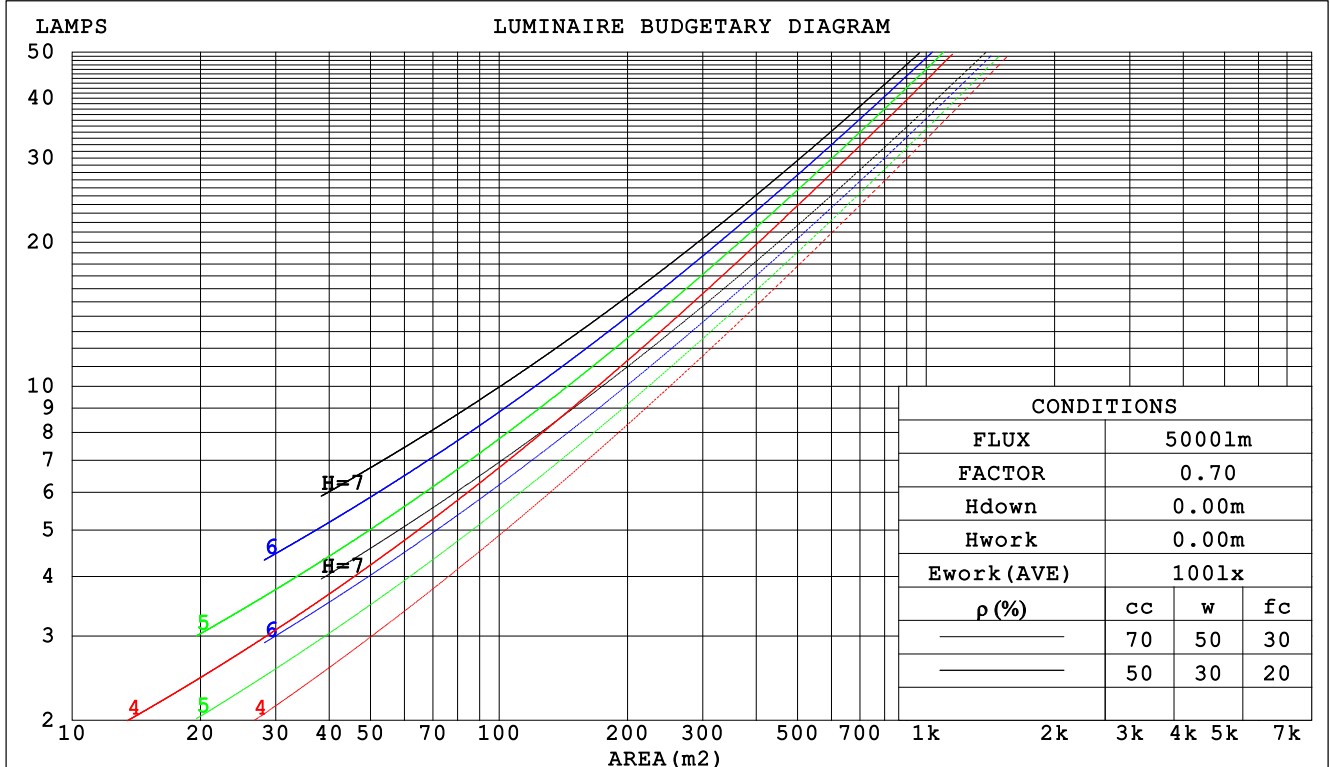
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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	.67	.67	.67	.54	.54	.54	.48
1.0	.93	.89	.85	.86	.82	.79	.72	.69	.67	.59	.58	.56	.48	.47	.45	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.52	.49	.47	.42	.40	.38	.33
3.0	.71	.64	.58	.66	.59	.54	.55	.50	.47	.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	.27	.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	.33	.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:

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm								
NAME: 4FT			TYPE:3500K 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	.257	.147	.047	.215	.123	.039	.175	.101	.032	.139	.081	.026		
2.0	.261	.143	.044	.240	.132	.041	.202	.112	.035	.166	.093	.029	.133	.075	.024		
3.0	.242	.129	.039	.223	.119	.036	.187	.101	.031	.154	.085	.026	.124	.068	.021		
4.0	.224	.116	.034	.206	.108	.032	.174	.092	.027	.143	.077	.023	.115	.062	.019		
5.0	.207	.106	.031	.191	.098	.029	.161	.084	.025	.133	.070	.021	.107	.057	.017		
6.0	.193	.097	.028	.178	.090	.026	.150	.077	.022	.124	.065	.019	.100	.053	.016		
7.0	.180	.089	.025	.166	.083	.024	.140	.071	.020	.116	.060	.017	.094	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.109	.055	.016	.088	.045	.013		
9.0	.158	.076	.021	.146	.071	.020	.124	.061	.017	.103	.051	.015	.083	.042	.012		
10.0	.149	.071	.020	.138	.067	.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	.589	.589	.589	.503	.503	.503	.344	.344	.344	.197	.197	.197	.063	.063	.063	
1.0	.580	.558	.539	.496	.479	.464	.340	.330	.321	.195	.191	.186	.063	.061	.060	
2.0	.573	.537	.506	.491	.462	.438	.336	.320	.305	.194	.186	.179	.062	.060	.058	
3.0	.566	.521	.485	.485	.449	.420	.333	.312	.295	.192	.182	.174	.062	.059	.057	
4.0	.559	.509	.471	.480	.440	.409	.330	.306	.288	.191	.180	.170	.061	.058	.056	
5.0	.553	.500	.461	.475	.432	.401	.327	.302	.283	.189	.177	.168	.061	.058	.055	
6.0	.546	.492	.453	.470	.426	.395	.324	.298	.279	.188	.176	.166	.061	.057	.055	
7.0	.540	.486	.448	.465	.421	.390	.321	.295	.277	.187	.174	.165	.060	.057	.054	
8.0	.535	.481	.444	.460	.417	.387	.319	.293	.275	.185	.173	.164	.060	.057	.054	
9.0	.529	.477	.441	.456	.414	.384	.316	.291	.273	.184	.172	.163	.060	.056	.054	
10.0	.524	.473	.438	.452	.411	.382	.314	.289	.272	.183	.171	.162	.059	.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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm											
NAME: 4FT					TYPE:3500K 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	17.5	18.4	18.4	19.3	20.4	17.7	18.6	18.6	19.5	20.6
	3H	18.8	19.7	19.7	20.6	21.7	19.2	20.0	20.1	20.9	22.1
	4H	19.3	20.1	20.3	21.0	22.2	19.8	20.6	20.7	21.5	22.7
	6H	19.7	20.4	20.6	21.3	22.5	20.3	21.0	21.2	21.9	23.1
	8H	19.7	20.4	20.7	21.3	22.6	20.5	21.1	21.4	22.1	23.3
	12H	19.7	20.4	20.7	21.3	22.5	20.6	21.2	21.5	22.2	23.4
4H	2H	18.0	18.7	18.9	19.7	20.9	18.1	18.9	19.1	19.8	21.0
	3H	19.5	20.1	20.4	21.1	22.3	19.8	20.4	20.7	21.4	22.6
	4H	20.1	20.7	21.1	21.7	22.9	20.5	21.1	21.5	22.1	23.3
	6H	20.5	21.0	21.5	22.0	23.3	21.1	21.6	22.1	22.6	23.9
	8H	20.6	21.1	21.6	22.1	23.4	21.3	21.8	22.3	22.8	24.1
	12H	20.6	21.1	21.6	22.1	23.4	21.5	21.9	22.5	22.9	24.2
8H	4H	20.3	20.8	21.3	21.8	23.1	20.7	21.1	21.7	22.1	23.4
	6H	20.9	21.2	21.9	22.3	23.6	21.4	21.8	22.4	22.8	24.1
	8H	21.0	21.4	22.1	22.4	23.7	21.7	22.1	22.7	23.1	24.4
	12H	21.1	21.4	22.1	22.4	23.8	22.0	22.2	23.0	23.3	24.6
12H	4H	20.3	20.7	21.3	21.7	23.0	20.6	21.0	21.6	22.1	23.4
	6H	20.9	21.2	21.9	22.2	23.6	21.4	21.7	22.4	22.8	24.1
	8H	21.1	21.4	22.1	22.4	23.8	21.8	22.0	22.8	23.1	24.4
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 5580 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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

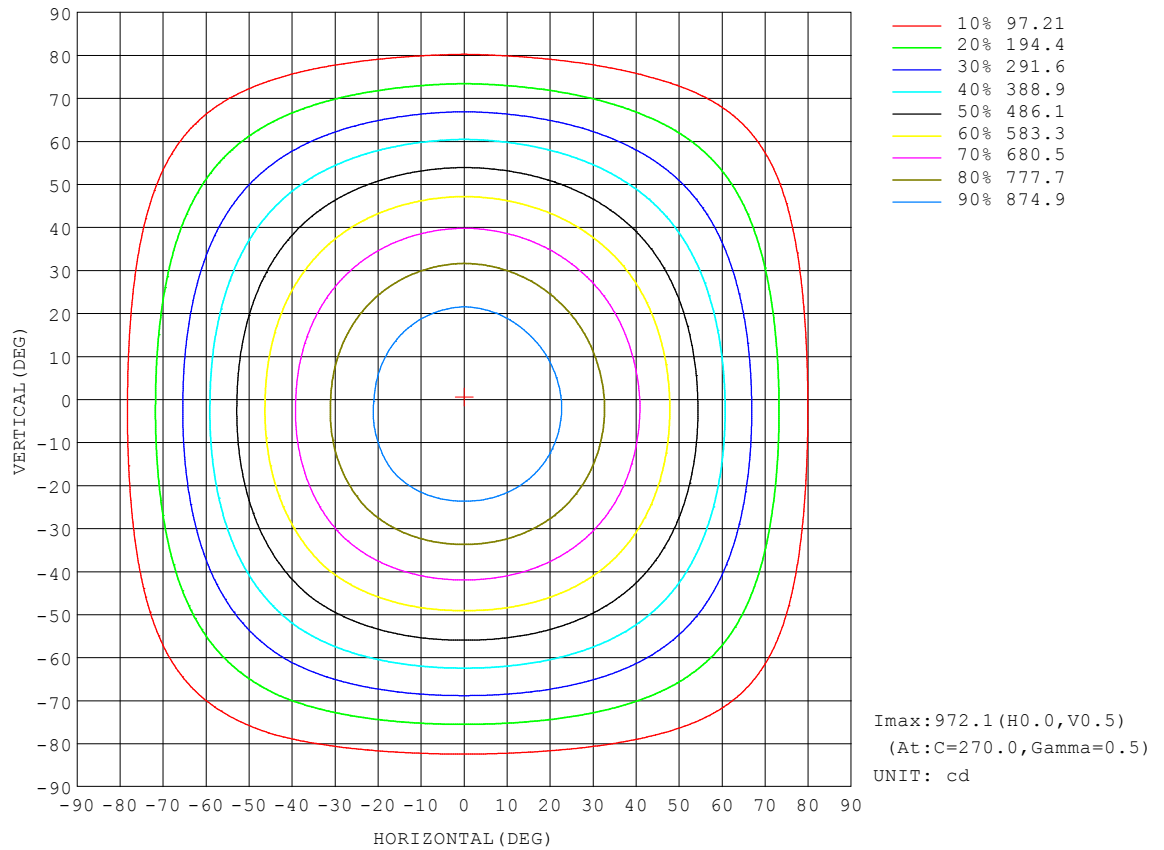
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	32	26	41	31	25	36	28	23	16
0.80	53	41	34	49	39	33	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	71	63	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	37
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	89	85	87	83	79	74	70	68	41
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

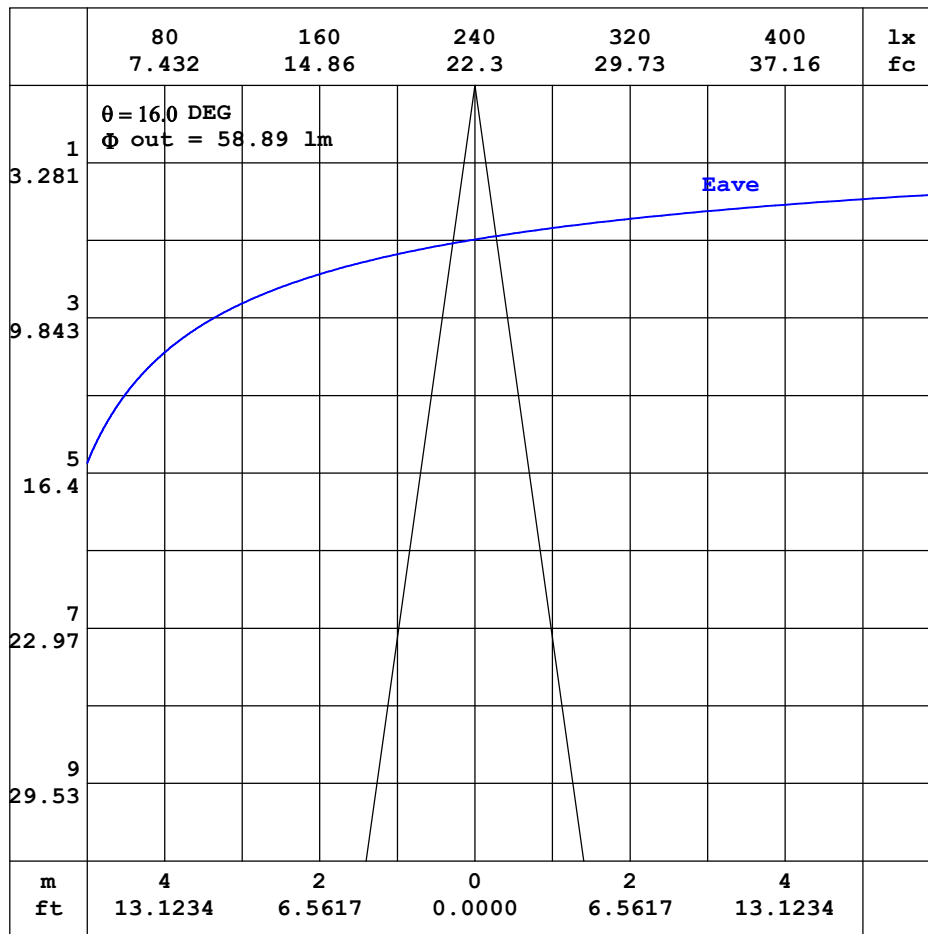


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



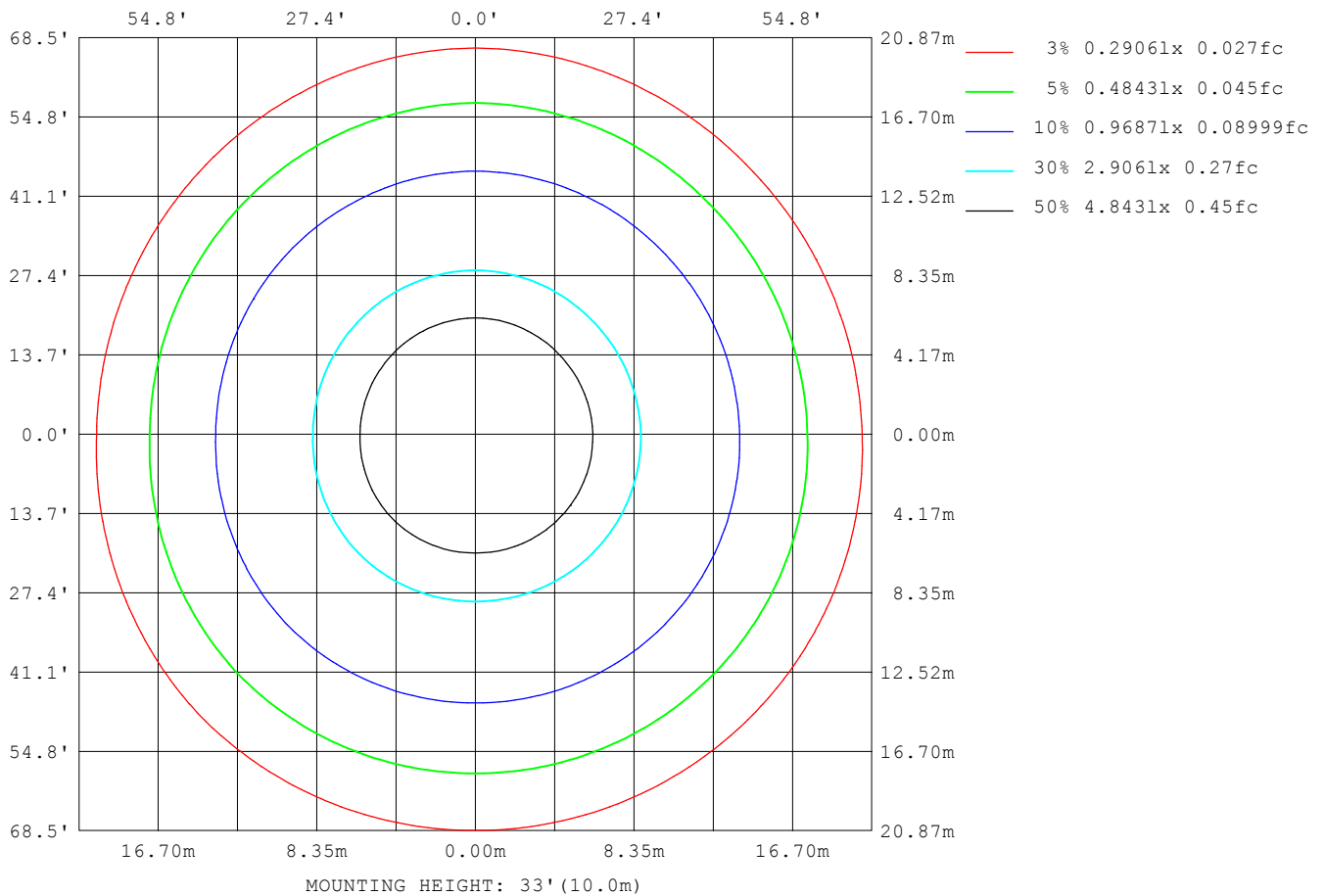
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

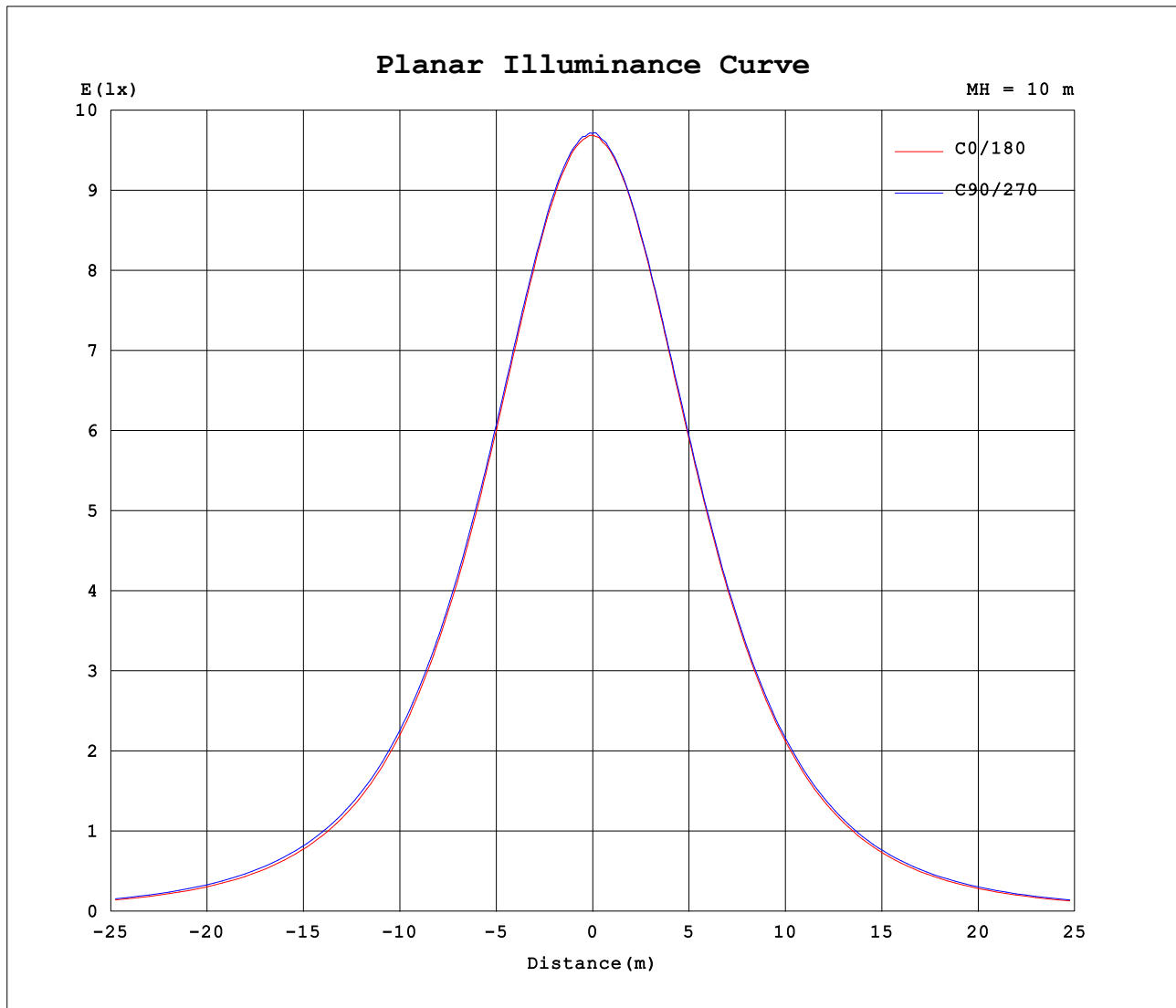
AvgL	cd/m2
L_0~180 (65) av	8710
L_0~180 (75) av	7205
L_0~180 (85) av	2864
L_90~270 (65) av	9430
L_90~270 (75) av	8599
L_90~270 (85) av	6711
L_45 (65) av	9140
L_45 (75) av	7942
L_45 (85) av	4582

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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	969	969	968	968	968	968	968	968	969	969	969	969	970	970	970	970	971	971	971
5	965	965	966	966	966	967	967	967	967	967	967	967	968	968	968	968	968	968	967
10	952	952	953	953	953	954	954	954	954	955	955	955	955	955	955	956	956	956	956
15	929	930	930	931	931	932	932	932	933	933	933	933	933	933	933	933	933	933	933
20	896	896	897	898	899	900	900	901	901	902	902	903	903	903	903	903	903	903	903
25	854	856	857	858	859	860	861	862	863	863	863	864	864	864	864	863	863	863	863
30	805	807	809	810	812	813	814	815	816	816	817	817	817	817	817	817	816	816	816
35	751	753	755	757	758	759	761	762	762	763	764	764	764	764	764	764	764	764	764
40	691	693	694	696	698	699	700	701	702	703	704	704	705	705	705	705	705	705	705
45	623	626	628	630	633	634	636	637	639	640	640	641	641	641	641	641	640	640	640
50	550	554	557	560	563	565	567	569	570	572	572	573	573	573	572	572	572	571	571
55	476	480	483	486	489	492	494	496	498	499	500	501	501	502	502	501	501	501	500
60	399	402	406	409	412	414	417	419	421	422	424	425	425	426	426	427	427	427	426
65	321	325	328	331	334	337	339	341	343	345	346	348	349	349	350	350	350	350	350
70	243	246	250	253	256	259	262	264	266	268	270	271	272	273	274	275	275	275	275
75	168	172	175	178	181	184	186	189	191	193	195	196	198	199	200	201	202	202	202
80	96.3	99.1	102	104	107	109	112	114	116	118	120	122	124	126	128	129	130	131	131
85	29.2	31.8	34.3	36.7	39.1	41.3	43.5	45.6	47.7	49.7	52.0	54.2	56.3	58.3	60.0	61.4	62.6	63.5	64.0
90	4.00	4.44	4.85	5.21	5.53	5.81	6.04	6.23	6.38	6.49	6.47	6.41	6.32	6.21	6.08	5.94	5.80	5.66	5.53
95	39.8	42.1	43.8	45.1	46.0	46.4	46.3	45.8	44.8	43.4	40.2	36.6	32.8	28.8	24.7	20.7	16.8	13.0	9.65
100	141	146	150	153	155	155	154	151	148	143	132	120	108	95.4	83.0	71.2	60.3	50.7	42.6
105	245	252	257	260	262	261	259	255	249	242	225	207	188	169	151	133	117	103	92.3
110	353	363	371	376	378	378	376	371	364	354	332	307	282	257	232	208	187	168	154
115	484	493	498	501	501	499	493	486	475	462	434	404	373	343	313	285	260	238	221
120	639	640	638	634	627	618	607	593	578	559	527	492	458	424	391	360	333	310	292
125	771	765	757	746	734	720	704	686	667	645	609	573	536	500	466	434	407	384	366
130	873	861	848	834	818	800	781	761	739	716	679	642	606	570	536	506	479	457	440
135	937	922	906	889	871	852	832	811	789	766	731	696	662	629	598	570	545	525	510
140	965	949	931	914	895	876	857	837	816	795	764	734	705	676	650	627	606	590	578
145	971	954	937	920	902	885	867	849	831	812	788	763	740	717	697	678	662	650	641
150	955	940	925	910	895	880	866	851	836	822	803	784	767	750	735	721	709	700	693
155	925	914	903	892	881	870	859	849	838	828	814	801	789	777	766	757	749	742	737
160	894	885	876	867	859	851	844	836	829	823	815	808	801	795	789	784	781	777	775
165	859	855	850	846	842	838	834	831	827	824	821	818	815	813	811	809	807	806	805
170	839	837	835	833	832	831	829	828	827	827	826	826	826	826	826	826	826	826	826
175	842	841	841	841	841	841	841	841	841	841	841	841	840	840	840	840	840	840	840
180	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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	971	971	971	970	970	970	970	969	969	969	969	969	969	969	969	969	969	969	969
5	968	968	968	968	968	968	968	968	968	967	967	966	965	964	964	963	962	962	962
10	956	956	956	956	956	956	955	955	955	954	953	952	951	950	948	947	946	946	945
15	933	933	934	934	933	933	933	933	932	931	929	928	926	925	923	922	920	919	918
20	903	903	903	903	903	903	902	901	901	899	897	895	893	890	888	886	884	883	882
25	863	863	864	864	864	864	863	863	862	860	857	854	852	849	846	844	841	839	838
30	816	816	817	817	817	816	816	815	814	812	809	806	803	800	797	795	792	789	788
35	764	764	764	764	764	763	763	762	761	758	755	751	748	744	741	738	735	732	731
40	705	705	705	705	705	704	704	703	701	698	694	691	687	683	679	676	672	669	668
45	640	641	641	641	641	640	640	639	637	634	630	626	621	617	613	608	605	601	600
50	571	571	572	572	572	571	571	570	568	564	559	555	550	545	540	535	531	527	526
55	501	501	501	501	500	499	498	497	495	491	486	480	475	470	465	460	456	452	451
60	427	427	427	426	426	425	423	422	420	415	410	404	399	394	388	383	379	375	374
65	350	350	350	350	349	348	346	344	342	337	332	327	322	316	311	306	301	297	296
70	275	275	274	274	273	271	270	268	265	260	255	250	245	239	234	229	225	221	220
75	202	202	201	200	199	197	195	193	190	185	180	175	169	164	159	154	149	145	144
80	131	131	130	128	126	124	122	119	116	111	106	101	95.9	90.8	85.9	81.3	77.1	73.5	72.6
85	63.5	62.6	61.3	59.7	57.8	55.7	53.2	50.5	47.5	43.5	39.3	35.1	30.8	26.7	22.7	19.0	15.7	12.7	11.8
90	5.62	5.71	5.81	5.89	5.96	6.00	6.01	5.97	5.88	5.39	4.85	4.28	3.71	3.15	2.62	2.13	1.70	1.36	1.60
95	8.59	7.88	7.49	7.35	7.43	7.66	8.01	8.42	8.84	7.78	6.75	5.79	4.98	4.37	4.01	3.98	4.31	5.09	8.85
100	46.2	51.3	57.8	65.1	72.9	80.9	88.8	96.0	102	98.4	93.5	87.9	82.0	76.1	70.5	65.5	61.3	58.5	66.4
105	99.1	109	120	133	147	162	176	190	202	201	198	194	189	184	178	173	169	166	174
110	163	177	193	212	232	252	273	292	310	310	308	305	300	295	289	283	278	274	282
115	233	250	270	293	318	344	370	394	417	420	420	418	414	410	404	399	393	388	396
120	306	324	347	373	401	431	460	489	516	525	530	534	536	537	536	534	532	529	534
125	380	400	424	451	482	513	546	578	608	622	634	643	651	656	660	663	663	663	664
130	454	473	497	525	555	587	620	653	684	702	718	731	743	753	760	766	769	770	768
135	523	541	563	589	617	647	679	710	740	760	778	793	807	819	829	837	841	844	839
140	588	603	622	644	669	695	722	749	776	796	815	832	847	861	872	881	888	891	885
145	648	660	674	692	711	731	753	775	797	816	834	851	867	881	893	903	910	914	907
150	698	706	716	728	742	757	773	789	806	822	837	852	866	879	890	899	905	910	902
155	741	745	752	760	769	779	790	801	812	824	836	847	857	867	875	882	887	891	885
160	777	780	784	788	793	799	805	811	817	824	831	837	843	849	854	858	861	862	859
165	806	807	808	809	811	813	816	818	821	824	828	832	835	838	841	843	845	846	844
170	826	826	826	826	826	826	826	826	827	828	829	830	832	833	834	835	836	836	836
175	839	839	839	838	838	838	838	837	837	837	837	837	837	837	837	837	838	838	838
180	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm		
NAME: 4FT	TYPE:3500K 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	969	969	968	968	968	969	969	969	969	969	970	970	970	970	971	971	971	971	971
5	961	961	961	961	961	962	962	962	962	962	962	963	963	963	963	963	963	963	963
10	945	944	944	944	944	944	944	944	944	945	945	945	946	946	946	947	947	947	947
15	917	917	917	916	916	916	916	916	917	917	918	918	919	920	920	921	921	921	921
20	881	881	880	880	880	880	880	881	881	882	883	883	884	885	886	886	887	886	886
25	837	837	837	837	837	837	837	838	839	840	841	842	842	843	844	845	845	845	844
30	787	787	786	786	786	786	787	787	788	789	789	790	791	792	793	793	794	794	793
35	730	730	729	729	730	730	731	731	732	733	734	735	736	737	737	738	739	738	737
40	667	667	667	667	667	668	668	669	670	671	672	673	674	675	676	677	678	677	676
45	599	599	599	599	600	600	601	603	604	605	606	607	609	610	611	612	613	612	611
50	525	525	526	527	528	529	530	532	533	534	536	537	538	539	540	541	542	541	541
55	450	450	451	451	453	454	456	457	459	460	462	463	465	466	467	468	469	468	467
60	373	373	374	375	376	377	379	381	383	384	386	388	390	391	393	394	395	394	393
65	296	296	296	297	298	300	302	304	306	308	310	312	314	315	317	318	319	318	317
70	219	219	220	220	222	223	225	227	229	231	233	236	238	240	242	243	244	243	242
75	144	144	144	145	147	149	150	153	155	157	160	162	165	167	169	170	171	170	169
80	72.3	72.6	73.2	74.3	75.8	77.5	79.5	81.6	84.0	86.4	88.8	91.1	93.3	95.4	97.2	98.7	99.8	98.6	97.0
85	11.4	11.3	11.7	12.4	13.4	14.6	16.1	17.7	19.8	21.9	24.1	26.2	28.2	30.1	31.8	33.2	34.3	33.1	31.7
90	1.92	2.30	2.72	3.16	3.60	4.02	4.40	4.73	4.47	4.15	3.79	3.41	3.03	2.67	2.34	2.06	1.85	2.24	2.70
95	13.0	17.3	21.8	26.3	30.6	34.6	38.2	41.3	39.8	37.7	35.3	32.8	30.3	28.0	26.1	24.7	24.0	29.6	35.8
100	75.5	85.4	95.7	106	116	125	133	140	133	125	116	106	96.9	87.7	79.3	72.4	67.2	76.4	87.4
105	183	193	202	212	220	228	234	238	226	212	197	182	166	152	139	129	121	133	149
110	291	301	310	319	327	333	338	340	323	303	283	262	241	222	205	191	180	197	217
115	404	412	420	426	432	436	438	437	415	391	366	341	316	294	274	257	245	264	287
120	538	542	544	545	545	543	538	531	505	477	448	419	391	366	344	326	313	332	357
125	664	662	659	654	647	639	628	615	586	555	524	493	464	438	415	397	384	403	427
130	764	758	750	740	728	714	699	681	651	620	589	559	530	505	483	465	453	471	494
135	832	823	812	798	783	766	747	727	699	670	641	614	588	565	546	530	520	535	556
140	876	864	850	835	817	799	779	758	733	707	683	659	638	619	602	590	582	595	612
145	896	884	869	852	835	816	796	776	755	735	715	697	681	666	654	645	640	649	662
150	893	881	868	853	837	821	804	787	771	757	743	730	719	709	701	695	692	699	709
155	878	869	859	848	836	823	811	798	788	778	769	761	754	747	743	739	738	742	748
160	854	849	842	836	828	821	813	806	800	795	790	786	782	779	776	775	774	776	778
165	842	839	836	832	828	824	820	816	814	812	810	808	807	806	805	804	804	804	805
170	835	834	833	831	830	829	827	826	826	826	826	826	826	826	826	826	826	827	827
175	838	838	838	838	838	838	838	838	838	838	839	839	839	839	840	840	840	840	840
180	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840

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:0.3240A P:38.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5580.05x1 lm																	
NAME: 4FT									TYPE:3500K 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	971	970	970	970	970	969	969	969	969	969	969	969	969	969	969				
5	963	963	963	963	963	963	963	963	963	963	963	963	964	964	964				
10	946	946	946	946	946	946	946	946	946	947	948	948	949	950	951				
15	921	920	920	920	920	920	920	920	921	922	922	923	925	926	928				
20	885	885	884	884	884	883	883	884	885	886	887	888	890	892	893				
25	844	843	842	842	841	841	840	841	842	843	844	846	848	850	852				
30	793	792	792	792	791	791	791	792	793	794	795	797	799	801	803				
35	737	736	735	735	734	734	734	735	736	737	739	741	743	745	748				
40	676	675	674	674	673	673	673	674	675	676	678	680	682	685	688				
45	611	610	609	608	607	607	607	607	608	610	611	613	615	618	620				
50	540	539	538	538	537	536	536	537	538	539	540	542	543	545	548				
55	467	466	465	464	463	462	462	462	463	464	465	467	469	471	473				
60	392	390	389	388	386	385	384	385	386	387	388	389	391	394	396				
65	316	314	313	311	310	308	307	307	308	309	310	312	313	316	318				
70	240	238	236	234	233	231	230	230	230	231	232	234	235	238	240				
75	167	165	163	160	158	157	155	155	155	156	157	159	161	163	165				
80	95.2	93.2	91.1	89.1	87.1	85.4	83.8	83.8	84.1	84.8	85.9	87.2	89.0	91.0	93.5				
85	30.0	28.1	26.2	24.3	22.4	20.7	19.3	19.2	19.3	19.8	20.6	21.7	23.1	24.9	26.9				
90	3.22	3.76	4.32	4.88	5.40	5.89	6.30	6.38	6.37	6.28	6.11	5.86	5.52	5.09	4.59				
95	42.4	49.2	56.0	62.6	68.7	74.1	78.5	78.8	78.0	76.0	72.8	68.5	63.1	56.5	48.7				
100	99.8	113	127	141	154	166	177	181	182	182	179	175	169	162	152				
105	166	185	205	225	245	263	280	286	289	290	288	284	278	269	258				
110	241	266	292	319	345	370	392	400	405	407	406	401	394	383	370				
115	314	344	375	406	438	468	496	507	516	521	523	522	517	509	499				
120	386	418	452	487	522	557	590	607	620	632	640	645	648	648	645				
125	456	489	524	561	598	635	670	691	709	725	738	749	758	765	769				
130	522	554	588	624	660	697	733	756	776	795	813	828	842	854	864				
135	581	609	640	672	706	740	774	797	818	839	858	876	893	909	923				
140	632	656	682	710	739	769	798	819	840	859	879	897	915	932	949				
145	678	697	717	740	763	787	811	830	848	866	884	902	919	937	954				
150	720	734	749	765	783	801	819	834	848	863	878	893	908	924	939				
155	755	764	774	784	796	808	820	831	842	853	864	876	888	900	913				
160	782	786	791	796	802	809	816	823	830	838	846	855	864	873	883				
165	806	807	809	810	813	815	818	821	825	829	833	838	843	848	853				
170	827	827	828	828	828	829	830	830	831	832	833	834	835	836	837				
175	840	840	840	841	841	841	841	841	841	841	841	841	841	841	841				
180	840	840	840	840	840	840	840	840	840	840	840	840	840	840	840				

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: