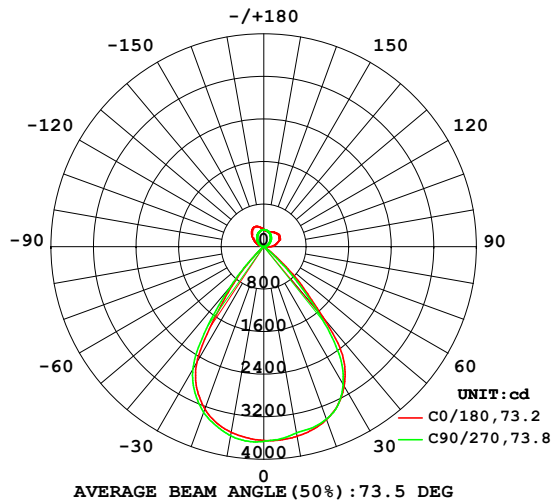


LUMINAIRE PHOTOMETRIC TEST REPORT

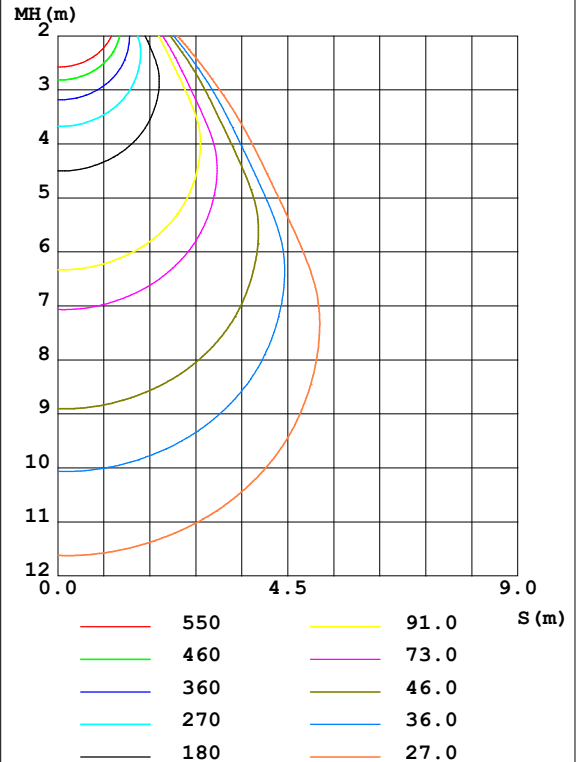
Test:U:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.49 lm/W			
MODEL		I _{max} (cd)	3684	S/MH (C0/180)	1.15
NOMINAL POWER(W)	48W	LOR(%)	100.0	S/MH (C90/270)	1.02
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6211.1	η UP,DN (C0-180)	9.8,42.7
NOMINAL FLUX(lm)	6211.09	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	10.0,37.4
LAMPS INSIDE	1	η up (%)	19.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down (%)	80.2	CIBSE SHR MAX	1.25

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:

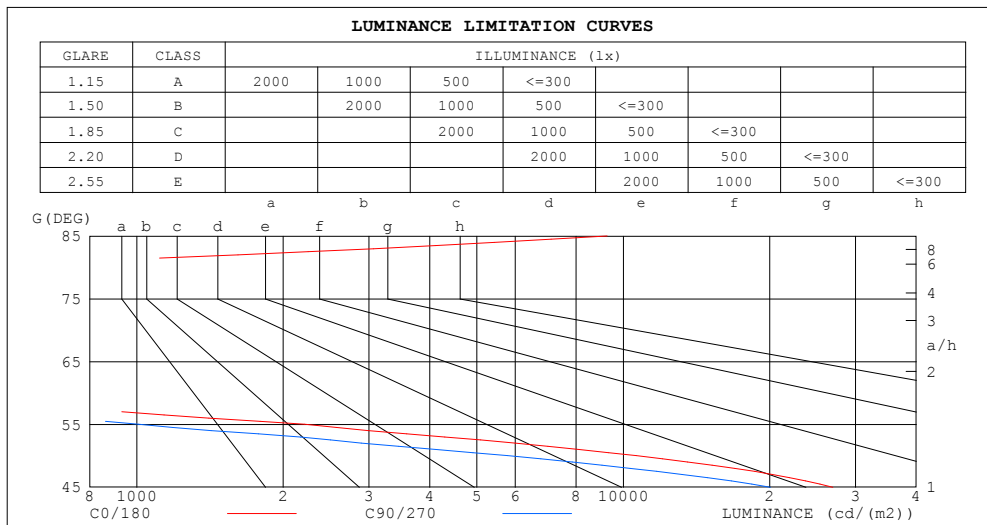
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3618	3586	3559	3558	3544	3588	3610	3643	0- 10	346.1	346.1	5.57,5.57
20	3458	3441	3448	3348	3250	3280	3316	3386	10- 20	986.0	1332	21.4,21.4
30	3025	3098	2987	2896	2524	2630	2671	2858	20- 30	1446	2778	44.7,44.7
40	1731	2272	1539	1890	829.2	1363	959.1	1832	30- 40	1406	4183	67.4,67.4
50	341.9	764.9	185.9	399.7	37.79	206.0	54.14	395.7	40- 50	662.7	4846	78,78
60	10.01	78.66	11.86	29.17	7.808	8.984	9.291	25.56	50- 60	102.5	4948	79.7,79.7
70	5.699	6.834	7.758	6.645	5.429	5.337	5.758	5.928	60- 70	10.48	4959	79.8,79.8
80	3.671	4.561	4.809	4.620	4.129	3.517	3.197	4.321	70- 80	5.338	4964	79.9,79.9
90	113.7	65.65	2.089	3.698	3.152	3.004	0.4040	88.12	80- 90	15.39	4980	80.2,80.2
100	219.3	151.3	17.47	44.47	27.20	68.94	27.71	164.0	90-100	66.50	5046	81.2,81.2
110	300.7	206.5	57.88	117.4	123.4	132.5	69.72	206.4	100-110	126.9	5173	83.3,83.3
120	338.3	237.5	102.2	188.3	198.9	205.1	114.2	230.4	110-120	174.3	5347	86.1,86.1
130	358.9	252.5	150.3	266.2	281.7	281.5	160.9	250.1	120-130	200.9	5548	89.3,89.3
140	338.6	260.0	199.5	328.8	359.0	337.5	208.7	262.4	130-140	206.7	5755	92.7,92.7
150	318.9	267.8	246.7	364.8	406.7	364.8	254.1	270.5	140-150	187.5	5942	95.7,95.7
160	300.2	279.5	285.8	368.1	406.8	363.7	290.7	282.9	150-160	146.6	6089	98,98
170	299.1	295.5	311.5	349.5	366.1	343.6	314.3	299.7	160-170	91.40	6180	99.5,99.5
180	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	170-180	30.70	6211	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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9262	816
80	423	554
75	345	478
70	333	454
65	355	449
60	400	474
55	2214	1007
50	10638	5785
45	26959	20061

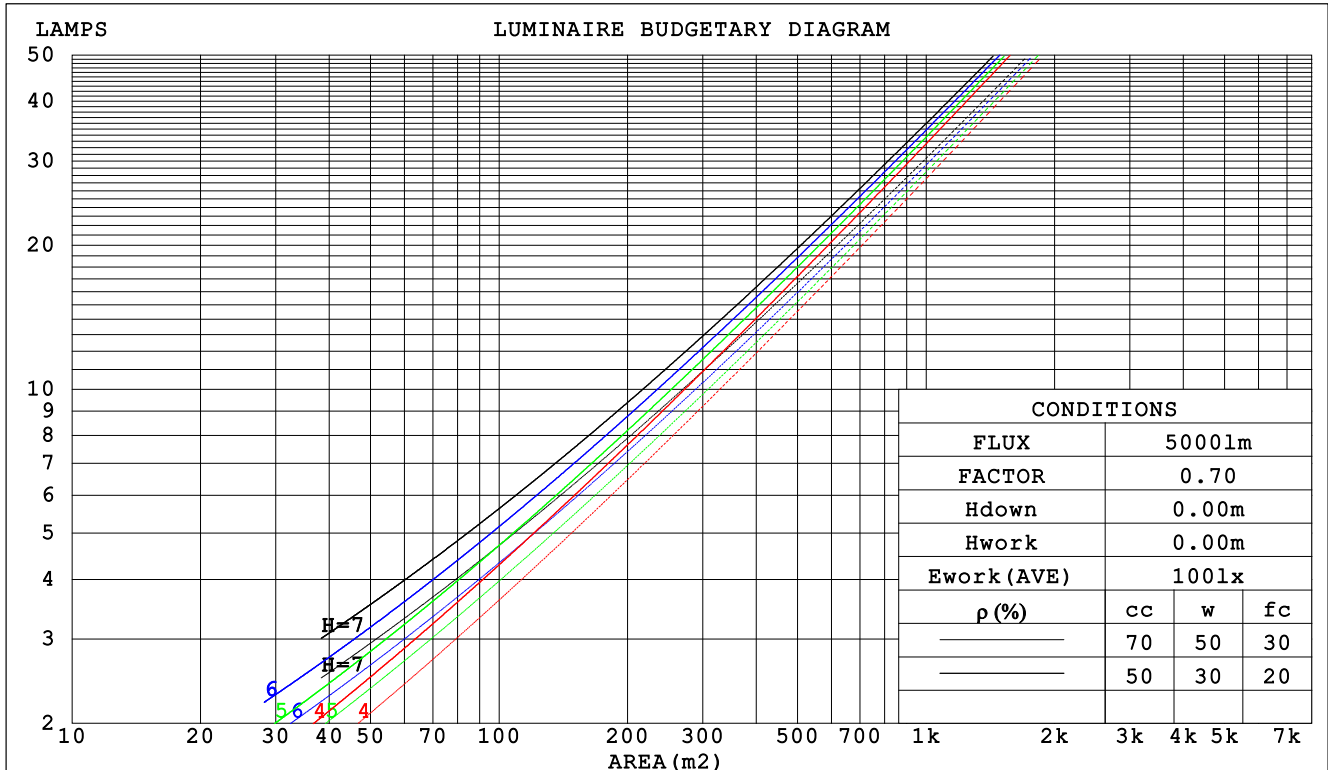
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	1.04	1.02	.99	1.00	.98	.95	.93	.91	.89	.86	.84	.83	.79	.78	.77	.74
2.0	.95	.91	.87	.92	.88	.84	.85	.82	.79	.79	.77	.75	.74	.72	.70	.68
3.0	.87	.81	.77	.84	.79	.75	.79	.75	.71	.74	.70	.68	.69	.66	.64	.62
4.0	.80	.74	.69	.77	.72	.67	.73	.68	.64	.68	.65	.62	.64	.61	.59	.56
5.0	.74	.67	.62	.71	.65	.61	.67	.62	.58	.63	.59	.56	.60	.57	.54	.52
6.0	.68	.61	.56	.66	.60	.55	.62	.57	.53	.59	.55	.51	.56	.52	.49	.47
7.0	.63	.56	.51	.61	.55	.50	.58	.53	.49	.55	.50	.47	.52	.48	.46	.44
8.0	.58	.51	.47	.57	.50	.46	.54	.49	.45	.51	.47	.43	.49	.45	.42	.40
9.0	.54	.47	.43	.53	.47	.42	.50	.45	.41	.48	.43	.40	.46	.42	.39	.37
10.0	.50	.44	.40	.49	.43	.39	.47	.42	.38	.45	.40	.37	.43	.39	.36	.35



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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm					
NAME: 4FT			TYPE:3500K 2.8		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.12*0.045		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	.208	.119	.038	.196	.112	.035	.172	.099	.031	.150	.086	.028	.129	.075	.024	
2.0	.199	.109	.033	.187	.103	.032	.166	.092	.029	.146	.082	.026	.128	.073	.023	
3.0	.189	.100	.030	.179	.096	.029	.159	.086	.026	.142	.078	.024	.125	.069	.021	
4.0	.179	.093	.027	.170	.089	.026	.153	.081	.024	.137	.073	.022	.122	.066	.020	
5.0	.170	.087	.025	.162	.083	.024	.146	.076	.022	.131	.069	.021	.118	.063	.019	
6.0	.161	.081	.023	.154	.078	.022	.140	.072	.021	.126	.066	.019	.114	.060	.018	
7.0	.154	.076	.022	.147	.073	.021	.133	.067	.019	.121	.062	.018	.110	.057	.017	
8.0	.146	.071	.020	.140	.069	.019	.128	.064	.018	.116	.059	.017	.106	.054	.016	
9.0	.139	.067	.019	.133	.065	.018	.122	.060	.017	.112	.056	.016	.102	.052	.015	
10.0	.133	.064	.018	.128	.062	.017	.117	.057	.016	.107	.053	.015	.098	.049	.014	

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	.342	.342	.342	.292	.292	.292	.199	.199	.199	.114	.114	.114	.037	.037	.037	
1.0	.326	.309	.295	.279	.266	.254	.191	.183	.175	.110	.106	.102	.035	.034	.033	
2.0	.313	.286	.263	.268	.246	.227	.184	.170	.158	.106	.099	.093	.034	.032	.030	
3.0	.303	.268	.240	.260	.231	.208	.178	.161	.146	.103	.094	.086	.033	.030	.028	
4.0	.294	.254	.224	.253	.220	.194	.174	.153	.137	.100	.090	.081	.032	.029	.027	
5.0	.287	.244	.212	.246	.211	.184	.170	.147	.130	.098	.086	.077	.032	.028	.025	
6.0	.280	.235	.203	.241	.204	.176	.166	.142	.125	.096	.084	.074	.031	.027	.024	
7.0	.275	.228	.196	.236	.198	.170	.163	.139	.121	.095	.082	.072	.031	.027	.024	
8.0	.269	.222	.190	.232	.193	.166	.160	.135	.118	.093	.080	.070	.030	.026	.023	
9.0	.264	.218	.186	.228	.189	.162	.158	.133	.115	.092	.078	.069	.030	.026	.023	
10.0	.260	.214	.183	.224	.185	.159	.155	.130	.113	.091	.077	.068	.029	.025	.022	

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm										
NAME: 4FT					TYPE:3500K 2.8			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			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	21.0	21.9	21.5	22.4	22.9	20.2	21.2	20.7	21.7	22.2
3H	20.8	21.6	21.3	22.1	22.7	20.0	20.8	20.5	21.3	21.9
4H	20.6	21.4	21.2	22.0	22.5	19.9	20.7	20.4	21.2	21.8
6H	20.5	21.2	21.1	21.8	22.4	19.7	20.5	20.3	21.0	21.6
8H	20.4	21.1	21.0	21.7	22.3	19.7	20.4	20.3	20.9	21.6
12H	20.4	21.1	21.0	21.7	22.3	19.6	20.3	20.2	20.9	21.5
4H 2H	20.7	21.4	21.2	22.0	22.6	19.9	20.7	20.5	21.2	21.8
3H	20.4	21.1	21.0	21.6	22.3	19.6	20.3	20.2	20.9	21.5
4H	20.3	20.9	20.9	21.5	22.2	19.5	20.1	20.1	20.7	21.4
6H	20.1	20.6	20.8	21.3	22.0	19.4	19.9	20.0	20.5	21.3
8H	20.1	20.5	20.7	21.2	21.9	19.3	19.8	20.0	20.4	21.2
12H	20.1	20.5	20.8	21.2	22.0	19.2	19.7	19.9	20.3	21.1
8H 4H	20.0	20.5	20.7	21.2	21.9	19.3	19.8	20.0	20.4	21.2
6H	19.9	20.3	20.6	21.0	21.8	19.2	19.5	19.9	20.2	21.0
8H	19.8	20.2	20.6	20.9	21.7	19.1	19.4	19.8	20.1	21.0
12H	19.9	20.2	20.7	20.9	21.8	19.0	19.3	19.8	20.0	20.9
12H 4H	20.0	20.4	20.7	21.1	21.9	19.2	19.7	19.9	20.3	21.1
6H	19.8	20.2	20.6	20.9	21.7	19.1	19.4	19.8	20.1	21.0
8H	19.8	20.1	20.5	20.8	21.6	19.0	19.3	19.8	20.0	20.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -15.1					+ 2.8 / -15.9				
1.5H	+ 3.0 / - 9.1					+ 3.2 / -12.6				
2.0H	+ 6.2 / -14.6					+ 6.0 / -15.6				

CIE Pub.117 Corrected 6211 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.3)

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

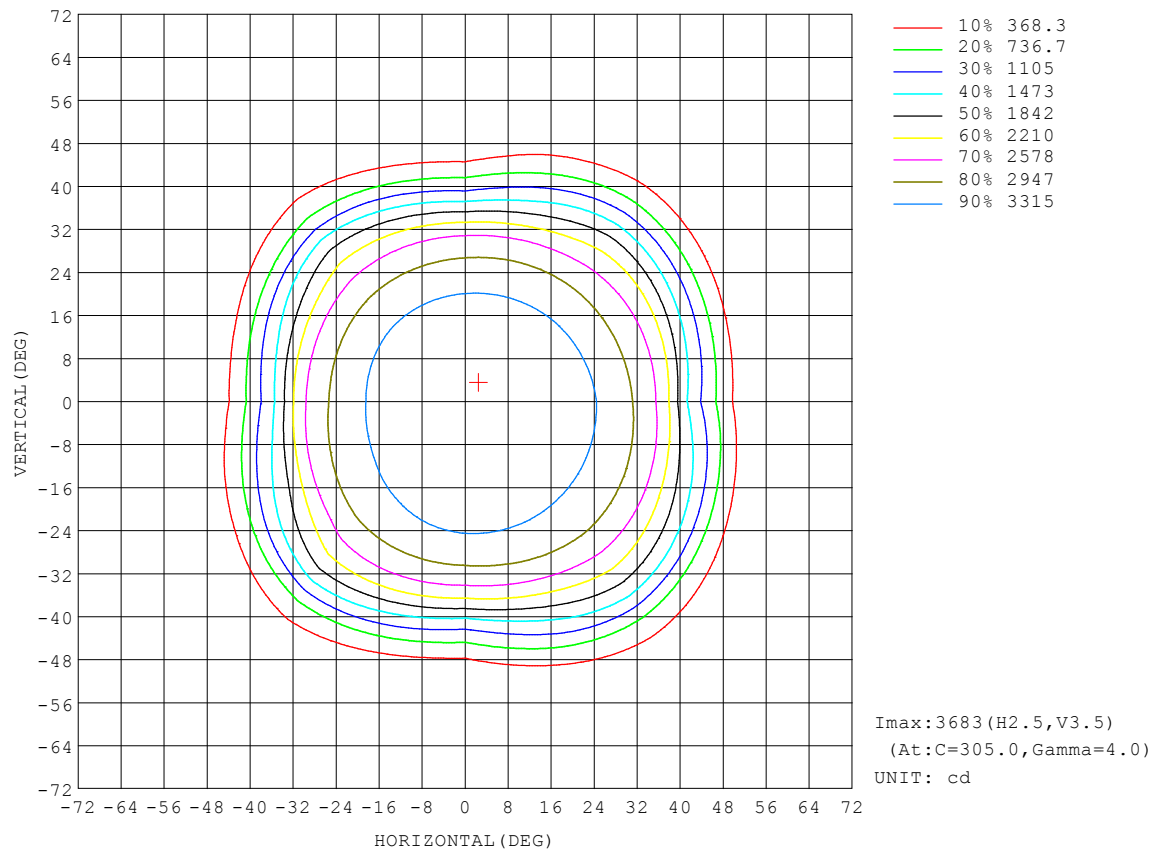
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	63	58	70	62	58	68	61	57	52
0.80	80	72	67	78	71	66	75	69	65	59
1.00	86	78	73	84	77	72	80	75	71	64
1.25	91	84	79	89	82	78	84	79	76	68
1.50	94	88	83	92	86	82	87	82	79	70
2.00	99	93	88	96	90	87	90	86	83	73
2.50	101	96	92	98	93	89	92	88	85	74
3.00	103	99	95	100	96	92	93	90	87	75
4.00	106	102	99	102	99	96	95	92	90	77
5.00	108	104	101	103	101	98	96	94	92	78
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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

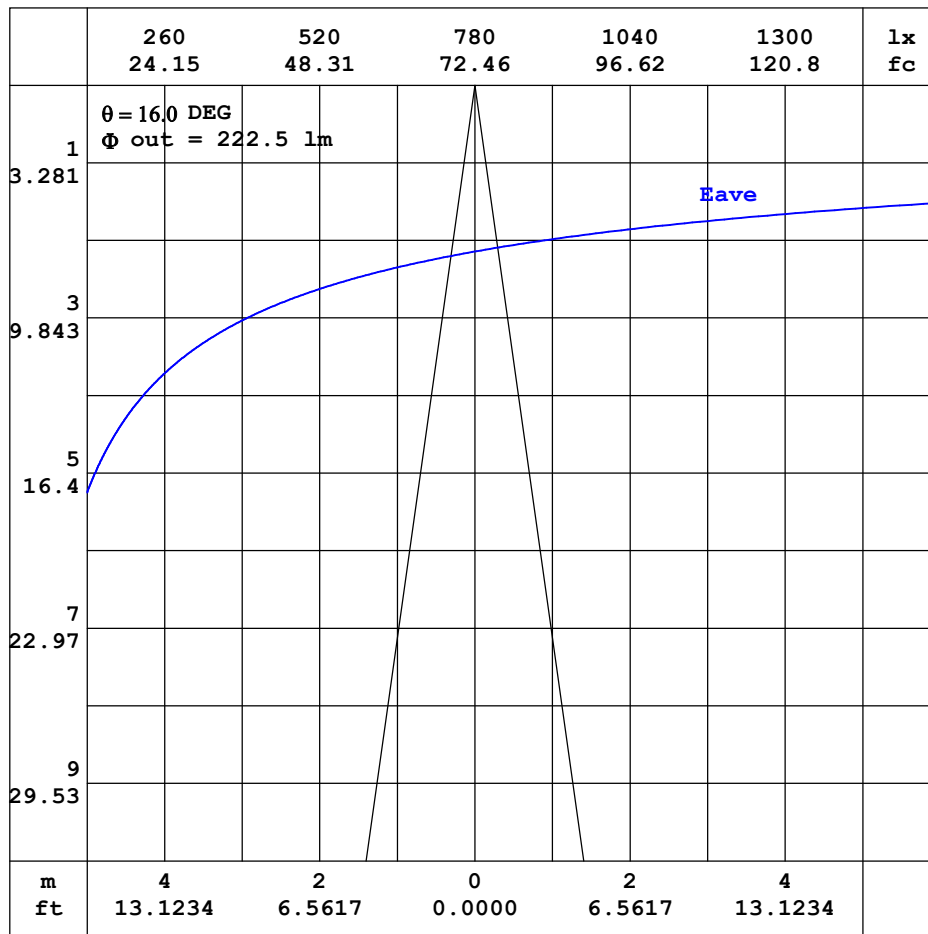


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



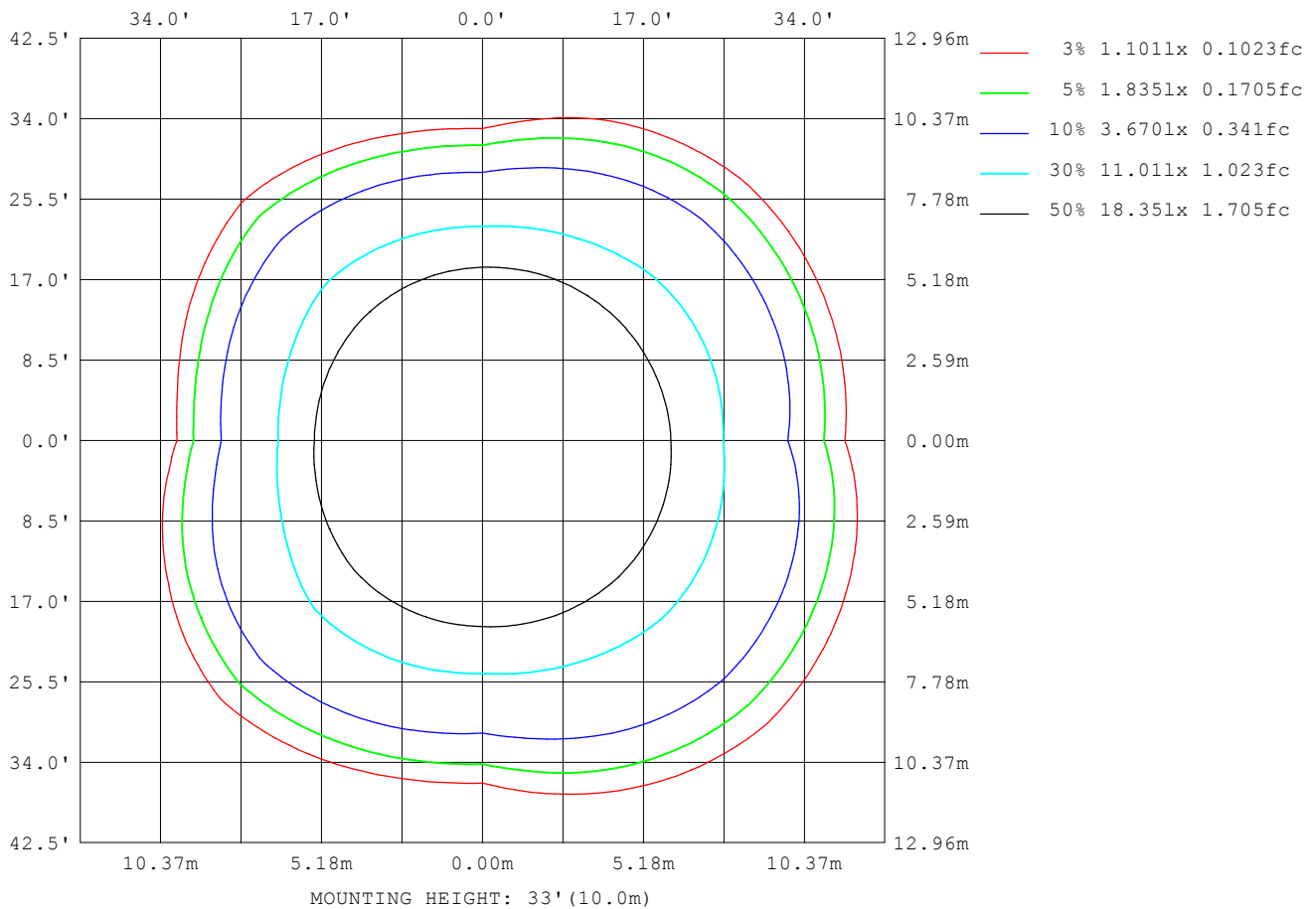
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

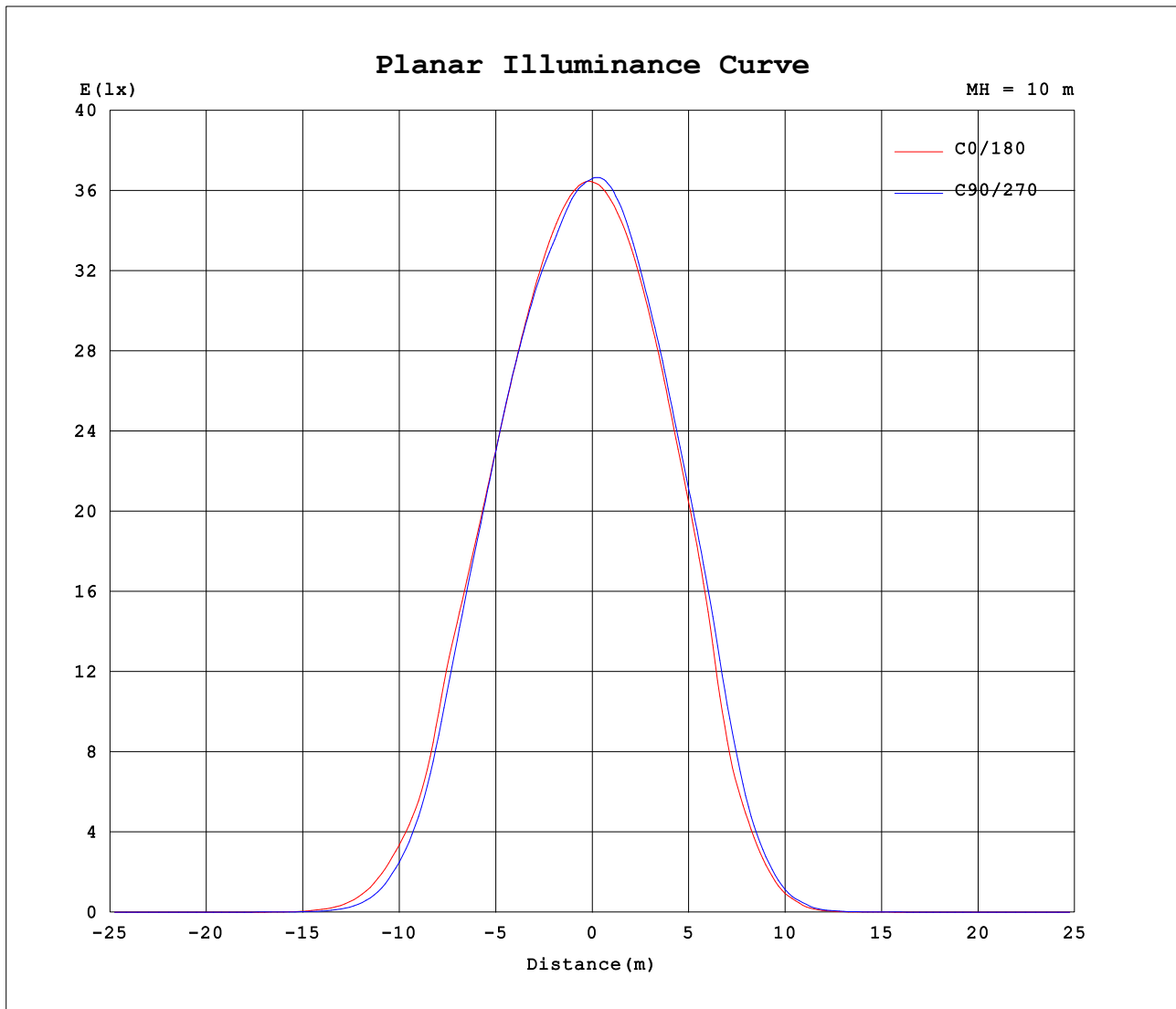
AvgL	cd/m2
L_0~180 (65) av	329
L_0~180 (75) av	354
L_0~180 (85) av	5038
L_90~270 (65) av	398
L_90~270 (75) av	408
L_90~270 (85) av	686
L_45 (65) av	427
L_45 (75) av	391
L_45 (85) av	2161

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						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	3644	3644	3645	3645	3646	3647	3647	3648	3649	3650	3651	3652	3653	3655	3656	3657	3658	3659	3660
5	3648	3647	3646	3645	3643	3642	3641	3640	3639	3638	3636	3635	3634	3633	3631	3630	3629	3628	3627
10	3618	3615	3611	3607	3604	3600	3597	3593	3590	3586	3583	3579	3576	3572	3569	3566	3564	3561	3559
15	3561	3552	3544	3536	3530	3524	3519	3515	3512	3510	3511	3513	3515	3517	3520	3522	3524	3525	3526
20	3458	3455	3452	3450	3447	3445	3444	3442	3441	3441	3443	3445	3447	3449	3450	3451	3451	3450	3448
25	3291	3295	3298	3301	3304	3306	3308	3309	3310	3311	3312	3313	3313	3312	3310	3308	3304	3300	3294
30	3025	3042	3057	3070	3080	3088	3094	3098	3099	3098	3091	3082	3072	3060	3046	3032	3017	3002	2987
35	2630	2666	2697	2723	2743	2759	2768	2773	2772	2765	2740	2711	2678	2643	2606	2569	2533	2499	2467
40	1731	1854	1961	2053	2129	2189	2233	2261	2274	2272	2210	2136	2052	1963	1871	1779	1691	1610	1539
45	953	1104	1236	1349	1442	1516	1570	1605	1620	1616	1541	1451	1348	1239	1125	1011	901	799	709
50	342	438	522	594	654	701	735	757	767	765	717	660	595	525	452	379	309	244	186
55	63.5	110	150	185	214	238	255	268	274	275	255	231	204	174	143	112	81.6	53.6	28.9
60	10.0	24.3	37.0	47.9	57.2	64.9	70.8	75.1	77.7	78.7	73.9	67.8	60.6	52.6	44.2	35.6	27.2	19.1	11.9
65	7.50	8.71	9.79	10.7	11.6	12.3	12.8	13.3	13.6	13.7	13.5	13.2	12.8	12.3	11.8	11.2	10.6	10.1	9.49
70	5.70	5.84	5.97	6.10	6.23	6.36	6.48	6.60	6.72	6.83	6.98	7.12	7.26	7.38	7.49	7.59	7.66	7.72	7.76
75	4.46	4.60	4.73	4.86	4.98	5.10	5.21	5.32	5.43	5.52	5.64	5.74	5.84	5.92	6.00	6.07	6.12	6.16	6.19
80	3.67	3.80	3.92	4.04	4.15	4.24	4.34	4.42	4.49	4.56	4.62	4.66	4.71	4.74	4.77	4.79	4.80	4.81	4.81
85	40.4	34.6	29.2	24.3	19.9	15.9	12.3	9.13	6.43	4.16	3.28	3.31	3.33	3.35	3.35	3.35	3.34	3.32	3.56
90	114	109	104	99.4	94.3	88.9	83.4	77.7	71.8	65.7	57.9	50.0	42.2	34.5	27.1	20.0	13.4	7.41	2.09
95	178	174	170	165	159	152	145	137	129	119	106	92.1	78.1	64.2	50.5	37.3	24.9	13.5	3.33
100	219	215	210	204	197	190	181	172	162	151	136	119	103	86.5	70.6	55.4	41.3	28.5	17.5
105	261	256	249	242	234	225	215	205	194	181	164	146	128	110	92.4	76.1	61.1	47.9	36.7
110	301	293	285	275	266	255	244	232	220	207	188	169	150	132	114	97.3	82.2	68.9	57.9
115	328	318	308	298	287	275	263	250	237	224	205	186	168	150	132	116	102	89.8	79.8
120	338	329	319	309	298	287	275	263	250	238	220	201	184	166	150	135	122	111	102
125	353	342	331	319	308	296	284	271	259	247	229	212	196	180	166	153	141	132	125
130	359	347	335	323	311	299	288	276	264	253	237	222	207	194	182	171	162	155	150
135	351	340	329	318	307	297	286	276	266	256	243	230	218	207	197	189	182	177	175
140	339	329	320	310	301	293	284	276	268	260	249	239	229	221	213	207	203	200	200
145	332	323	314	306	298	290	283	276	270	264	255	247	240	234	229	225	223	222	224
150	319	312	305	299	292	287	281	277	272	268	262	257	252	248	245	244	243	244	247
155	308	303	298	293	289	285	281	278	276	273	270	267	264	262	261	261	262	264	268
160	300	297	293	290	288	285	283	282	280	280	278	277	276	276	277	278	280	282	286
165	297	295	293	291	290	288	288	287	287	287	287	287	287	288	289	290	292	294	301
170	299	298	297	296	295	295	295	295	295	295	296	297	299	300	302	304	306	309	312
175	307	306	305	305	304	304	304	304	305	305	306	307	308	310	311	313	315	316	318
180	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm																		
NAME: 4FT									TYPE:3500K 2.8					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					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	3662	3663	3664	3664	3665	3665	3666	3665	3665	3663	3661	3658	3656	3653	3650	3648	3646	3644	3643
5	3627	3627	3627	3627	3628	3627	3627	3627	3627	3624	3621	3619	3616	3614	3612	3610	3609	3608	3610
10	3559	3558	3558	3558	3558	3558	3558	3558	3558	3556	3554	3551	3549	3547	3546	3544	3544	3544	3547
15	3520	3513	3506	3498	3490	3482	3474	3466	3458	3452	3448	3443	3440	3437	3435	3433	3433	3433	3436
20	3440	3431	3421	3410	3398	3386	3373	3361	3348	3334	3321	3309	3296	3285	3274	3265	3257	3250	3249
25	3285	3275	3264	3252	3238	3223	3207	3190	3172	3148	3123	3098	3073	3049	3026	3005	2986	2970	2967
30	2981	2976	2969	2962	2953	2942	2930	2914	2896	2854	2810	2765	2720	2675	2632	2592	2555	2524	2522
35	2475	2485	2495	2504	2509	2511	2506	2493	2470	2371	2264	2152	2038	1926	1819	1721	1633	1561	1591
40	1570	1611	1658	1709	1760	1806	1846	1875	1890	1786	1670	1544	1414	1282	1154	1033	923	829	856
45	731	765	808	857	908	958	1003	1041	1068	994	909	816	719	619	521	427	341	266	278
50	196	213	237	264	294	325	354	379	400	368	330	288	244	199	154	111	72.0	37.8	45.9
55	34.1	42.9	54.5	68.0	82.7	97.7	112	125	137	127	114	100	85.3	69.4	53.4	37.9	23.4	10.4	11.9
60	11.9	12.8	14.3	16.5	19.0	21.6	24.3	26.9	29.2	27.6	25.6	23.3	20.8	18.2	15.4	12.8	10.2	7.81	7.25
65	9.27	9.09	8.93	8.80	8.68	8.57	8.47	8.38	8.28	8.05	7.81	7.58	7.35	7.13	6.92	6.72	6.54	6.39	6.35
70	7.70	7.62	7.52	7.40	7.27	7.12	6.97	6.81	6.65	6.49	6.34	6.19	6.04	5.90	5.77	5.65	5.53	5.43	5.37
75	6.15	6.11	6.04	5.97	5.89	5.80	5.70	5.60	5.50	5.40	5.31	5.22	5.13	5.04	4.95	4.87	4.79	4.71	4.64
80	4.81	4.80	4.79	4.77	4.75	4.72	4.69	4.66	4.62	4.58	4.53	4.48	4.43	4.37	4.31	4.25	4.19	4.13	4.06
85	3.60	3.65	3.71	3.77	3.84	3.90	3.96	4.02	4.06	4.03	3.99	3.95	3.89	3.83	3.76	3.69	3.62	3.55	3.51
90	1.99	2.07	2.15	2.23	2.31	2.38	2.45	2.49	3.70	3.70	3.67	3.63	3.57	3.50	3.42	3.33	3.24	3.15	3.17
95	0.34	0.32	0.54	0.78	1.03	1.66	3.93	6.44	9.03	8.59	8.09	7.56	7.04	6.58	6.22	5.99	5.94	6.11	8.03
100	16.3	16.8	18.7	21.8	25.7	30.3	35.1	39.9	44.5	42.8	40.8	38.5	36.1	33.7	31.5	29.6	28.1	27.2	31.5
105	37.4	40.2	44.7	50.5	57.3	64.8	72.5	80.1	87.2	86.7	85.6	84.0	82.0	79.8	77.6	75.4	73.6	72.1	75.6
110	59.0	62.3	67.5	74.2	82.0	90.6	99.6	109	117	120	121	123	123	124	124	124	124	123	126
115	82.1	86.7	93.2	101	110	120	131	141	151	154	157	159	160	161	161	162	162	162	164
120	106	113	121	131	142	153	165	177	188	192	195	197	198	199	199	199	199	199	201
125	132	140	150	162	175	188	202	215	228	232	235	237	239	240	240	240	240	239	242
130	158	168	180	194	208	223	238	252	266	271	275	278	280	282	282	283	282	282	284
135	184	196	209	223	239	255	270	286	300	306	312	316	319	321	322	323	323	323	325
140	210	222	236	251	266	282	298	314	329	336	342	348	352	355	357	358	359	359	360
145	234	247	260	275	290	306	322	337	351	359	366	372	377	381	384	387	388	388	388
150	257	268	281	295	309	323	338	351	365	373	381	388	393	398	402	404	406	407	406
155	277	287	298	310	322	334	346	358	370	378	386	392	398	403	407	410	412	413	412
160	293	302	311	320	330	340	349	359	368	375	382	388	393	397	401	404	406	407	405
165	307	313	319	326	333	340	347	354	361	366	371	375	379	383	385	387	389	389	388
170	315	320	324	328	333	337	341	346	350	353	356	358	361	363	364	365	366	366	365
175	320	323	325	327	329	331	333	335	337	338	339	340	341	342	342	342	343	342	342
180	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm																		
NAME: 4FT									TYPE:3500K 2.8					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					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	3644	3644	3644	3645	3646	3647	3648	3650	3651	3652	3653	3655	3656	3657	3658	3659	3660	3662	3663
5	3613	3617	3621	3625	3629	3634	3639	3643	3647	3651	3654	3657	3660	3663	3666	3668	3671	3673	3676
10	3551	3556	3561	3566	3572	3577	3583	3588	3591	3593	3596	3598	3601	3603	3605	3607	3610	3614	3619
15	3440	3444	3449	3454	3459	3465	3470	3474	3475	3476	3477	3477	3478	3478	3479	3480	3482	3488	3494
20	3250	3252	3255	3259	3263	3268	3274	3280	3283	3286	3290	3294	3298	3302	3306	3311	3316	3323	3330
25	2966	2968	2972	2978	2985	2992	3001	3010	3013	3016	3019	3023	3027	3032	3037	3044	3051	3062	3074
30	2525	2533	2544	2559	2575	2593	2612	2630	2634	2637	2641	2644	2647	2652	2657	2663	2671	2688	2706
35	1635	1691	1757	1828	1901	1974	2044	2108	2093	2070	2043	2012	1980	1949	1921	1899	1884	1927	1978
40	899	955	1020	1091	1164	1236	1304	1363	1324	1276	1223	1168	1113	1061	1017	981	959	1034	1122
45	302	335	375	420	466	513	556	595	565	530	491	452	415	381	353	332	322	388	464
50	59.3	77.0	97.6	120	144	166	188	206	190	171	151	130	109	90.1	73.9	61.5	54.1	84.0	119
55	15.2	19.8	25.5	31.9	38.6	45.3	51.5	57.0	52.2	46.6	40.5	34.2	28.2	22.7	18.0	14.6	12.6	22.6	33.9
60	6.95	6.85	6.94	7.18	7.53	7.97	8.47	8.98	8.75	8.53	8.35	8.23	8.18	8.25	8.44	8.78	9.29	11.2	13.2
65	6.33	6.34	6.37	6.41	6.47	6.53	6.61	6.70	6.77	6.84	6.92	6.99	7.07	7.14	7.21	7.27	7.33	7.35	7.36
70	5.33	5.30	5.29	5.28	5.28	5.29	5.31	5.34	5.37	5.41	5.46	5.51	5.56	5.61	5.66	5.71	5.76	5.79	5.82
75	4.58	4.52	4.47	4.42	4.38	4.34	4.31	4.29	4.27	4.27	4.26	4.27	4.28	4.29	4.31	4.34	4.37	4.44	4.50
80	3.99	3.92	3.85	3.78	3.71	3.64	3.58	3.52	3.45	3.38	3.32	3.27	3.23	3.20	3.18	3.18	3.20	3.31	3.44
85	3.47	3.43	3.39	3.35	3.31	3.27	3.22	3.17	2.65	2.43	2.42	2.41	2.39	2.36	2.34	2.32	2.42	4.49	6.81
90	3.18	3.20	3.21	3.20	3.18	3.15	3.09	3.00	1.86	1.62	1.36	1.09	0.82	0.57	0.34	0.15	0.40	8.48	17.5
95	10.1	12.4	14.6	16.9	19.0	21.0	22.7	24.1	21.1	17.9	14.8	12.0	9.74	8.22	7.68	8.36	10.5	21.2	33.3
100	36.4	41.6	46.9	52.2	57.2	61.8	65.8	68.9	63.7	57.8	51.5	45.4	39.6	34.6	30.7	28.3	27.7	38.8	51.8
105	79.4	83.5	87.6	91.5	95.1	98.2	101	102	95.3	87.9	80.1	72.4	65.2	58.8	53.6	49.9	48.2	58.3	70.3
110	128	130	132	133	134	134	134	132	124	115	106	97.3	89.1	81.9	76.0	71.8	69.7	79.5	91.4
115	166	168	170	171	171	171	170	168	158	148	137	127	117	108	101	95.2	91.7	100	111
120	204	206	208	209	209	209	208	205	194	183	171	159	147	137	127	120	114	121	130
125	244	247	248	249	249	249	247	244	232	218	205	191	178	165	154	144	137	142	149
130	287	289	290	290	290	288	286	282	268	253	238	223	208	194	181	170	161	164	169
135	326	327	327	326	325	322	318	312	298	283	267	251	236	221	207	195	185	186	190
140	361	360	359	357	354	350	344	338	323	308	292	276	261	246	232	219	209	209	211
145	387	386	383	380	375	369	363	355	341	327	312	297	282	268	254	242	232	230	230
150	404	401	398	393	387	381	373	365	352	339	326	312	299	287	275	264	254	251	250
155	409	406	401	396	390	383	376	367	357	346	334	323	312	301	291	282	274	270	268
160	402	399	395	390	384	378	371	364	355	347	338	329	321	312	305	297	291	287	285
165	386	383	379	375	371	366	361	355	349	343	337	332	326	320	315	309	305	302	299
170	363	361	359	356	353	350	347	344	340	337	333	330	327	323	320	317	314	312	310
175	341	339	338	337	335	334	332	330	329	328	327	326	324	323	322	321	320	319	318
180	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316

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:120.6V I:0.3960A P:47.60W PF:0.9900 Freq:60.00Hz Lamp Flux:6211.09x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						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	3664	3664	3665	3665	3666	3665	3665	3664	3663	3661	3659	3656	3654	3651	3647				
5	3678	3679	3681	3682	3682	3682	3682	3680	3678	3676	3672	3669	3664	3660	3654				
10	3623	3627	3631	3635	3638	3641	3643	3643	3643	3641	3639	3637	3633	3629	3624				
15	3500	3507	3514	3521	3528	3534	3541	3545	3548	3552	3554	3557	3558	3560	3561				
20	3337	3345	3353	3361	3370	3378	3386	3394	3402	3410	3418	3426	3434	3442	3450				
25	3087	3101	3115	3129	3144	3159	3174	3187	3200	3214	3227	3240	3252	3265	3278				
30	2725	2746	2767	2789	2812	2835	2858	2877	2896	2915	2934	2953	2971	2989	3007				
35	2035	2097	2162	2230	2298	2364	2428	2467	2502	2533	2560	2582	2601	2615	2624				
40	1219	1323	1431	1538	1643	1742	1832	1869	1894	1907	1908	1897	1873	1838	1791				
45	547	635	725	815	902	984	1058	1088	1108	1117	1115	1104	1082	1049	1006				
50	157	198	240	282	323	361	396	409	418	422	421	415	404	388	367				
55	46.3	59.2	72.3	85.2	97.3	108	118	120	119	117	113	107	99.3	89.3	77.4				
60	15.3	17.4	19.4	21.3	23.0	24.5	25.6	25.4	24.9	23.9	22.6	20.9	18.7	16.2	13.3				
65	7.36	7.36	7.36	7.36	7.35	7.34	7.34	7.35	7.36	7.37	7.39	7.41	7.43	7.45	7.47				
70	5.85	5.87	5.89	5.91	5.92	5.93	5.93	5.92	5.91	5.90	5.88	5.85	5.82	5.78	5.74				
75	4.57	4.64	4.71	4.77	4.82	4.87	4.91	4.90	4.89	4.87	4.83	4.78	4.72	4.64	4.56				
80	3.57	3.71	3.85	3.98	4.11	4.23	4.32	4.34	4.33	4.30	4.25	4.18	4.08	3.97	3.83				
85	9.34	12.0	14.8	17.7	20.6	23.5	26.3	28.3	30.3	32.1	33.7	35.3	36.8	38.1	39.3				
90	27.1	37.3	47.7	58.3	68.6	78.7	88.1	94.0	99.2	104	107	110	112	113	114				
95	46.5	60.5	75.0	89.7	104	119	132	141	149	156	162	167	171	174	177				
100	66.2	81.7	98.1	115	132	148	164	174	183	191	199	205	210	214	217				
105	84.0	98.9	115	132	149	165	182	194	204	214	224	233	241	248	255				
110	105	120	137	154	171	189	206	219	231	243	254	264	274	283	292				
115	124	138	154	171	188	205	223	236	248	261	273	284	296	307	317				
120	141	153	167	182	198	214	230	243	255	267	279	291	303	315	327				
125	159	170	182	196	211	226	242	254	266	278	291	303	316	328	341				
130	177	186	197	209	222	236	250	261	273	284	296	308	320	333	346				
135	196	203	212	222	233	244	257	266	276	285	296	306	317	328	339				
140	214	220	226	234	243	252	262	270	277	285	293	302	311	320	329				
145	232	235	240	245	251	258	266	272	278	285	292	299	307	315	323				
150	250	251	254	257	261	265	271	274	279	283	288	293	299	305	312				
155	267	267	268	269	271	273	276	278	281	284	287	290	294	299	303				
160	283	282	281	281	281	282	283	284	285	286	287	289	292	294	297				
165	297	295	294	292	292	291	291	291	291	291	291	292	293	294	295				
170	308	306	304	303	302	301	300	299	298	298	298	298	298	298	299				
175	316	315	314	313	312	312	311	310	309	309	308	308	308	307	307				
180	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316				

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: