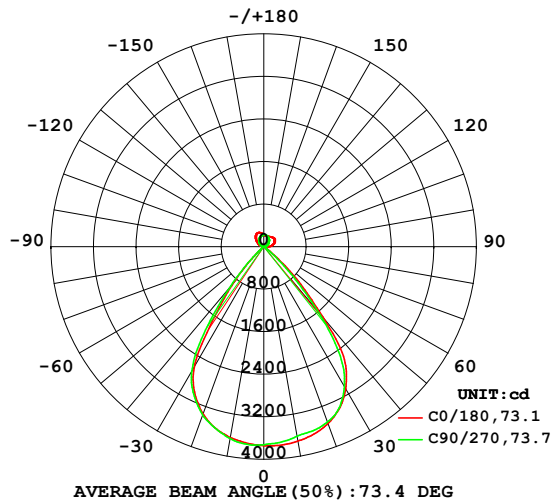


LUMINAIRE PHOTOMETRIC TEST REPORT

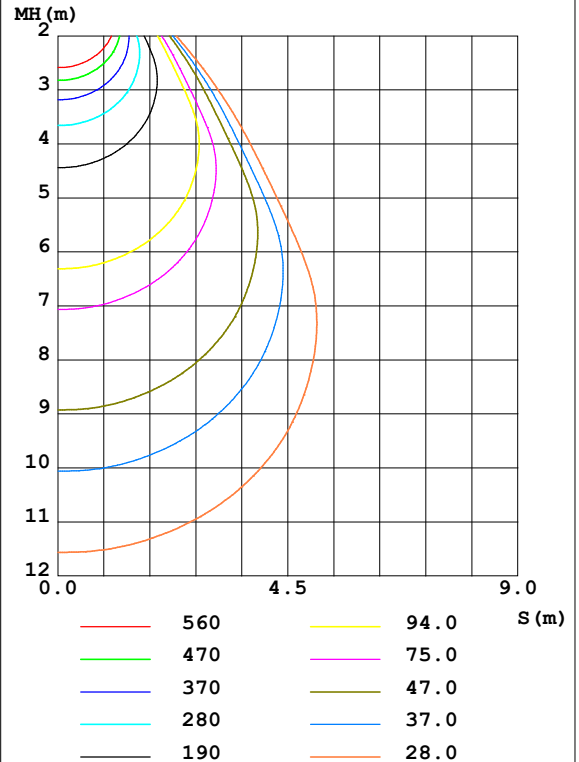
Test:U:120.6V I:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.77 lm/W			
MODEL		I _{max} (cd)	3748	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)	5924.0	η UP,DN(C0-180)	7.3,45.5
NOMINAL FLUX(lm)	5923.97	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.3,39.9
LAMPS INSIDE	1	η up(%)	14.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	85.4	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:

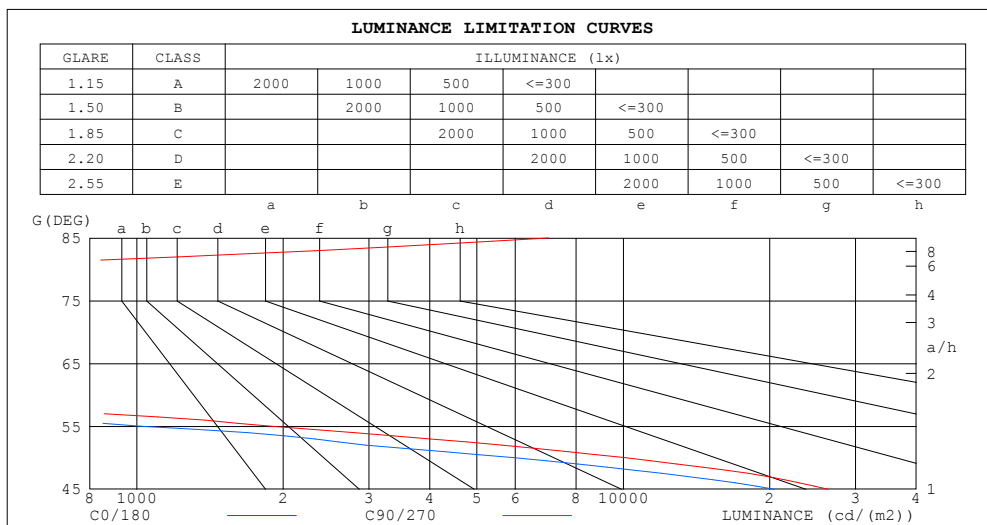
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3711	3661	3619	3611	3643	3661	3664	3684	0- 10	352.7	352.7	5.95,5.95
20	3538	3511	3507	3388	3345	3339	3368	3426	10- 20	1004	1357	22.9,22.9
30	3082	3156	3037	2934	2619	2684	2709	2888	20- 30	1472	2829	47.8,47.8
40	1733	2308	1560	1910	884.1	1416	972.7	1847	30- 40	1431	4260	71.9,71.9
50	323.4	758.0	191.1	409.2	40.87	217.6	53.03	393.8	40- 50	671.5	4931	83.2,83.2
60	9.702	76.54	11.87	30.02	7.873	9.206	9.241	25.70	50- 60	102.5	5034	85,85
70	5.481	6.674	7.695	6.691	5.148	5.274	5.707	5.686	60- 70	10.31	5044	85.1,85.1
80	3.330	4.377	4.742	4.493	3.511	3.387	3.163	3.871	70- 80	5.154	5049	85.2,85.2
90	87.43	49.44	2.026	3.361	2.414	2.759	0.2595	60.93	80- 90	11.78	5061	85.4,85.4
100	155.4	107.5	12.34	32.70	19.87	49.07	19.19	113.2	90-100	47.60	5109	86.2,86.2
110	205.8	147.4	40.57	82.93	85.65	93.41	48.72	141.3	100-110	89.07	5198	87.7,87.7
120	235.1	170.5	71.84	133.3	135.7	143.0	79.82	158.8	110-120	121.4	5319	89.8,89.8
130	249.0	182.0	105.5	190.4	194.7	195.8	111.9	169.7	120-130	140.5	5460	92.2,92.2
140	233.5	186.7	140.7	234.9	249.1	234.8	145.0	179.5	130-140	144.6	5604	94.6,94.6
150	218.6	191.3	175.3	259.3	282.7	254.8	176.3	186.8	140-150	131.1	5735	96.8,96.8
160	207.9	199.2	202.1	261.2	283.4	255.3	202.9	197.0	150-160	102.8	5838	98.6,98.6
170	207.8	209.9	219.7	247.5	255.5	242.2	220.4	210.0	160-170	64.23	5902	99.6,99.6
180	218.0	218.0	218.0	218.0	218.0	218.0	218.0	218.0	170-180	21.59	5924	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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7022	804
80	384	546
75	328	474
70	320	450
65	341	447
60	388	475
55	1889	1018
50	10064	5946
45	26350	20437

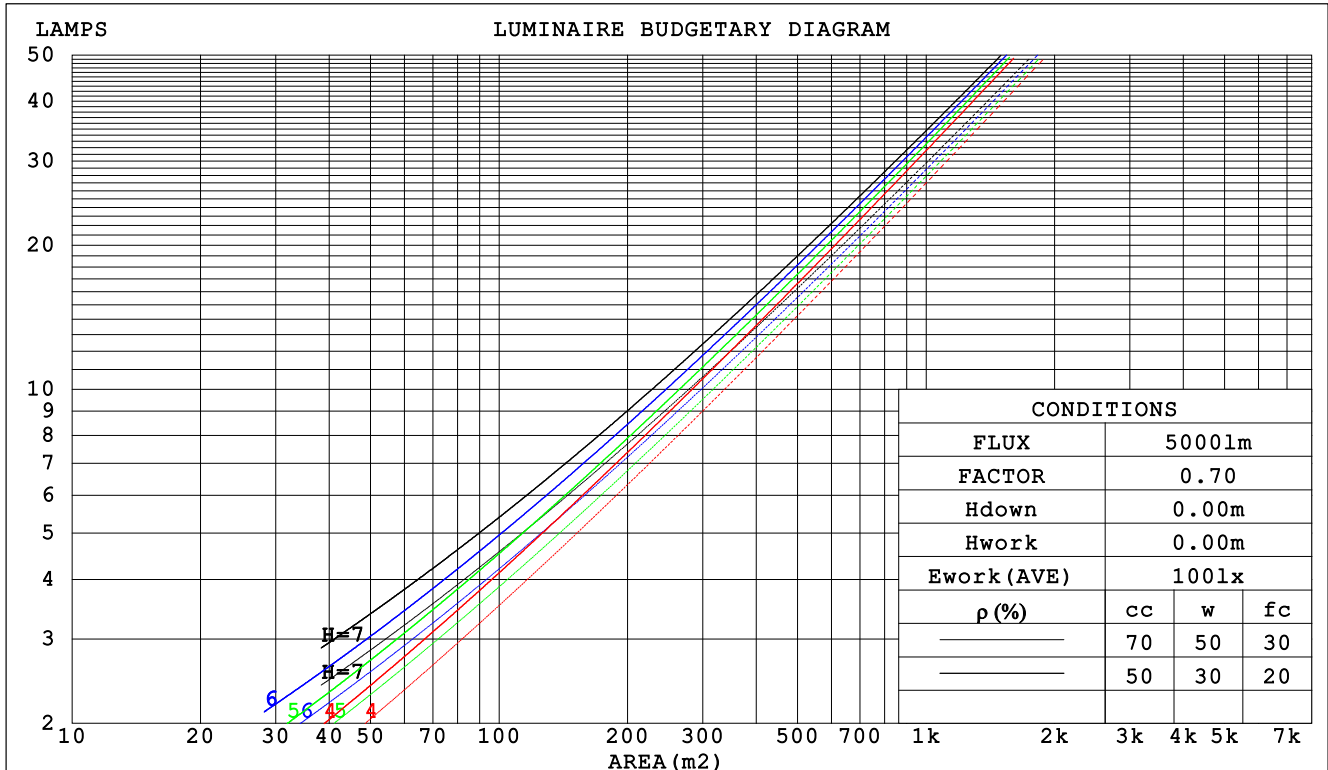
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.85
1.0	1.06	1.03	1.00	1.02	.90	.98	.96	.94	.92	.89	.88	.87	.84	.83	.82	.79
2.0	.97	.92	.88	.94	.90	.86	.88	.85	.82	.83	.81	.78	.78	.76	.75	.72
3.0	.89	.83	.79	.86	.81	.77	.82	.77	.74	.77	.74	.71	.73	.70	.68	.66
4.0	.82	.75	.71	.80	.74	.69	.75	.71	.67	.72	.68	.65	.68	.65	.62	.60
5.0	.75	.69	.64	.73	.67	.63	.70	.65	.61	.67	.62	.59	.64	.60	.57	.55
6.0	.69	.63	.58	.68	.62	.57	.65	.59	.56	.62	.57	.54	.59	.55	.53	.51
7.0	.64	.58	.53	.63	.57	.52	.60	.55	.51	.58	.53	.50	.55	.51	.48	.47
8.0	.60	.53	.48	.58	.52	.48	.56	.51	.47	.54	.49	.46	.52	.48	.45	.43
9.0	.56	.49	.45	.54	.48	.44	.52	.47	.43	.50	.46	.42	.49	.44	.41	.40
10.0	.52	.45	.41	.51	.45	.41	.49	.44	.40	.47	.43	.39	.46	.41	.38	.37



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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm					
NAME: 4FT			TYPE:3000K 1.9		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	.204	.116	.037	.193	.110	.035	.172	.099	.032	.153	.088	.028	.135	.078	.025		
2.0	.196	.107	.033	.186	.102	.032	.167	.093	.029	.150	.084	.026	.135	.076	.024		
3.0	.186	.099	.030	.178	.095	.029	.161	.087	.027	.146	.080	.025	.132	.073	.023		
4.0	.177	.092	.027	.169	.089	.026	.155	.082	.024	.141	.076	.023	.128	.070	.021		
5.0	.168	.086	.025	.161	.083	.024	.148	.077	.023	.136	.072	.021	.124	.066	.020		
6.0	.160	.080	.023	.154	.078	.022	.142	.073	.021	.130	.068	.020	.120	.063	.019		
7.0	.153	.075	.021	.147	.073	.021	.136	.069	.020	.125	.064	.019	.115	.060	.018		
8.0	.146	.071	.020	.140	.069	.020	.130	.065	.019	.120	.061	.018	.111	.057	.017		
9.0	.139	.067	.019	.134	.065	.018	.125	.062	.017	.116	.058	.017	.107	.054	.016		
10.0	.133	.064	.018	.128	.062	.017	.119	.058	.016	.111	.055	.016	.103	.052	.015		

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	.301	.301	.301	.258	.258	.258	.176	.176	.176	.101	.101	.101	.032	.032	.032	
1.0	.285	.269	.255	.244	.231	.219	.167	.159	.152	.096	.092	.088	.031	.030	.028	
2.0	.272	.245	.222	.233	.211	.192	.160	.146	.134	.092	.085	.079	.030	.027	.026	
3.0	.262	.227	.199	.224	.196	.173	.154	.136	.121	.089	.079	.071	.029	.026	.023	
4.0	.253	.213	.183	.217	.184	.159	.149	.128	.112	.086	.075	.066	.028	.024	.022	
5.0	.245	.202	.171	.211	.175	.148	.145	.122	.105	.084	.072	.062	.027	.023	.020	
6.0	.239	.194	.161	.205	.168	.140	.142	.117	.099	.082	.069	.059	.026	.023	.020	
7.0	.233	.187	.154	.200	.162	.134	.138	.113	.095	.080	.067	.057	.026	.022	.019	
8.0	.227	.181	.149	.196	.157	.130	.135	.110	.092	.079	.065	.055	.025	.021	.018	
9.0	.222	.176	.145	.192	.153	.126	.133	.107	.090	.077	.063	.053	.025	.021	.018	
10.0	.218	.172	.141	.188	.149	.123	.130	.105	.087	.076	.062	.052	.025	.020	.017	

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm											
NAME: 4FT					TYPE:3000K 1.9			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	2H	21.3	22.3	21.7	22.7	23.1	20.6	21.6	21.0	22.0	22.4
	3H	21.1	21.9	21.5	22.4	22.9	20.3	21.2	20.8	21.7	22.1
	4H	20.9	21.8	21.4	22.2	22.7	20.2	21.1	20.7	21.5	22.0
	6H	20.8	21.6	21.3	22.1	22.6	20.1	20.9	20.6	21.4	21.9
	8H	20.8	21.5	21.3	22.0	22.5	20.1	20.8	20.6	21.3	21.8
	12H	20.7	21.4	21.3	21.9	22.5	20.0	20.7	20.5	21.2	21.8
4H	2H	21.0	21.8	21.5	22.3	22.8	20.3	21.1	20.8	21.5	22.1
	3H	20.7	21.4	21.3	21.9	22.5	20.0	20.7	20.6	21.2	21.8
	4H	20.6	21.2	21.2	21.8	22.4	19.9	20.5	20.5	21.1	21.7
	6H	20.5	21.0	21.1	21.6	22.2	19.8	20.3	20.4	20.9	21.5
	8H	20.4	20.9	21.0	21.5	22.2	19.7	20.2	20.3	20.8	21.5
	12H	20.4	20.9	21.0	21.5	22.1	19.6	20.1	20.3	20.7	21.4
8H	4H	20.4	20.9	21.0	21.5	22.2	19.7	20.2	20.3	20.8	21.5
	6H	20.3	20.7	20.9	21.3	22.0	19.6	20.0	20.2	20.6	21.3
	8H	20.2	20.6	20.9	21.2	22.0	19.5	19.9	20.2	20.5	21.2
	12H	20.2	20.5	20.9	21.2	22.0	19.4	19.7	20.1	20.4	21.2
12H	4H	20.3	20.8	21.0	21.4	22.1	19.6	20.1	20.3	20.7	21.4
	6H	20.2	20.6	20.9	21.2	21.9	19.5	19.9	20.2	20.5	21.2
	8H	20.1	20.5	20.8	21.1	21.9	19.4	19.7	20.1	20.4	21.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.8 / -15.7					+ 2.8 / -16.1					
1.5H	+ 3.0 / - 9.6					+ 3.3 / -12.6					
2.0H	+ 6.3 / -15.8					+ 6.0 / -15.7					

CIE Pub.117 Corrected 5924 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

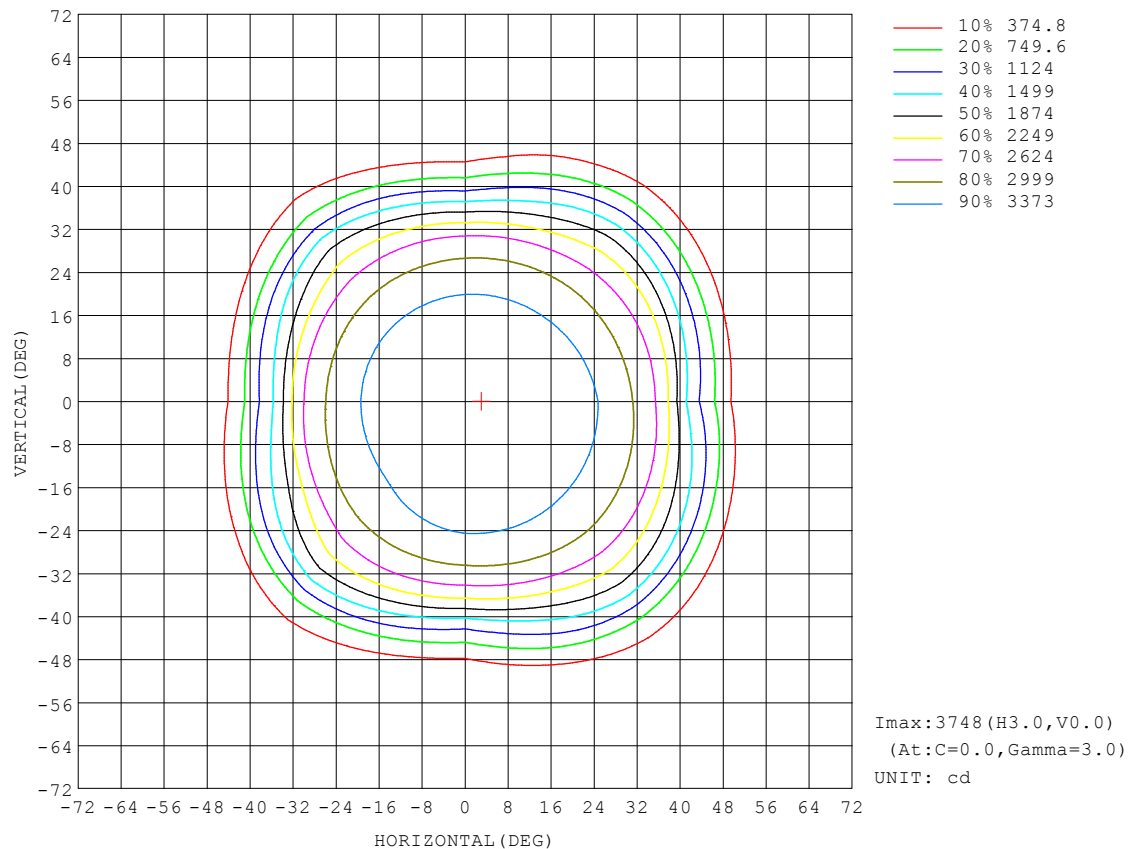
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	66	61	73	66	61	71	65	61	56
0.80	82	75	70	81	74	70	79	73	69	63
1.00	88	81	76	87	80	76	84	79	74	68
1.25	93	87	82	91	85	81	88	83	79	73
1.50	97	91	86	95	89	85	90	86	83	75
2.00	101	95	91	98	93	90	93	90	87	78
2.50	103	98	94	100	96	92	95	92	89	79
3.00	105	101	97	102	98	95	96	93	91	80
4.00	108	104	101	104	101	98	98	96	94	82
5.00	109	106	103	106	103	101	99	97	95	83
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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

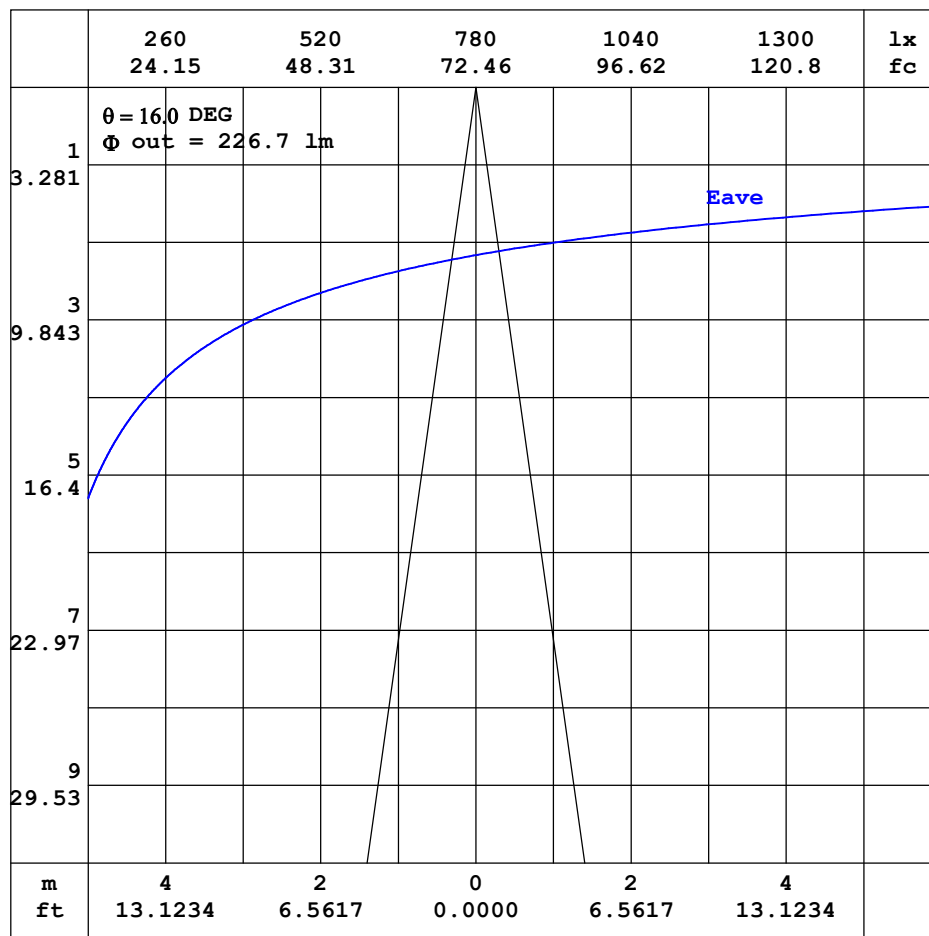


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



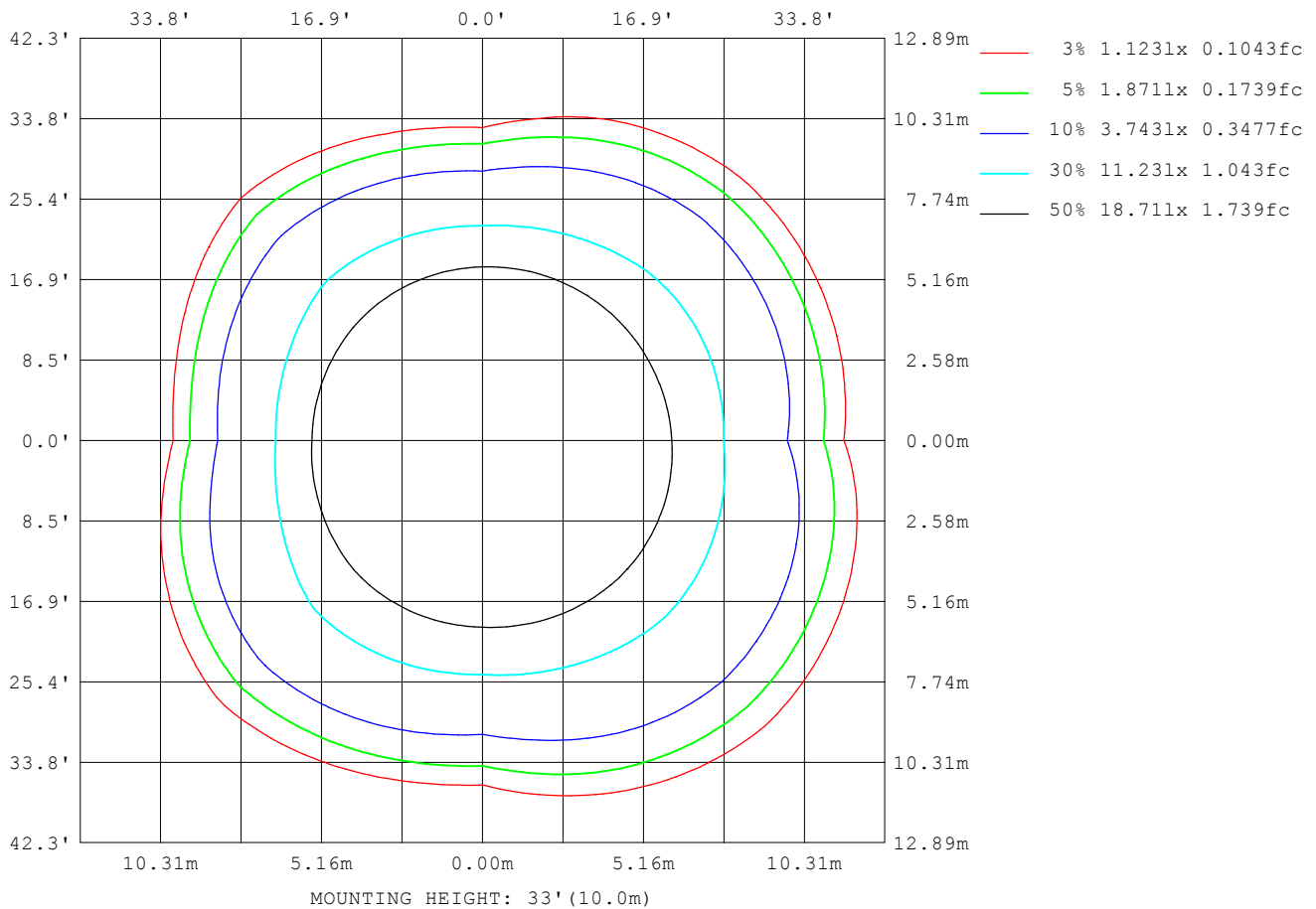
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

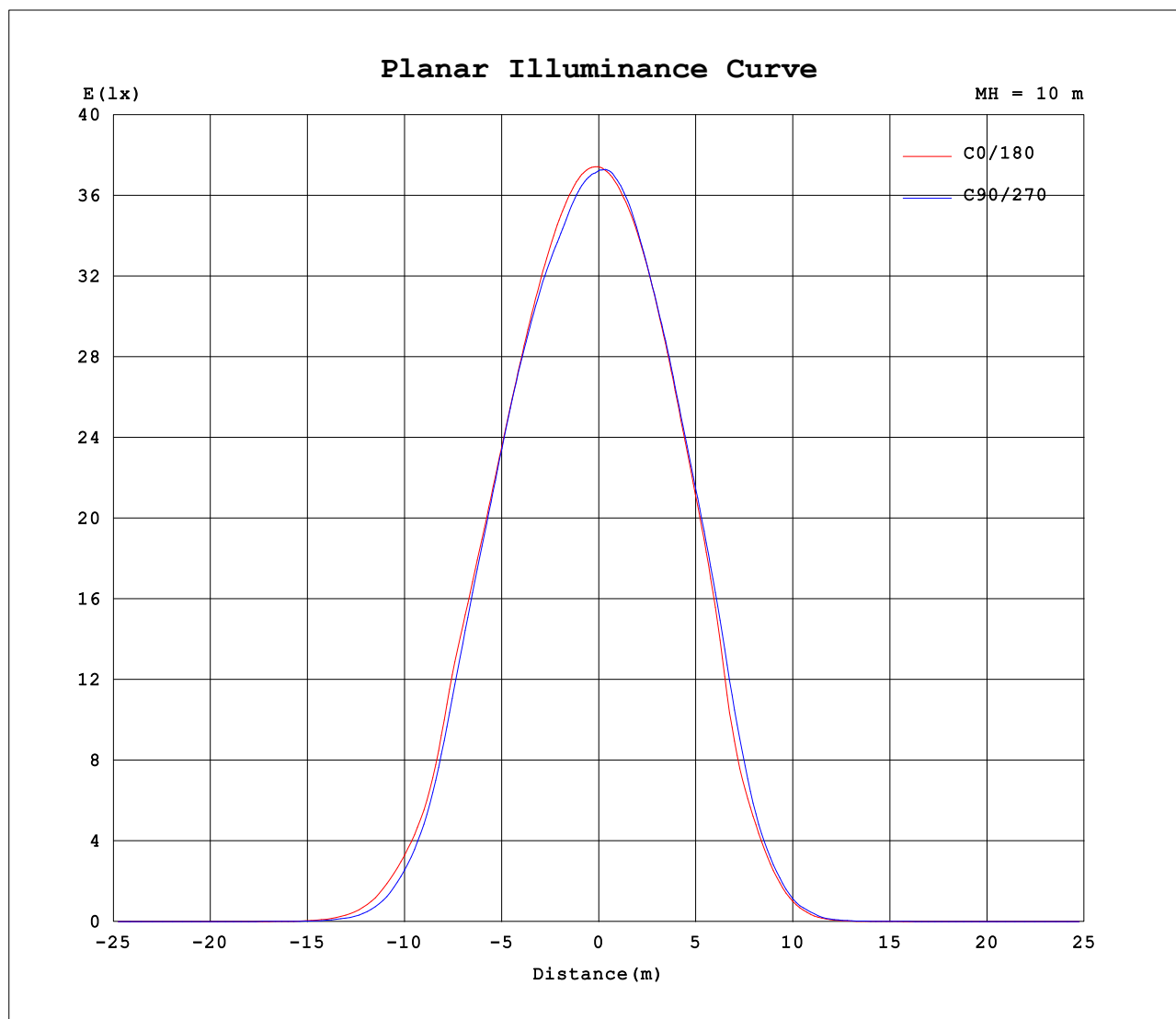
AvgL	cd/m2
L_0~180 (65) av	320
L_0~180 (75) av	327
L_0~180 (85) av	3846
L_90~270 (65) av	396
L_90~270 (75) av	404
L_90~270 (85) av	676
L_45 (65) av	416
L_45 (75) av	379
L_45 (85) av	1649

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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	3743	3741	3739	3737	3735	3733	3732	3731	3729	3728	3727	3727	3726	3726	3726	3725	3725	3724	3724
5	3747	3742	3738	3734	3731	3727	3724	3720	3717	3714	3711	3708	3705	3702	3700	3697	3695	3693	3691
10	3711	3705	3699	3694	3688	3682	3677	3671	3666	3661	3655	3650	3645	3640	3635	3630	3626	3622	3619
15	3649	3638	3627	3618	3609	3601	3595	3589	3584	3580	3579	3579	3580	3581	3582	3583	3584	3584	3583
20	3538	3534	3530	3526	3523	3520	3517	3515	3513	3511	3512	3513	3514	3514	3514	3514	3513	3510	3507
25	3362	3365	3367	3370	3371	3373	3374	3374	3374	3374	3375	3375	3374	3373	3371	3368	3364	3358	3352
30	3082	3100	3115	3128	3139	3147	3153	3156	3157	3156	3148	3139	3127	3114	3100	3085	3069	3053	3037
35	2667	2707	2741	2770	2793	2810	2821	2827	2827	2821	2795	2765	2731	2694	2656	2617	2579	2542	2508
40	1733	1862	1975	2072	2152	2216	2263	2295	2310	2308	2246	2171	2086	1995	1901	1807	1716	1633	1560
45	932	1088	1224	1341	1438	1515	1573	1611	1629	1627	1553	1463	1362	1252	1139	1025	915	813	723
50	323	421	507	580	640	689	724	748	759	758	712	656	592	524	452	381	312	248	191
55	54.2	100	141	176	205	229	247	260	267	268	250	226	199	170	140	110	80.4	53.2	29.2
60	9.70	23.6	35.9	46.6	55.6	63.1	68.9	73.0	75.6	76.5	71.9	66.0	59.0	51.3	43.1	34.8	26.6	18.9	11.9
65	7.20	8.33	9.34	10.2	11.0	11.7	12.2	12.6	12.9	13.1	12.9	12.7	12.3	11.9	11.5	11.0	10.5	9.95	9.45
70	5.48	5.62	5.76	5.90	6.03	6.17	6.30	6.42	6.55	6.67	6.83	6.98	7.13	7.26	7.38	7.49	7.58	7.65	7.70
75	4.24	4.38	4.52	4.66	4.79	4.91	5.03	5.15	5.26	5.37	5.49	5.61	5.72	5.82	5.91	5.99	6.05	6.10	6.13
80	3.33	3.48	3.62	3.76	3.88	4.00	4.10	4.20	4.29	4.38	4.45	4.51	4.57	4.62	4.66	4.69	4.72	4.73	4.74
85	30.6	26.3	22.4	18.8	15.5	12.5	9.85	7.53	5.54	3.87	3.28	3.31	3.34	3.35	3.36	3.36	3.36	3.35	3.50
90	87.4	83.7	79.8	75.8	71.7	67.5	63.2	58.7	54.1	49.4	43.6	37.7	31.8	26.1	20.5	15.3	10.4	5.95	2.03
95	130	127	123	119	115	110	105	98.9	92.6	85.8	76.1	66.2	56.1	46.0	36.1	26.7	17.8	9.62	2.39
100	155	152	149	145	140	135	129	122	115	108	96.3	84.7	73.0	61.4	50.1	39.3	29.2	20.2	12.3
105	182	179	175	170	165	159	153	145	138	129	117	104	91.0	78.2	65.9	54.2	43.4	33.9	25.8
110	206	202	197	192	186	179	172	165	156	147	134	121	107	94.1	81.4	69.4	58.4	48.7	40.6
115	221	217	211	206	199	193	185	177	169	160	147	134	120	107	94.8	83.1	72.6	63.4	55.9
120	235	230	224	217	211	203	196	188	179	171	158	145	132	119	107	96.5	86.8	78.4	71.8
125	247	240	233	226	218	211	203	195	186	178	165	153	141	130	119	109	101	93.6	88.4
130	249	242	235	228	220	213	205	198	190	182	171	160	149	139	130	122	115	109	106
135	244	237	231	224	218	211	205	198	191	185	175	166	157	148	141	134	129	125	123
140	234	228	223	218	213	207	202	197	192	187	179	172	164	158	152	147	144	141	141
145	224	220	216	212	208	204	200	196	192	189	183	178	173	168	164	161	159	159	159
150	219	215	212	208	205	202	199	196	194	191	187	184	180	178	175	174	173	174	175
155	212	210	207	205	203	201	199	198	196	195	192	190	188	187	186	186	186	187	189
160	208	206	205	204	203	202	201	200	200	199	198	197	197	196	197	197	198	200	202
165	206	205	205	204	204	204	204	204	204	204	204	204	205	205	206	207	208	210	212
170	208	208	208	208	208	208	208	209	209	210	210	211	212	213	214	215	216	218	220
175	213	213	214	214	214	215	215	215	216	217	217	218	219	219	220	221	222	223	224
180	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm																		
NAME: 4FT									TYPE:3000K 1.9					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	3722	3721	3720	3718	3717	3716	3715	3715	3715	3718	3721	3724	3728	3731	3734	3738	3740	3743	3742
5	3689	3686	3684	3682	3681	3680	3679	3679	3679	3681	3684	3687	3690	3693	3697	3701	3704	3707	3709
10	3616	3614	3612	3611	3610	3610	3610	3610	3611	3614	3617	3620	3624	3628	3632	3636	3639	3643	3646
15	3575	3566	3557	3548	3539	3529	3521	3513	3506	3506	3508	3510	3512	3516	3520	3524	3528	3532	3534
20	3496	3484	3471	3457	3443	3429	3415	3401	3388	3381	3374	3368	3362	3358	3354	3350	3348	3345	3343
25	3340	3328	3314	3299	3284	3267	3250	3233	3215	3196	3177	3158	3140	3122	3106	3090	3076	3064	3058
30	3029	3020	3012	3003	2992	2980	2967	2952	2934	2899	2861	2823	2785	2747	2711	2677	2646	2619	2615
35	2513	2520	2528	2534	2538	2538	2531	2518	2495	2400	2297	2190	2082	1975	1873	1779	1696	1628	1657
40	1590	1630	1677	1727	1777	1824	1864	1894	1910	1811	1698	1576	1450	1322	1198	1081	975	884	913
45	745	779	822	871	923	973	1019	1057	1085	1011	927	834	737	638	540	447	361	287	301
50	202	220	244	273	303	334	363	389	409	377	338	296	251	205	159	115	75.6	40.9	49.8
55	35.1	44.6	56.7	70.7	85.8	101	116	130	141	131	118	103	87.7	71.3	54.8	38.8	23.9	10.5	12.2
60	12.0	13.1	14.8	17.0	19.6	22.4	25.1	27.7	30.0	28.4	26.3	24.0	21.4	18.6	15.8	13.0	10.3	7.87	7.31
65	9.27	9.11	8.98	8.86	8.76	8.66	8.57	8.47	8.37	8.12	7.87	7.62	7.37	7.13	6.89	6.67	6.48	6.30	6.26
70	7.66	7.59	7.51	7.41	7.29	7.16	7.01	6.86	6.69	6.51	6.32	6.13	5.94	5.76	5.59	5.42	5.28	5.15	5.10
75	6.11	6.08	6.03	5.96	5.88	5.79	5.69	5.58	5.46	5.32	5.17	5.02	4.87	4.73	4.59	4.45	4.33	4.22	4.18
80	4.75	4.74	4.73	4.71	4.69	4.65	4.61	4.56	4.49	4.39	4.28	4.17	4.05	3.94	3.82	3.71	3.61	3.51	3.47
85	3.54	3.58	3.63	3.67	3.72	3.75	3.79	3.81	3.82	3.74	3.65	3.55	3.44	3.33	3.22	3.11	3.01	2.92	2.90
90	1.98	2.05	2.14	2.22	2.31	2.39	2.46	2.51	3.36	3.30	3.22	3.12	3.01	2.89	2.76	2.64	2.52	2.41	2.46
95	0.37	0.32	0.54	0.78	1.03	2.03	3.79	5.72	7.68	7.33	6.92	6.47	6.02	5.60	5.25	4.99	4.86	4.90	6.28
100	11.6	12.1	13.6	16.0	18.9	22.3	25.8	29.4	32.7	31.5	30.1	28.4	26.6	24.9	23.2	21.7	20.6	19.9	22.9
105	26.3	28.2	31.4	35.5	40.3	45.6	51.1	56.5	61.6	61.3	60.6	59.5	58.2	56.7	55.2	53.8	52.5	51.5	53.9
110	41.4	43.7	47.4	52.2	57.8	63.9	70.3	76.7	82.9	84.4	85.4	86.0	86.4	86.5	86.4	86.2	85.9	85.6	87.3
115	57.6	60.9	65.6	71.3	77.9	85.0	92.3	99.6	107	108	110	111	111	111	111	111	111	110	112
120	74.8	79.4	85.4	92.4	100	109	117	125	133	135	137	138	138	138	138	137	136	136	138
125	92.8	98.9	106	115	124	134	144	153	162	165	166	167	168	168	168	167	166	165	167
130	111	119	128	138	148	159	170	181	190	193	196	197	198	198	197	197	196	195	196
135	130	139	148	159	170	182	193	205	215	219	222	224	225	226	226	225	224	223	225
140	148	157	167	178	190	202	213	224	235	239	243	246	248	249	250	250	250	249	250
145	167	176	186	196	207	218	229	240	250	255	259	263	266	267	269	269	270	269	269
150	183	191	200	210	220	230	240	250	259	265	269	273	277	279	281	282	283	283	282
155	196	203	211	220	229	237	246	255	263	268	273	277	280	283	285	287	287	288	286
160	208	214	220	227	234	241	248	255	261	266	270	273	276	279	281	282	283	283	282
165	217	221	226	231	236	241	246	251	256	259	262	265	267	269	270	271	271	271	271
170	223	226	229	232	235	239	242	245	247	249	251	252	254	254	255	255	256	255	255
175	226	227	229	231	232	234	235	236	238	238	239	239	239	239	239	239	239	239	238
180	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm																		
NAME: 4FT									TYPE:3000K 1.9					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	3741	3740	3738	3736	3734	3732	3730	3728	3727	3727	3726	3726	3726	3725	3725	3724	3724	3722	3721
5	3711	3712	3713	3715	3716	3717	3717	3718	3720	3721	3723	3724	3725	3727	3728	3729	3730	3730	3730
10	3648	3651	3653	3655	3657	3658	3660	3661	3662	3662	3662	3662	3663	3663	3663	3664	3664	3666	3668
15	3535	3537	3538	3539	3539	3540	3540	3540	3539	3538	3536	3535	3534	3533	3533	3533	3534	3538	3542
20	3341	3339	3338	3338	3337	3338	3338	3339	3341	3343	3345	3348	3351	3355	3359	3363	3368	3372	3377
25	3055	3053	3052	3053	3054	3057	3060	3064	3066	3068	3071	3074	3078	3082	3087	3094	3101	3110	3120
30	2616	2619	2626	2635	2646	2658	2671	2684	2685	2686	2687	2689	2691	2693	2697	2702	2709	2724	2740
35	1700	1754	1817	1885	1955	2025	2091	2151	2134	2109	2079	2046	2012	1979	1950	1926	1909	1951	2001
40	957	1013	1079	1149	1222	1293	1359	1416	1373	1321	1263	1203	1143	1087	1038	999	973	1047	1134
45	327	362	404	450	497	545	589	627	595	557	515	473	431	394	362	338	325	391	466
50	64.2	83.0	105	128	153	177	199	218	201	181	159	136	114	93.5	75.7	61.8	53.0	82.7	117
55	15.8	20.8	26.8	33.6	40.7	47.7	54.3	60.1	55.0	49.1	42.6	36.0	29.5	23.6	18.6	14.8	12.6	22.8	34.5
60	7.01	6.93	7.04	7.30	7.68	8.15	8.67	9.21	8.95	8.70	8.49	8.33	8.25	8.28	8.44	8.75	9.24	11.2	13.2
65	6.24	6.25	6.27	6.32	6.38	6.45	6.54	6.63	6.70	6.78	6.86	6.94	7.02	7.09	7.16	7.22	7.27	7.27	7.26
70	5.08	5.07	5.08	5.10	5.13	5.17	5.22	5.27	5.32	5.37	5.42	5.47	5.53	5.58	5.62	5.67	5.71	5.72	5.73
75	4.15	4.13	4.13	4.13	4.14	4.16	4.18	4.21	4.21	4.22	4.23	4.24	4.26	4.27	4.29	4.31	4.33	4.37	4.41
80	3.44	3.42	3.41	3.40	3.39	3.39	3.39	3.39	3.35	3.31	3.27	3.24	3.21	3.18	3.17	3.16	3.16	3.24	3.32
85	2.90	2.91	2.92	2.93	2.94	2.95	2.96	2.97	2.63	2.45	2.44	2.42	2.40	2.38	2.36	2.34	2.39	3.69	5.16
90	2.52	2.59	2.65	2.71	2.76	2.78	2.79	2.76	1.87	1.63	1.36	1.09	0.83	0.57	0.34	0.15	0.26	5.66	11.7
95	7.81	9.42	11.1	12.7	14.2	15.6	16.9	17.9	15.7	13.4	11.1	9.02	7.30	6.09	5.58	5.91	7.25	14.5	22.8
100	26.3	29.9	33.7	37.4	40.9	44.1	46.9	49.1	45.3	41.1	36.6	32.2	28.0	24.4	21.6	19.7	19.2	26.7	35.6
105	56.6	59.4	62.2	64.9	67.4	69.5	71.1	72.1	67.3	62.0	56.5	51.1	45.9	41.3	37.6	34.9	33.5	40.2	48.3
110	89.0	90.5	91.9	93.0	93.8	94.2	94.1	93.4	87.6	81.3	75.0	68.8	62.9	57.7	53.5	50.4	48.7	55.3	63.2
115	114	115	117	118	118	118	118	117	110	103	95.7	88.5	81.7	75.6	70.4	66.4	63.9	69.8	77.3
120	140	141	143	144	145	145	144	143	136	128	119	111	103	95.6	89.1	83.7	79.8	84.2	90.2
125	169	170	172	173	173	173	172	170	161	152	143	133	124	116	108	101	95.8	98.7	103
130	198	199	200	201	201	200	198	196	187	177	166	156	145	135	126	118	112	114	117
135	226	226	227	226	225	223	221	217	208	197	186	175	164	154	144	136	129	129	131
140	250	250	249	248	246	243	239	235	225	214	203	192	181	171	161	153	145	145	146
145	269	268	266	264	261	257	253	247	238	228	217	207	196	186	177	168	161	160	160
150	281	279	277	273	270	265	260	255	246	237	227	218	209	199	191	183	176	174	173
155	285	283	280	276	272	268	262	257	249	242	234	226	218	210	203	196	190	188	186
160	281	278	276	272	269	265	260	255	249	243	237	231	225	219	213	208	203	201	199
165	269	267	265	263	260	257	254	250	246	242	237	233	229	224	220	217	213	211	209
170	254	253	251	250	248	246	244	242	240	237	235	232	230	227	225	223	220	219	217
175	238	237	237	236	235	235	234	233	232	232	231	230	229	228	227	226	225	224	223
180	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218

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:0.4180A P:50.30W PF:0.9900 Freq:60.00Hz Lamp Flux:5923.97x1 lm																	
NAME: 4FT									TYPE:3000K 1.9						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	3720	3718	3717	3716	3715	3715	3715	3716	3718	3720	3723	3726	3730	3733	3738				
5	3730	3730	3730	3730	3731	3731	3731	3732	3734	3735	3736	3738	3740	3742	3744				
10	3670	3672	3674	3676	3679	3681	3684	3687	3690	3692	3695	3698	3701	3705	3708				
15	3547	3553	3558	3565	3571	3578	3585	3592	3599	3605	3612	3619	3626	3634	3641				
20	3383	3389	3395	3402	3410	3418	3426	3436	3447	3458	3469	3482	3495	3508	3523				
25	3131	3143	3155	3169	3183	3197	3212	3227	3242	3258	3274	3290	3307	3325	3343				
30	2759	2778	2798	2820	2842	2865	2888	2909	2930	2951	2972	2994	3016	3037	3060				
35	2057	2119	2184	2251	2319	2386	2450	2490	2527	2559	2587	2611	2631	2647	2659				
40	1231	1335	1443	1551	1657	1756	1847	1883	1907	1918	1918	1905	1880	1843	1794				
45	549	637	728	818	905	987	1061	1089	1107	1114	1110	1096	1071	1035	989				
50	156	197	239	281	321	359	394	406	414	416	413	405	393	375	352				
55	47.2	60.5	73.9	87.0	99.3	110	120	121	120	117	112	105	95.2	83.7	70.0				
60	15.3	17.4	19.5	21.4	23.1	24.6	25.7	25.5	24.9	24.0	22.6	20.8	18.6	16.1	13.1				
65	7.24	7.22	7.19	7.16	7.13	7.10	7.07	7.07	7.07	7.08	7.09	7.11	7.12	7.15	7.17				
70	5.74	5.74	5.73	5.73	5.72	5.70	5.69	5.67	5.66	5.64	5.62	5.59	5.57	5.54	5.51				
75	4.44	4.48	4.51	4.54	4.57	4.59	4.60	4.59	4.58	4.55	4.52	4.48	4.43	4.38	4.31				
80	3.40	3.49	3.58	3.67	3.74	3.81	3.87	3.87	3.86	3.83	3.78	3.72	3.65	3.56	3.45				
85	6.78	8.52	10.3	12.2	14.2	16.1	18.1	19.6	21.1	22.6	24.0	25.4	26.8	28.1	29.4				
90	18.3	25.2	32.4	39.7	47.0	54.1	60.9	65.6	69.8	73.6	76.9	79.9	82.4	84.5	86.2				
95	31.8	41.5	51.5	61.7	72.0	82.0	91.7	98.2	104	109	114	118	122	125	128				
100	45.4	56.1	67.4	79.0	90.6	102	113	120	127	133	138	143	147	151	153				
105	57.5	67.6	78.5	89.8	101	113	124	133	140	147	154	161	167	172	178				
110	72.5	82.7	93.8	105	117	129	141	150	158	166	173	181	187	194	200				
115	86.2	96.1	107	118	130	142	154	162	171	179	187	194	201	208	215				
120	97.5	106	115	126	136	147	159	167	176	184	193	201	210	218	227				
125	109	116	125	134	143	154	164	173	181	190	199	208	218	227	237				
130	121	127	134	142	151	160	170	177	185	194	202	211	220	230	239				
135	135	139	145	151	159	167	175	181	188	195	203	210	218	226	235				
140	148	151	156	161	166	173	180	185	190	195	201	207	213	220	227				
145	161	163	165	169	173	178	183	186	190	194	199	203	208	213	219				
150	173	174	175	178	180	183	187	189	192	195	198	202	206	210	214				
155	186	185	186	187	188	189	191	193	194	196	198	201	203	206	209				
160	197	196	196	196	196	196	197	197	198	199	200	201	202	204	206				
165	207	206	205	204	204	203	203	203	203	203	203	203	204	204	205				
170	216	215	213	212	212	211	210	209	209	208	208	208	208	208	208				
175	223	222	221	220	220	219	218	217	217	216	216	215	215	214	214				
180	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218				

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: