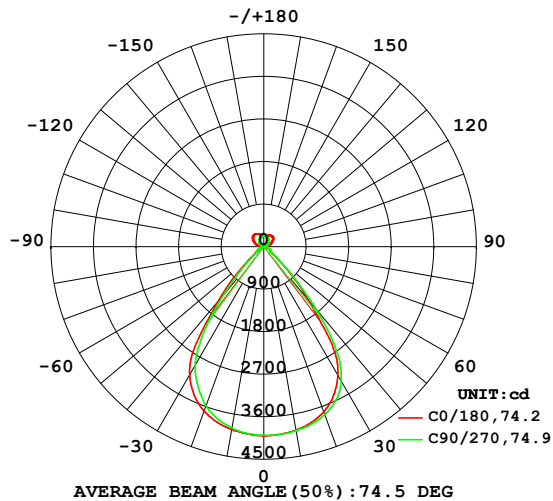


LUMINAIRE PHOTOMETRIC TEST REPORT

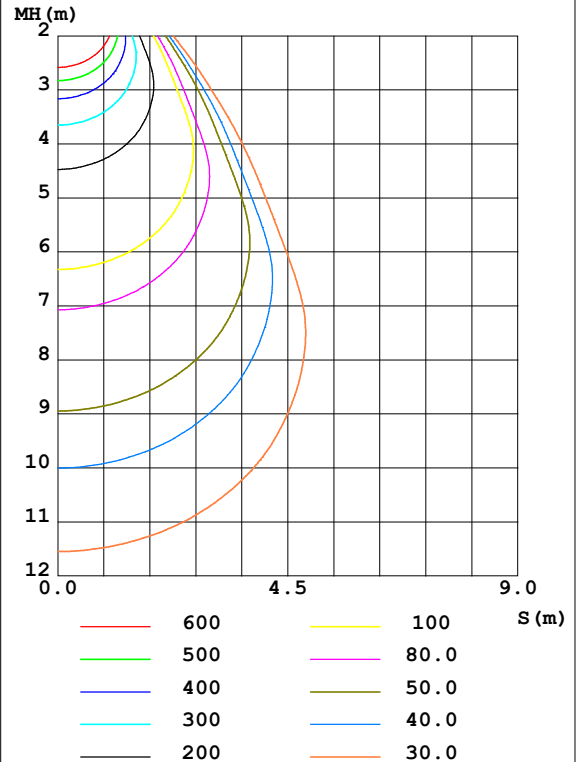
Test:U:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.10 lm/W			
MODEL		I _{max} (cd)	4000	S/MH(C0/180)	1.07
NOMINAL POWER(W)	48W	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6913.4	η UP,DN(C0-180)	7.3,44.8
NOMINAL FLUX(lm)	6913.4	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.5,40.4
LAMPS INSIDE	1	η up(%)	14.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	85.2	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:

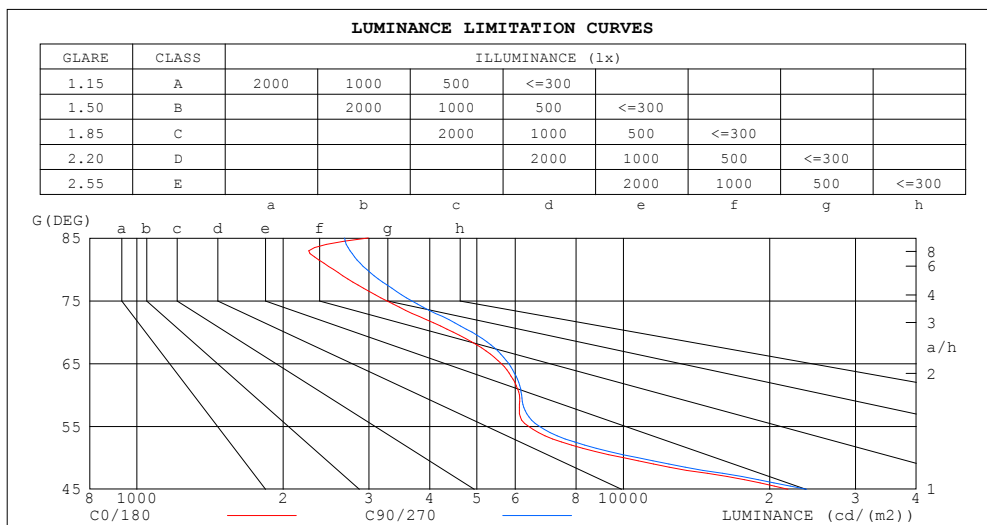
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3941	3946	3953	3944	3929	3914	3895	3896	0- 10	378.0	378.0	5.47,5.47
20	3718	3751	3779	3767	3700	3635	3584	3606	10- 20	1081	1459	21.1,21.1
30	3137	3280	3282	3335	3136	3038	2905	2969	20- 30	1588	3047	44.1,44.1
40	1467	2280	1710	2401	1477	1978	1297	1823	30- 40	1586	4634	67,67
50	321.1	677.2	343.7	792.9	330.6	577.5	261.7	454.0	40- 50	826.7	5460	79,79
60	153.0	180.9	154.5	208.8	155.7	167.4	145.5	147.3	50- 60	244.1	5704	82.5,82.5
70	76.40	79.99	83.52	89.56	78.50	75.60	70.02	65.49	60- 70	116.6	5821	84.2,84.2
80	22.02	24.51	25.76	29.00	23.03	22.78	20.25	18.82	70- 80	48.57	5870	84.9,84.9
90	27.68	15.29	2.013	37.17	46.69	52.88	0.9648	29.50	80- 90	18.11	5888	85.2,85.2
100	90.16	66.92	17.87	106.2	128.1	110.9	22.11	73.09	90-100	57.75	5945	86,86
110	136.7	117.6	50.97	166.9	196.6	170.5	55.85	126.2	100-110	107.3	6053	87.6,87.6
120	195.3	168.6	86.00	222.2	263.1	219.2	91.40	179.0	110-120	152.4	6205	89.8,89.8
130	250.0	202.9	121.7	257.8	313.2	248.6	127.7	216.4	120-130	178.0	6383	92.3,92.3
140	282.4	222.2	157.0	269.9	331.4	257.3	162.3	229.8	130-140	177.0	6560	94.9,94.9
150	275.4	230.2	187.7	263.8	313.1	252.6	192.7	234.5	140-150	151.6	6712	97.1,97.1
160	253.4	232.9	212.4	251.1	276.1	244.0	215.4	233.5	150-160	111.8	6824	98.7,98.7
170	236.6	233.3	228.4	239.4	244.4	237.1	229.8	232.5	160-170	67.27	6891	99.7,99.7
180	227.0	227.0	227.0	227.0	227.0	227.0	227.0	227.0	170-180	22.37	6913	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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 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	2992	2675
80	2536	2967
75	3264	3672
70	4467	4884
65	5610	5814
60	6120	6180
55	6382	6721
50	9992	10693
45	21799	23788

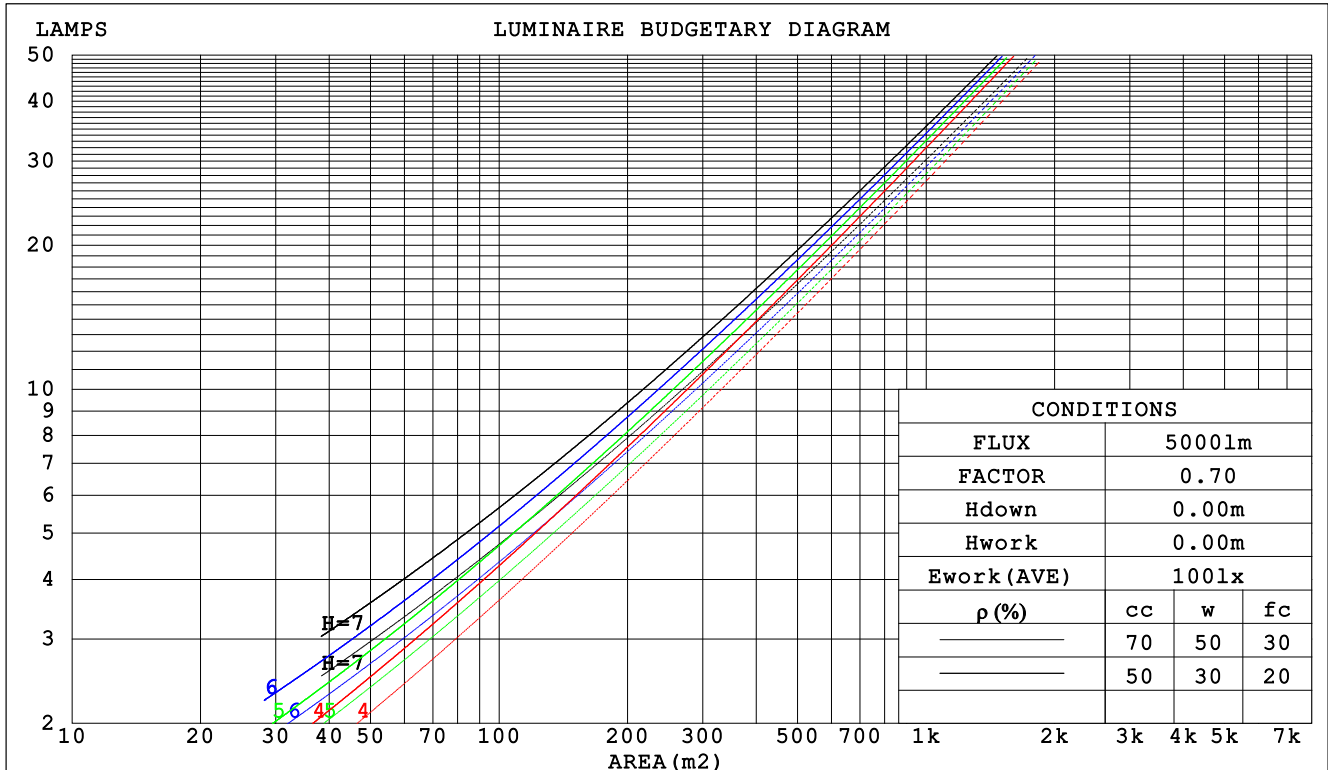
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 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	.95	.95	.95	.88	.88	.88	.85
1.0	1.05	1.02	.99	1.02	.99	.96	.95	.93	.91	.89	.87	.85	.83	.82	.80	.78
2.0	.96	.91	.87	.93	.88	.85	.87	.83	.80	.82	.79	.77	.77	.75	.73	.70
3.0	.87	.81	.76	.85	.79	.75	.80	.75	.72	.75	.72	.69	.71	.68	.66	.64
4.0	.80	.73	.68	.78	.72	.67	.73	.68	.65	.70	.66	.62	.66	.63	.60	.58
5.0	.73	.66	.61	.71	.65	.60	.68	.62	.58	.64	.60	.56	.61	.58	.55	.53
6.0	.67	.60	.55	.66	.59	.54	.63	.57	.53	.60	.55	.51	.57	.53	.50	.48
7.0	.62	.55	.50	.61	.54	.50	.58	.52	.48	.55	.51	.47	.53	.49	.46	.44
8.0	.58	.51	.46	.56	.50	.45	.54	.48	.44	.52	.47	.43	.50	.45	.42	.40
9.0	.53	.47	.42	.52	.46	.42	.50	.45	.41	.48	.43	.40	.46	.42	.39	.37
10.0	.50	.43	.39	.49	.43	.38	.47	.41	.38	.45	.40	.37	.43	.39	.36	.34



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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm					
NAME: 4FT			TYPE:4000K 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	.216	.123	.039	.205	.117	.037	.184	.105	.034	.164	.095	.030	.146	.085	.027		
2.0	.207	.113	.035	.197	.109	.033	.178	.099	.031	.161	.090	.028	.145	.082	.026		
3.0	.196	.105	.031	.188	.100	.030	.171	.093	.028	.155	.085	.026	.141	.078	.024		
4.0	.186	.097	.028	.178	.093	.028	.163	.086	.026	.149	.080	.024	.136	.074	.023		
5.0	.176	.090	.026	.169	.087	.025	.155	.081	.024	.143	.075	.022	.131	.070	.021		
6.0	.167	.084	.024	.160	.081	.023	.148	.076	.022	.136	.071	.021	.126	.066	.020		
7.0	.158	.078	.022	.152	.076	.022	.141	.071	.021	.130	.067	.019	.120	.063	.018		
8.0	.150	.074	.021	.145	.071	.020	.135	.067	.019	.125	.063	.018	.116	.059	.017		
9.0	.143	.069	.019	.138	.067	.019	.129	.064	.018	.120	.060	.017	.111	.056	.016		
10.0	.136	.065	.018	.132	.064	.018	.123	.060	.017	.115	.057	.016	.107	.054	.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	.304	.304	.304	.259	.259	.259	.177	.177	.177	.102	.102	.102	.033	.033	.033	
1.0	.288	.271	.256	.246	.233	.220	.168	.160	.152	.097	.093	.089	.031	.030	.029	
2.0	.276	.247	.223	.236	.213	.193	.162	.147	.134	.093	.086	.079	.030	.028	.026	
3.0	.266	.229	.200	.228	.198	.173	.156	.137	.122	.090	.080	.072	.029	.026	.023	
4.0	.257	.215	.184	.221	.186	.159	.152	.130	.112	.088	.076	.066	.028	.025	.022	
5.0	.250	.205	.172	.214	.177	.149	.148	.124	.105	.086	.073	.062	.028	.024	.021	
6.0	.243	.196	.162	.209	.170	.141	.144	.119	.100	.084	.070	.060	.027	.023	.020	
7.0	.237	.189	.156	.204	.164	.136	.141	.115	.096	.082	.068	.057	.026	.022	.019	
8.0	.232	.183	.150	.199	.159	.131	.138	.112	.093	.080	.066	.055	.026	.022	.018	
9.0	.227	.179	.146	.195	.155	.128	.135	.109	.091	.079	.064	.054	.026	.021	.018	
10.0	.222	.174	.143	.191	.151	.125	.133	.107	.089	.077	.063	.053	.025	.021	.018	

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm										
NAME: 4FT					TYPE:4000K 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	20.5	21.5	21.0	21.9	22.4	20.4	21.4	20.8	21.8	22.2
3H	20.4	21.4	20.9	21.8	22.3	20.3	21.2	20.8	21.7	22.2
4H	20.4	21.2	20.9	21.7	22.2	20.3	21.1	20.8	21.6	22.1
6H	20.3	21.1	20.8	21.6	22.1	20.2	21.0	20.7	21.5	22.0
8H	20.2	21.0	20.8	21.5	22.1	20.1	20.9	20.7	21.4	22.0
12H	20.2	20.9	20.7	21.4	22.0	20.1	20.8	20.6	21.3	21.9
4H 2H	20.3	21.1	20.8	21.6	22.1	20.1	21.0	20.6	21.5	22.0
3H	20.2	21.0	20.8	21.5	22.1	20.1	20.9	20.7	21.4	22.0
4H	20.2	20.9	20.8	21.4	22.0	20.1	20.8	20.7	21.3	21.9
6H	20.1	20.7	20.7	21.3	21.9	20.1	20.6	20.7	21.2	21.9
8H	20.1	20.6	20.7	21.2	21.9	20.0	20.6	20.6	21.1	21.8
12H	20.0	20.5	20.7	21.1	21.8	20.0	20.5	20.6	21.1	21.8
8H 4H	20.1	20.6	20.7	21.2	21.9	20.0	20.5	20.6	21.1	21.8
6H	20.0	20.4	20.7	21.1	21.8	19.9	20.4	20.6	21.0	21.7
8H	20.0	20.4	20.6	21.0	21.7	19.9	20.3	20.6	20.9	21.7
12H	19.9	20.3	20.6	20.9	21.7	19.9	20.2	20.6	20.9	21.6
12H 4H	20.0	20.5	20.6	21.1	21.8	19.9	20.4	20.5	21.0	21.7
6H	20.0	20.3	20.6	21.0	21.7	19.9	20.3	20.5	20.9	21.6
8H	19.9	20.2	20.6	20.9	21.7	19.9	20.2	20.5	20.9	21.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / - 5.3					+ 2.3 / - 5.2				
1.5H	+ 2.9 / - 5.4					+ 3.1 / - 5.0				
2.0H	+ 4.6 / - 3.3					+ 4.1 / - 2.8				

CIE Pub.117 Corrected 6913 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.7)

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

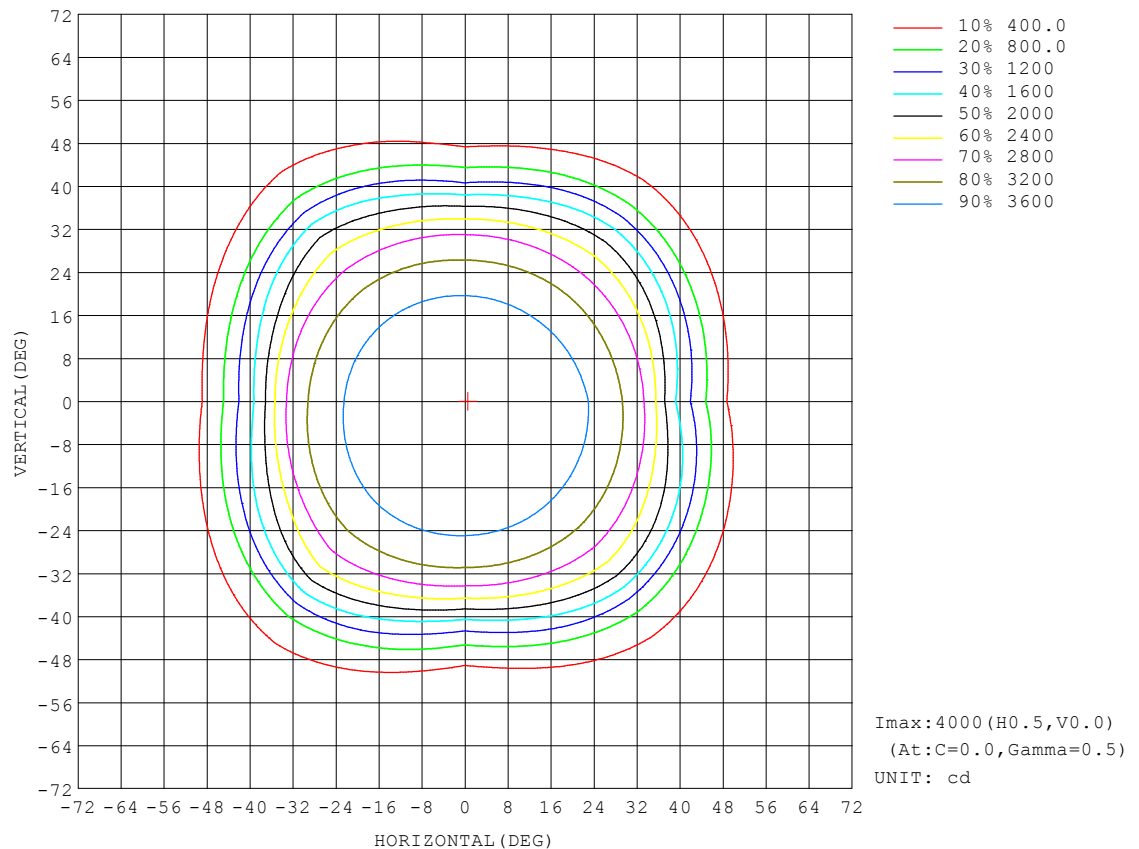
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	63	58	70	62	57	68	61	57	52
0.80	80	71	66	78	71	66	76	69	65	59
1.00	86	78	73	84	77	72	81	76	71	65
1.25	91	84	79	89	83	78	85	80	76	69
1.50	95	88	83	93	87	82	88	84	80	72
2.00	99	93	89	97	91	87	92	88	84	75
2.50	102	97	92	99	94	90	94	90	87	77
3.00	104	99	95	101	97	93	95	92	89	78
4.00	107	103	100	104	100	97	97	95	92	80
5.00	109	105	102	105	102	100	98	96	94	81
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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

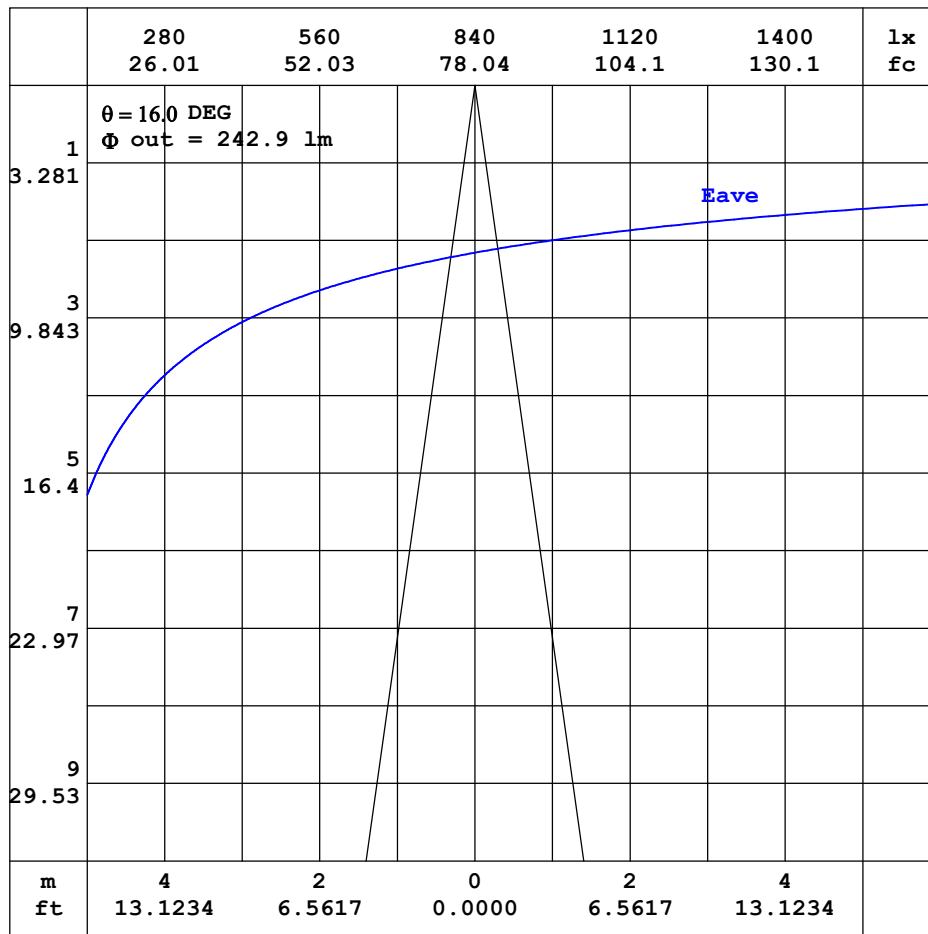


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



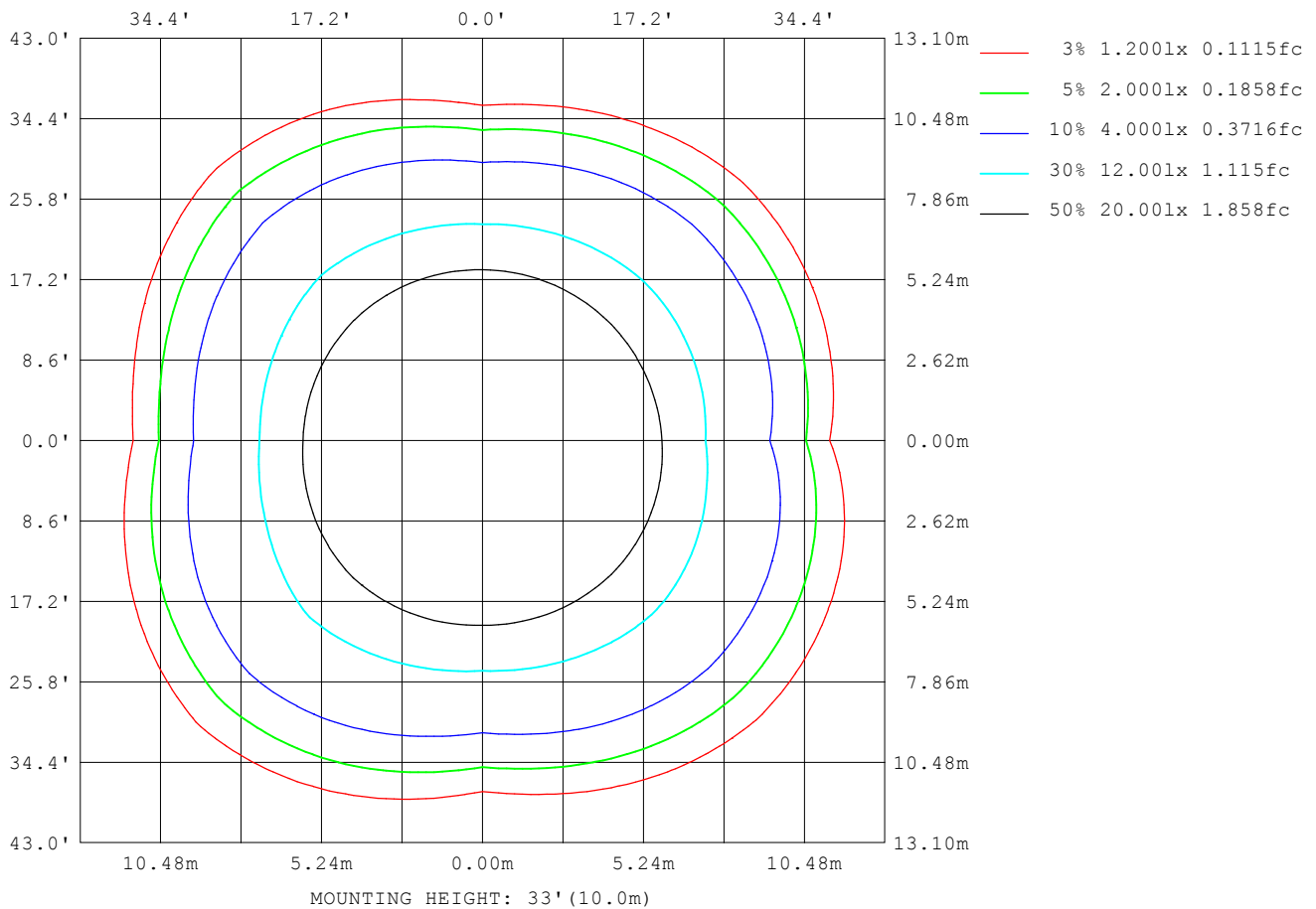
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

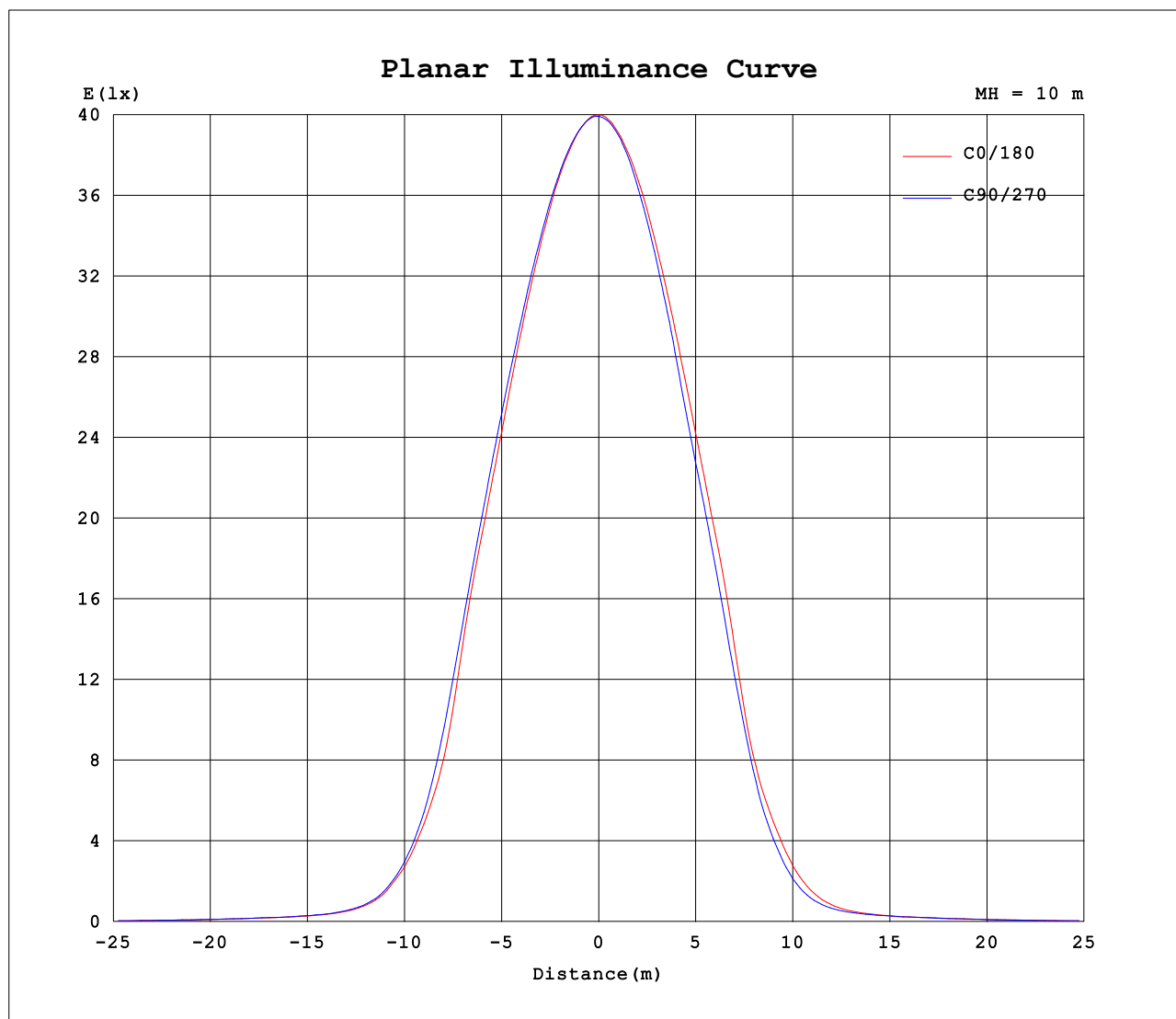
AvgL	cd/m2
L_0~180 (65) av	5644
L_0~180 (75) av	3308
L_0~180 (85) av	3355
L_90~270 (65) av	5523
L_90~270 (75) av	3342
L_90~270 (85) av	2159
L_45 (65) av	5506
L_45 (75) av	3477
L_45 (85) av	2903

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm																	
NAME: 4FT									TYPE:4000K 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	4000	3999	3998	3997	3996	3995	3995	3994	3994	3993	3993	3992	3992	3992	3992	3992	3992	3992	3992
5	3984	3985	3985	3985	3986	3986	3986	3986	3987	3987	3987	3987	3987	3987	3987	3987	3987	3987	3986
10	3941	3941	3942	3942	3943	3943	3944	3945	3945	3946	3947	3948	3949	3950	3951	3951	3952	3952	3953
15	3856	3858	3860	3862	3863	3865	3867	3869	3871	3873	3875	3877	3880	3882	3884	3886	3888	3889	3890
20	3718	3722	3726	3730	3734	3737	3741	3744	3748	3751	3755	3759	3763	3766	3770	3773	3775	3777	3779
25	3487	3498	3507	3517	3526	3534	3542	3549	3556	3563	3569	3574	3579	3584	3588	3592	3595	3597	3599
30	3137	3160	3181	3200	3218	3234	3248	3260	3271	3280	3284	3286	3287	3287	3286	3285	3284	3283	3282
35	2502	2568	2627	2680	2726	2766	2799	2826	2846	2860	2849	2834	2814	2792	2769	2746	2724	2705	2690
40	1467	1626	1767	1892	1999	2089	2162	2218	2258	2280	2236	2179	2113	2040	1965	1891	1821	1760	1710
45	771	911	1035	1144	1236	1312	1372	1416	1444	1456	1402	1336	1262	1182	1102	1024	952	889	841
50	321	395	460	516	565	604	635	658	672	677	647	611	570	527	483	441	402	369	344
55	183	213	240	263	283	299	312	321	327	330	317	302	285	267	249	232	216	203	193
60	153	159	164	168	172	175	178	179	180	181	178	175	171	168	164	161	158	156	154
65	119	118	118	118	118	118	118	118	118	119	119	119	120	120	121	121	122	122	123
70	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.3	80.7	81.0	81.4	81.8	82.2	82.6	83.0	83.5
75	42.2	42.9	43.4	44.0	44.5	45.0	45.4	45.8	46.1	46.4	46.6	46.7	46.7	46.8	46.9	47.0	47.1	47.3	47.5
80	22.0	22.4	22.7	23.0	23.3	23.6	23.8	24.1	24.3	24.5	24.7	24.8	24.9	25.0	25.2	25.3	25.4	25.6	25.8
85	13.0	12.7	12.4	12.1	11.9	11.7	11.5	11.3	11.2	11.1	11.0	11.0	11.0	11.0	11.1	11.3	11.4	11.5	11.7
90	27.7	26.3	25.0	23.6	22.3	20.9	19.5	18.1	16.7	15.3	13.0	10.7	8.53	6.57	4.87	3.49	2.51	2.03	2.01
95	63.4	62.4	61.1	59.6	57.8	55.7	53.4	50.8	48.0	44.9	39.1	33.2	27.5	22.0	17.0	12.7	9.19	6.72	5.45
100	90.2	88.9	87.2	85.3	83.0	80.4	77.5	74.3	70.8	66.9	59.8	52.5	45.4	38.6	32.4	27.0	22.6	19.5	17.9
105	111	110	109	108	106	104	101	98.2	94.6	90.5	82.4	74.2	66.0	58.1	50.9	44.6	39.5	35.7	33.7
110	137	137	137	136	134	132	129	126	122	118	108	98.8	89.3	80.2	71.7	64.3	58.1	53.6	51.0
115	167	167	166	165	164	161	158	154	150	145	134	123	112	102	92.4	83.9	76.8	71.6	68.5
120	195	195	194	193	190	187	184	179	174	169	157	145	134	122	112	103	95.1	89.4	86.0
125	225	223	221	218	214	210	205	200	194	188	176	164	152	140	130	120	113	107	104
130	250	246	242	238	233	228	222	216	210	203	191	179	167	156	146	137	130	125	122
135	270	265	259	254	248	241	235	228	221	214	203	191	180	170	161	153	146	142	139
140	282	276	269	263	256	250	243	236	229	222	212	202	192	183	175	168	163	159	157
145	283	277	271	264	258	252	246	239	233	227	218	210	202	194	187	182	177	174	173
150	275	270	265	260	255	250	245	240	235	230	223	216	210	204	199	194	191	189	188
155	264	261	257	253	250	246	243	239	236	232	227	222	218	213	209	206	204	202	201
160	253	251	249	247	244	242	240	237	235	233	230	226	223	220	218	216	214	213	212
165	244	243	242	240	239	238	237	236	235	234	232	230	228	226	225	223	222	222	221
170	237	236	236	236	235	235	235	234	234	233	232	232	231	230	230	229	229	228	228
175	233	233	233	233	233	233	234	234	234	234	234	233	233	233	233	233	233	233	233
180	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm																		
NAME: 4FT									TYPE:4000K 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	3991	3991	3990	3990	3990	3990	3990	3990	3990	3991	3992	3993	3995	3996	3997	3998	3999	4000	4000
5	3986	3986	3986	3985	3985	3984	3984	3983	3983	3983	3982	3981	3981	3980	3980	3979	3978	3978	3977
10	3952	3952	3951	3950	3949	3948	3947	3946	3944	3943	3941	3940	3938	3936	3934	3933	3931	3929	3927
15	3890	3889	3889	3887	3886	3884	3882	3879	3876	3873	3870	3866	3863	3859	3855	3851	3846	3842	3838
20	3780	3780	3780	3780	3778	3776	3774	3771	3767	3761	3755	3748	3741	3733	3725	3717	3709	3700	3693
25	3602	3604	3605	3606	3605	3604	3601	3598	3593	3583	3571	3559	3546	3533	3518	3504	3490	3476	3465
30	3291	3300	3309	3317	3325	3330	3334	3336	3335	3319	3300	3279	3257	3233	3209	3184	3160	3136	3123
35	2719	2752	2787	2822	2857	2889	2916	2938	2952	2913	2866	2813	2757	2699	2640	2583	2529	2481	2480
40	1777	1856	1943	2033	2123	2208	2286	2352	2401	2323	2229	2123	2009	1893	1777	1667	1565	1477	1510
45	915	1002	1098	1199	1301	1399	1490	1569	1631	1566	1484	1391	1288	1182	1074	970	874	789	811
50	386	436	490	547	605	661	712	757	793	757	712	660	604	545	486	429	377	331	346
55	211	233	257	281	306	330	353	372	387	372	352	330	306	280	255	230	207	187	193
60	160	166	173	180	187	193	199	205	209	205	200	195	188	182	175	168	162	156	156
65	124	125	126	126	127	128	128	129	129	128	128	127	126	125	123	122	121	120	119
70	84.4	85.3	86.2	87.1	87.8	88.5	89.0	89.4	89.6	88.7	87.7	86.5	85.3	83.9	82.5	81.1	79.8	78.5	78.0
75	48.4	49.2	50.1	51.0	51.8	52.5	53.1	53.5	53.8	53.0	52.0	50.9	49.6	48.3	47.0	45.8	44.5	43.4	43.1
80	26.2	26.7	27.2	27.6	28.0	28.4	28.7	28.9	29.0	28.5	27.9	27.3	26.6	25.9	25.1	24.4	23.7	23.0	22.9
85	12.0	12.3	12.7	13.0	13.4	13.8	14.2	14.6	14.9	15.1	15.3	15.5	15.7	15.8	16.0	16.1	16.1	16.2	16.4
90	4.88	8.25	12.0	16.1	20.3	24.6	29.0	33.2	37.2	39.1	40.7	42.1	43.2	44.2	45.0	45.6	46.2	46.7	48.5
95	11.1	18.0	25.8	34.2	43.1	52.2	61.4	70.2	78.6	82.5	85.8	88.4	90.5	92.0	93.1	93.7	93.9	93.8	94.7
100	24.6	32.8	42.1	52.3	63.0	74.1	85.1	95.9	106	111	116	120	123	125	126	128	128	128	129
105	41.5	51.0	61.8	73.6	86.0	98.8	112	124	136	142	147	152	155	158	160	161	162	162	162
110	59.8	70.4	82.6	95.9	110	125	139	153	167	174	180	185	189	192	194	196	197	197	197
115	78.2	90.0	103	118	134	150	166	182	197	205	212	218	222	226	228	230	231	231	231
120	96.1	108	123	138	155	172	189	206	222	231	239	246	252	256	259	262	263	263	262
125	114	126	141	157	173	191	209	226	243	253	262	269	276	281	286	289	290	291	289
130	132	144	158	173	190	207	224	241	258	269	278	287	295	301	306	310	312	313	311
135	148	160	173	187	202	218	235	251	267	278	288	297	305	312	318	322	325	326	323
140	165	175	186	199	212	227	241	256	270	281	291	300	309	316	322	326	330	331	328
145	180	188	197	208	220	232	244	256	268	278	288	296	304	311	317	321	324	326	323
150	193	200	207	216	225	234	244	254	264	272	280	287	294	300	305	309	312	313	310
155	205	210	216	222	228	236	243	250	258	264	270	275	281	285	289	292	294	295	293
160	215	218	222	227	231	236	241	246	251	255	259	263	266	269	272	274	275	276	274
165	223	225	227	230	233	236	239	242	245	247	249	251	253	255	257	258	258	259	258
170	229	230	231	233	234	235	237	238	239	240	241	242	243	243	244	244	244	244	244
175	233	233	234	234	234	235	235	236	236	236	236	236	236	236	236	236	236	236	236
180	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm																		
NAME: 4FT									TYPE:4000K 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	3999	3998	3998	3997	3996	3995	3994	3993	3993	3992	3992	3992	3992	3992	3992	3992	3992	3991	3991
5	3976	3975	3974	3973	3972	3971	3970	3969	3969	3968	3968	3968	3968	3968	3967	3967	3967	3966	3965
10	3926	3924	3922	3921	3919	3917	3916	3914	3912	3909	3907	3904	3902	3900	3898	3896	3895	3893	3892
15	3833	3829	3824	3820	3816	3811	3807	3803	3799	3795	3792	3788	3785	3782	3779	3777	3775	3773	3772
20	3685	3678	3670	3663	3655	3648	3641	3635	3627	3620	3613	3607	3601	3596	3591	3587	3584	3583	3582
25	3455	3445	3435	3425	3416	3406	3396	3386	3372	3358	3345	3331	3319	3308	3298	3289	3283	3283	3285
30	3111	3099	3088	3078	3068	3058	3048	3038	3021	3004	2986	2970	2954	2939	2926	2914	2905	2904	2906
35	2485	2495	2507	2520	2534	2546	2556	2562	2527	2488	2446	2403	2361	2320	2283	2249	2222	2234	2253
40	1557	1615	1679	1746	1814	1877	1933	1978	1917	1844	1764	1679	1592	1508	1428	1356	1297	1334	1383
45	845	888	938	991	1044	1094	1139	1174	1123	1063	996	925	853	782	715	655	605	631	667
50	369	397	428	462	495	526	555	577	551	518	482	443	403	363	326	291	262	273	290
55	203	214	227	241	255	269	281	291	282	270	257	243	228	214	200	187	176	180	185
60	156	157	159	160	162	164	166	167	166	163	161	158	156	153	150	148	146	145	145
65	119	118	117	117	116	116	115	115	114	114	113	113	112	112	112	111	111	109	108
70	77.5	77.2	76.8	76.6	76.3	76.1	75.9	75.6	75.0	74.5	73.9	73.2	72.6	72.0	71.3	70.7	70.0	69.2	68.4
75	42.9	42.9	42.9	42.9	43.0	43.0	43.1	43.2	42.8	42.4	41.9	41.4	41.0	40.5	40.0	39.5	39.0	38.5	38.1
80	22.8	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.5	22.3	22.0	21.7	21.4	21.1	20.8	20.5	20.3	20.0	19.7
85	16.6	16.7	16.8	16.8	16.7	16.6	16.4	16.1	15.2	14.2	13.1	12.1	11.0	9.93	8.93	7.99	7.16	6.98	6.86
90	50.3	51.8	53.1	54.0	54.6	54.6	54.1	52.9	47.4	41.5	35.2	28.7	22.3	16.2	10.4	5.29	0.96	2.19	4.26
95	95.3	95.5	95.3	94.4	93.0	91.0	88.2	84.6	76.0	66.8	57.2	47.7	38.3	29.4	21.2	14.1	8.13	10.1	13.4
100	129	128	127	125	123	120	116	111	101	89.9	78.8	67.7	56.9	46.6	37.2	28.9	22.1	24.0	27.5
105	162	161	160	158	155	151	146	140	128	116	103	90.6	78.3	66.6	55.9	46.5	38.8	41.1	45.2
110	197	196	194	191	187	183	177	171	157	143	129	114	100	87.0	75.0	64.5	55.9	59.0	64.1
115	230	228	226	222	217	212	205	197	183	167	152	136	121	107	93.7	82.6	73.5	77.3	83.3
120	261	258	254	249	243	236	228	219	204	188	171	155	139	125	112	100	91.4	95.7	102
125	287	283	278	272	264	256	247	237	221	205	188	172	157	142	129	118	110	114	121
130	307	302	295	288	279	270	260	249	233	217	201	186	171	158	146	136	128	132	139
135	319	313	305	297	287	277	266	255	240	226	211	197	184	172	161	152	145	149	155
140	323	316	308	300	290	280	269	257	244	232	219	207	195	185	176	168	162	165	170
145	317	311	304	295	286	277	266	256	245	235	224	214	205	197	189	183	178	180	184
150	305	300	293	286	278	270	261	253	244	236	228	220	213	206	201	196	193	194	197
155	289	285	280	274	268	262	255	248	242	236	230	225	220	215	211	208	205	206	208
160	272	269	265	261	257	253	249	244	240	236	232	228	225	222	219	217	215	216	217
165	256	255	253	250	248	245	243	240	238	235	233	231	229	227	226	224	223	224	224
170	243	243	242	241	240	239	238	237	236	235	234	233	232	232	231	230	230	230	230
175	236	236	236	236	236	236	236	235	235	235	235	234	234	234	234	233	233	233	233
180	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227

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:120.7V I:0.4130A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6913.4x1 lm																	
NAME: 4FT									TYPE:4000K 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	3990	3990	3990	3990	3990	3990	3990	3990	3991	3992	3993	3994	3995	3997	3998				
5	3964	3963	3962	3962	3962	3961	3962	3963	3964	3966	3968	3971	3974	3977	3980				
10	3892	3891	3892	3892	3893	3894	3896	3899	3902	3906	3911	3916	3921	3927	3934				
15	3771	3771	3771	3772	3773	3776	3779	3784	3790	3797	3804	3813	3822	3833	3844				
20	3583	3584	3587	3590	3594	3600	3606	3614	3624	3634	3645	3657	3671	3686	3701				
25	3289	3295	3302	3311	3321	3332	3345	3357	3370	3383	3398	3414	3431	3449	3467				
30	2909	2915	2922	2932	2943	2955	2969	2983	2998	3014	3031	3050	3070	3091	3113				
35	2277	2304	2334	2367	2400	2432	2463	2478	2489	2499	2506	2510	2512	2511	2508				
40	1441	1506	1574	1642	1708	1769	1823	1827	1820	1802	1774	1734	1684	1622	1550				
45	710	759	811	864	915	963	1006	1011	1009	998	980	954	920	878	828				
50	310	334	359	385	410	433	454	455	453	446	435	420	402	379	352				
55	193	201	210	219	227	235	242	242	240	236	231	225	217	207	196				
60	144	145	145	145	146	147	147	148	148	149	149	150	151	151	152				
65	107	106	105	105	104	103	103	104	105	106	107	109	111	113	116				
70	67.7	67.0	66.5	66.0	65.7	65.5	65.5	65.9	66.6	67.4	68.4	69.6	71.0	72.6	74.4				
75	37.7	37.3	37.0	36.8	36.6	36.6	36.6	36.8	37.1	37.6	38.1	38.7	39.5	40.3	41.2				
80	19.5	19.3	19.1	19.0	18.9	18.8	18.8	18.9	19.1	19.4	19.7	20.0	20.4	20.9	21.4				
85	6.82	6.91	7.09	7.35	7.68	8.07	8.51	8.85	9.24	9.66	10.1	10.6	11.2	11.8	12.4				
90	7.01	10.3	14.0	17.9	21.9	25.8	29.5	30.8	31.7	32.3	32.4	32.2	31.7	30.7	29.4				
95	17.7	22.9	28.7	34.9	41.4	47.8	54.0	56.9	59.3	61.2	62.7	63.8	64.4	64.5	64.2				
100	32.1	37.8	44.3	51.3	58.6	65.9	73.1	76.7	79.8	82.6	84.9	86.8	88.2	89.3	89.9				
105	50.6	57.2	64.6	72.6	80.9	89.2	97.2	101	104	107	109	110	111	112	112				
110	70.8	78.8	87.8	97.3	107	117	126	130	134	136	138	139	140	140	139				
115	91.1	100	111	121	133	144	154	159	163	166	168	170	170	170	169				
120	111	121	132	144	156	168	179	184	189	192	195	197	198	198	197				
125	129	139	151	163	175	187	199	205	210	215	219	221	224	225	225				
130	147	157	168	180	192	204	216	223	229	234	238	242	245	247	249				
135	162	171	181	192	203	214	226	232	239	244	250	255	259	263	267				
140	176	183	191	200	210	220	230	236	243	249	255	261	267	272	277				
145	188	194	201	208	216	224	232	238	244	250	255	261	267	272	278				
150	200	205	210	216	222	228	235	239	244	248	253	257	262	266	271				
155	211	214	217	221	225	230	234	238	241	244	247	251	254	257	261				
160	218	220	223	225	228	231	233	236	238	240	242	244	247	249	251				
165	225	226	227	228	230	231	233	234	235	236	237	239	240	241	242				
170	230	230	231	231	231	232	232	233	233	234	234	235	235	236	236				
175	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233				
180	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227				

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: