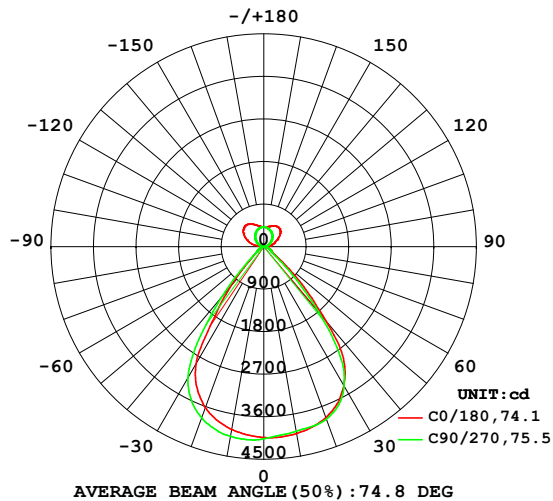


LUMINAIRE PHOTOMETRIC TEST REPORT

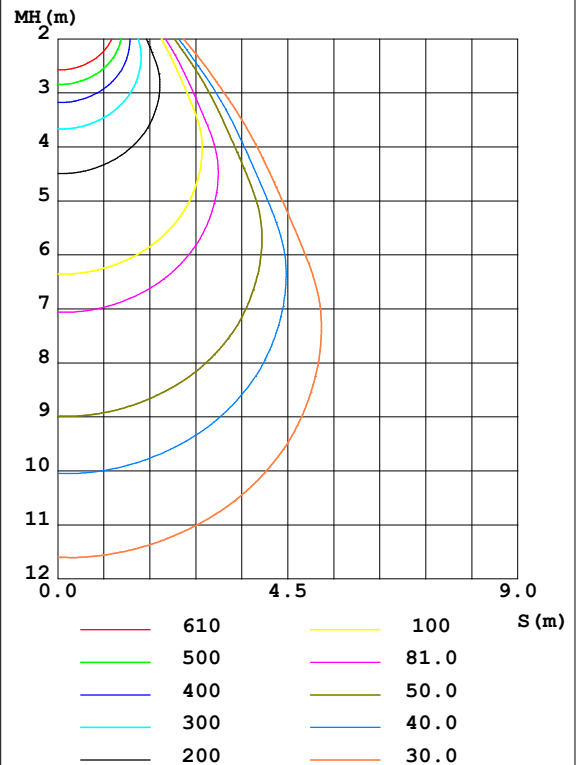
Test:U:120.6V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.67 lm/W			
MODEL		I _{max} (cd)	4108	S/MH(C0/180)	1.16
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	7952.7	η UP,DN(C0-180)	11.1,40.2
NOMINAL FLUX(lm)	7952.69	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.8,36.9
LAMPS INSIDE	1	η up(%)	22.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	77.1	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:

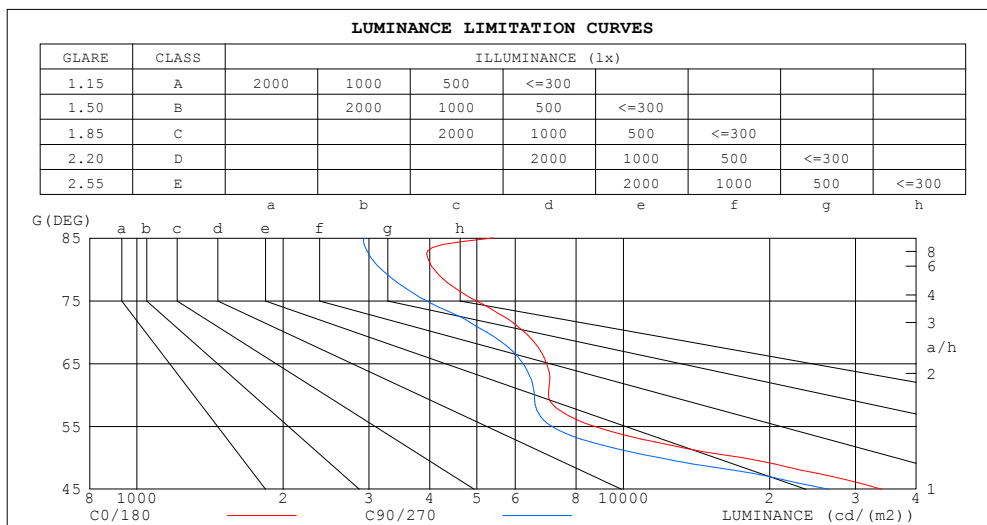
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4014	3983	3966	3943	3928	4019	4074	4083	0- 10	384.6	384.6	4.84,4.84
20	3847	3843	3880	3750	3623	3765	3851	3902	10- 20	1109	1493	18.8,18.8
30	3388	3502	3399	3281	2867	3111	3216	3390	20- 30	1651	3145	39.5,39.5
40	2037	2613	1817	2206	1076	1780	1338	2302	30- 40	1656	4800	60.4,60.4
50	564.5	987.6	381.2	608.3	230.5	430.4	260.0	684.7	40- 50	876.8	5677	71.4,71.4
60	175.5	248.1	164.1	176.2	140.2	142.4	150.7	183.0	50- 60	264.6	5942	74.7,74.7
70	107.2	103.2	89.66	77.88	58.35	62.40	69.85	84.61	60- 70	122.9	6064	76.3,76.3
80	35.46	35.39	27.62	23.67	15.68	17.08	20.50	27.02	70- 80	52.05	6116	76.9,76.9
90	47.82	23.33	2.281	5.047	2.501	21.27	1.842	53.24	80- 90	17.02	6133	77.1,77.1
100	153.6	116.4	28.11	163.0	170.0	204.6	45.51	143.3	90-100	75.31	6209	78.1,78.1
110	247.1	206.6	86.52	293.9	354.0	319.5	106.6	230.9	100-110	191.7	6400	80.5,80.5
120	354.4	297.5	151.1	393.2	479.2	407.5	171.3	334.5	110-120	276.2	6677	84,84
130	461.2	361.3	215.7	453.1	565.4	455.7	235.8	400.3	120-130	323.5	7000	88,88
140	512.2	397.9	276.6	471.3	592.7	465.2	296.7	427.1	130-140	319.5	7320	92,92
150	503.7	411.6	332.3	460.4	555.3	453.4	349.8	430.6	140-150	272.3	7592	95.5,95.5
160	462.0	415.2	375.7	439.9	490.6	436.8	390.1	425.4	150-160	200.3	7792	98,98
170	428.6	415.3	404.5	423.7	436.7	424.3	413.1	419.4	160-170	120.4	7913	99.5,99.5
180	410.1	410.1	410.1	410.1	410.1	410.1	410.1	410.1	170-180	40.00	7953	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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 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	5400	2928
80	4084	3181
75	4982	3940
70	6268	5243
65	6957	6223
60	7019	6564
55	8706	7130
50	17565	11861
45	33971	26428

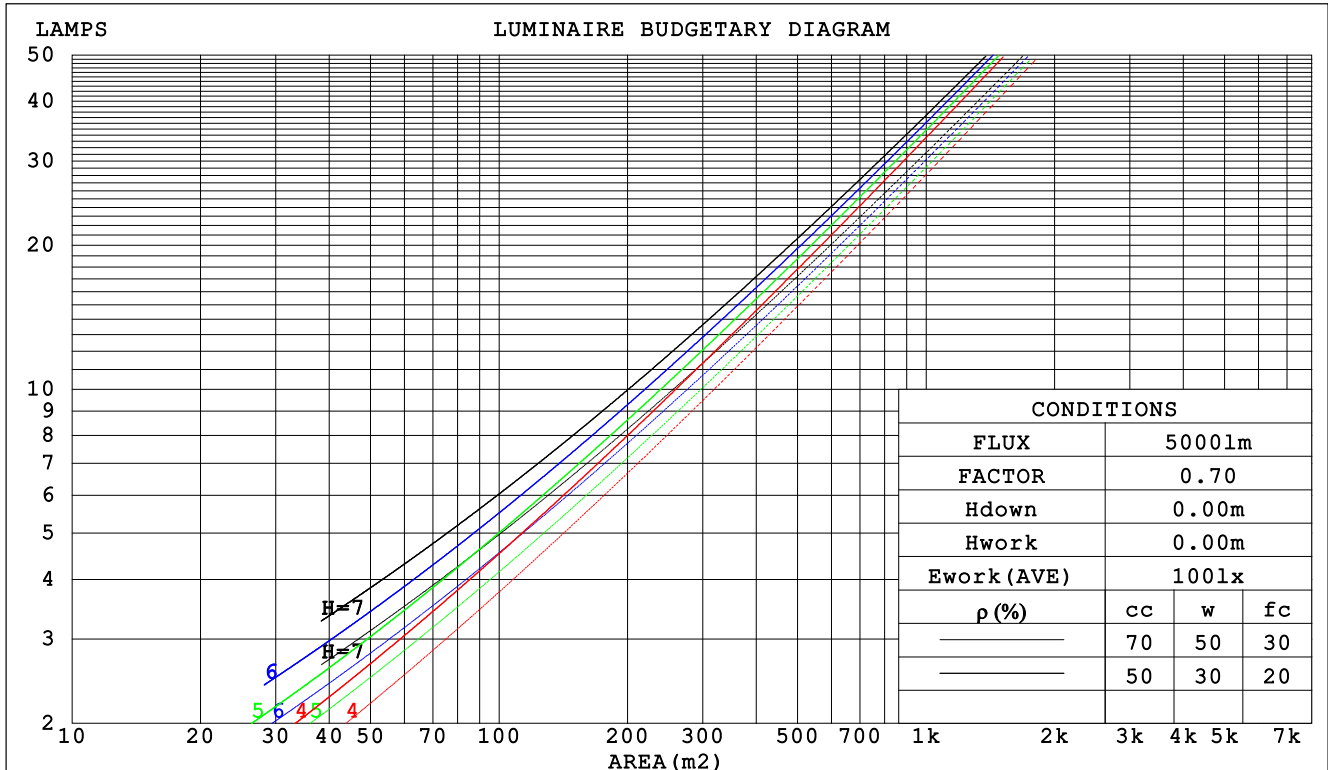
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 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	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	1.03	.90	.97	.99	.96	.94	.90	.88	.86	.83	.81	.80	.76	.75	.74	.70
2.0	.93	.88	.84	.90	.85	.82	.83	.79	.76	.76	.74	.71	.70	.68	.67	.64
3.0	.85	.79	.74	.82	.76	.72	.76	.71	.68	.70	.67	.64	.65	.62	.60	.57
4.0	.77	.71	.66	.75	.69	.64	.69	.65	.61	.65	.61	.58	.60	.57	.55	.52
5.0	.71	.64	.59	.68	.62	.57	.64	.59	.55	.60	.55	.52	.56	.52	.50	.47
6.0	.65	.58	.53	.63	.56	.52	.59	.54	.50	.55	.51	.47	.52	.48	.45	.43
7.0	.60	.53	.48	.58	.51	.47	.55	.49	.45	.51	.47	.43	.48	.44	.42	.40
8.0	.55	.48	.44	.54	.47	.43	.51	.45	.41	.48	.43	.40	.45	.41	.38	.36
9.0	.51	.44	.40	.50	.43	.39	.47	.42	.38	.45	.40	.37	.42	.38	.35	.33
10.0	.48	.41	.37	.46	.40	.36	.44	.39	.35	.42	.37	.34	.39	.35	.33	.31



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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm								
NAME: 4FT			TYPE:3000K 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	.221	.125	.040	.207	.118	.037	.181	.104	.033	.157	.091	.029	.136	.079	.025		
2.0	.210	.115	.035	.198	.109	.034	.175	.097	.030	.154	.086	.027	.134	.076	.024		
3.0	.199	.106	.032	.188	.101	.030	.167	.091	.028	.148	.081	.025	.130	.072	.022		
4.0	.188	.098	.029	.178	.093	.028	.159	.085	.025	.142	.076	.023	.126	.068	.021		
5.0	.178	.091	.026	.169	.087	.025	.152	.079	.023	.136	.072	.021	.121	.065	.019		
6.0	.168	.084	.024	.160	.081	.023	.144	.074	.022	.130	.067	.020	.116	.061	.018		
7.0	.159	.079	.022	.152	.076	.022	.137	.069	.020	.124	.064	.018	.111	.058	.017		
8.0	.151	.074	.021	.144	.071	.020	.131	.065	.019	.119	.060	.017	.107	.055	.016		
9.0	.144	.070	.019	.137	.067	.019	.125	.062	.018	.113	.057	.016	.102	.052	.015		
10.0	.137	.066	.018	.131	.063	.018	.119	.058	.016	.109	.054	.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	.365	.365	.365	.312	.312	.312	.213	.213	.213	.122	.122	.122	.039	.039	.039	
1.0	.350	.333	.317	.299	.286	.273	.205	.196	.189	.118	.114	.110	.038	.037	.036	
2.0	.338	.309	.285	.290	.266	.246	.199	.184	.172	.114	.107	.101	.037	.035	.033	
3.0	.329	.292	.262	.282	.252	.227	.193	.175	.159	.112	.102	.094	.036	.033	.031	
4.0	.320	.278	.246	.275	.240	.214	.189	.168	.151	.109	.098	.089	.035	.032	.029	
5.0	.313	.268	.234	.269	.232	.204	.185	.162	.144	.107	.095	.085	.035	.031	.028	
6.0	.307	.259	.225	.264	.225	.196	.182	.157	.139	.106	.093	.083	.034	.030	.027	
7.0	.301	.253	.219	.259	.219	.191	.179	.154	.135	.104	.090	.080	.034	.030	.027	
8.0	.295	.247	.214	.254	.214	.186	.176	.150	.132	.102	.089	.079	.033	.029	.026	
9.0	.290	.242	.210	.250	.210	.183	.173	.148	.130	.101	.087	.077	.033	.029	.026	
10.0	.286	.238	.206	.246	.207	.180	.171	.146	.128	.100	.086	.076	.032	.028	.025	

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm										
NAME: 4FT					TYPE:3000K 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	21.6	22.5	22.1	23.0	23.6	20.8	21.8	21.4	22.3	22.9
3H	21.5	22.3	22.1	22.9	23.5	20.7	21.6	21.3	22.2	22.8
4H	21.4	22.2	22.0	22.8	23.5	20.7	21.5	21.3	22.1	22.7
6H	21.3	22.1	22.0	22.7	23.4	20.6	21.3	21.2	21.9	22.6
8H	21.3	22.0	21.9	22.6	23.3	20.5	21.2	21.2	21.9	22.6
12H	21.2	21.9	21.9	22.5	23.3	20.5	21.2	21.1	21.8	22.5
4H 2H	21.3	22.1	21.9	22.7	23.3	20.6	21.4	21.2	22.0	22.7
3H	21.3	21.9	21.9	22.6	23.3	20.6	21.3	21.2	21.9	22.6
4H	21.2	21.8	21.9	22.5	23.2	20.5	21.1	21.2	21.8	22.5
6H	21.2	21.7	21.9	22.4	23.2	20.5	21.0	21.2	21.7	22.5
8H	21.1	21.6	21.8	22.3	23.1	20.4	20.9	21.1	21.6	22.4
12H	21.1	21.5	21.8	22.3	23.1	20.4	20.8	21.1	21.5	22.4
8H 4H	21.1	21.6	21.8	22.3	23.1	20.4	20.9	21.1	21.6	22.4
6H	21.0	21.4	21.8	22.2	23.0	20.3	20.7	21.1	21.5	22.3
8H	21.0	21.4	21.8	22.1	23.0	20.3	20.7	21.1	21.4	22.3
12H	21.0	21.3	21.8	22.1	23.0	20.3	20.6	21.0	21.3	22.2
12H 4H	21.0	21.5	21.7	22.2	23.0	20.3	20.8	21.0	21.5	22.3
6H	21.0	21.3	21.7	22.1	23.0	20.3	20.6	21.0	21.4	22.3
8H	21.0	21.3	21.7	22.0	22.9	20.3	20.6	21.0	21.3	22.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 4.8					+ 2.3 / - 4.9				
1.5H	+ 2.4 / - 4.6					+ 2.5 / - 5.2				
2.0H	+ 4.6 / - 4.2					+ 4.0 / - 3.5				

CIE Pub.117 Corrected 7953 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.2)

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

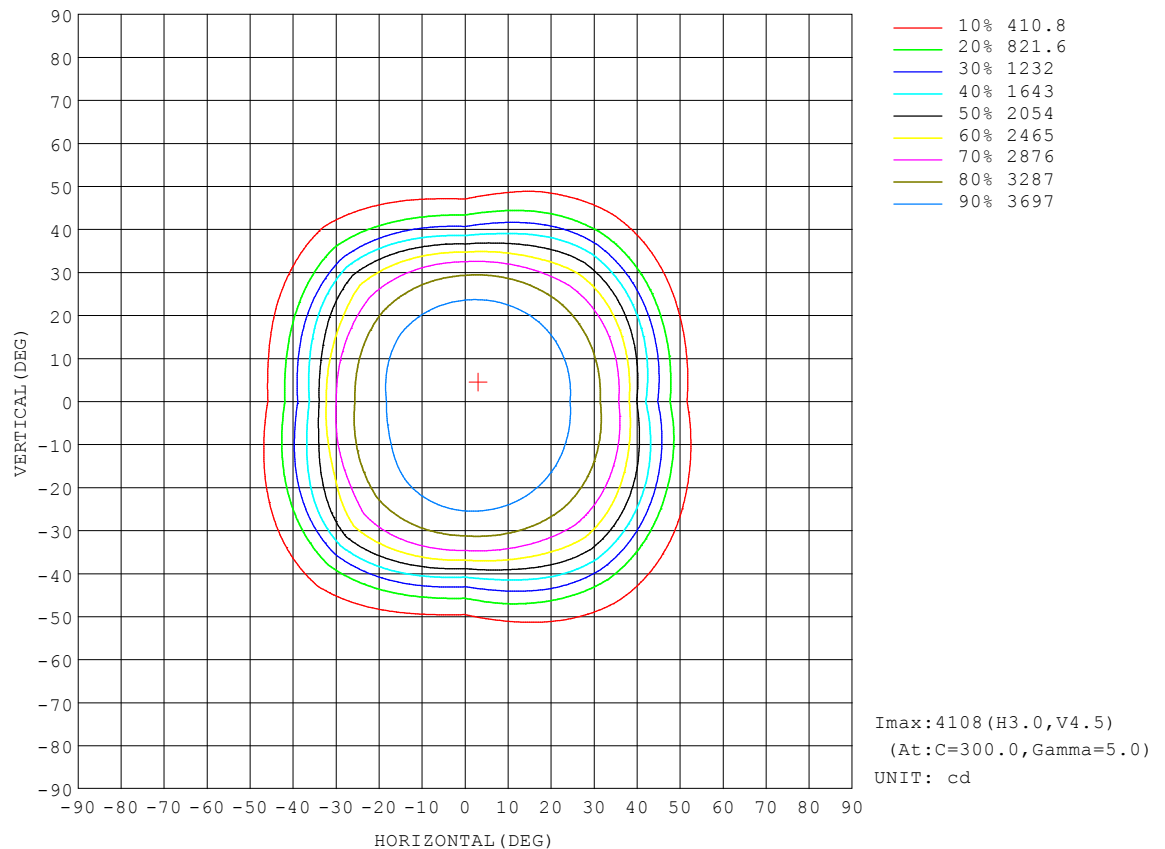
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	58	53	65	57	53	63	56	52	46
0.80	76	67	62	74	66	61	71	64	60	53
1.00	82	74	68	80	72	67	76	71	66	58
1.25	88	80	75	85	78	73	80	75	71	62
1.50	91	84	79	89	82	78	83	78	74	65
2.00	96	90	85	93	87	83	87	82	79	68
2.50	99	93	89	95	90	86	89	85	82	69
3.00	101	96	92	97	93	89	90	87	84	71
4.00	104	100	96	100	96	93	92	90	87	73
5.00	106	102	99	102	99	96	94	91	89	74
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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

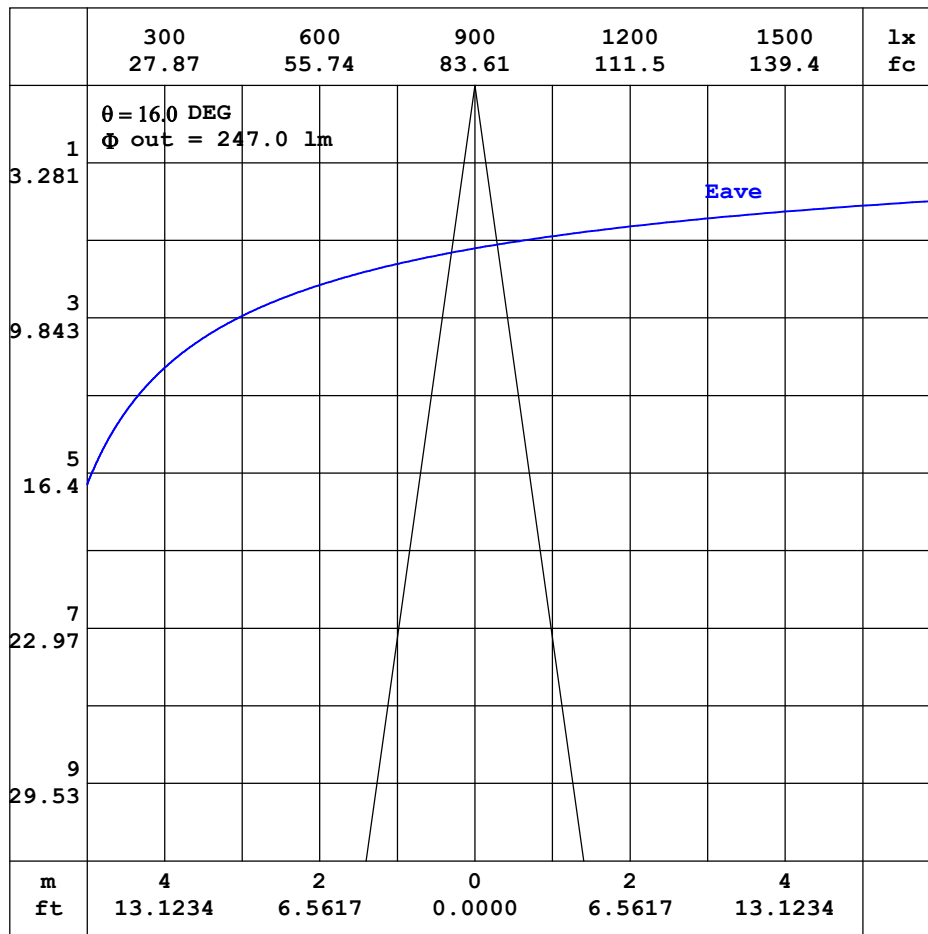


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



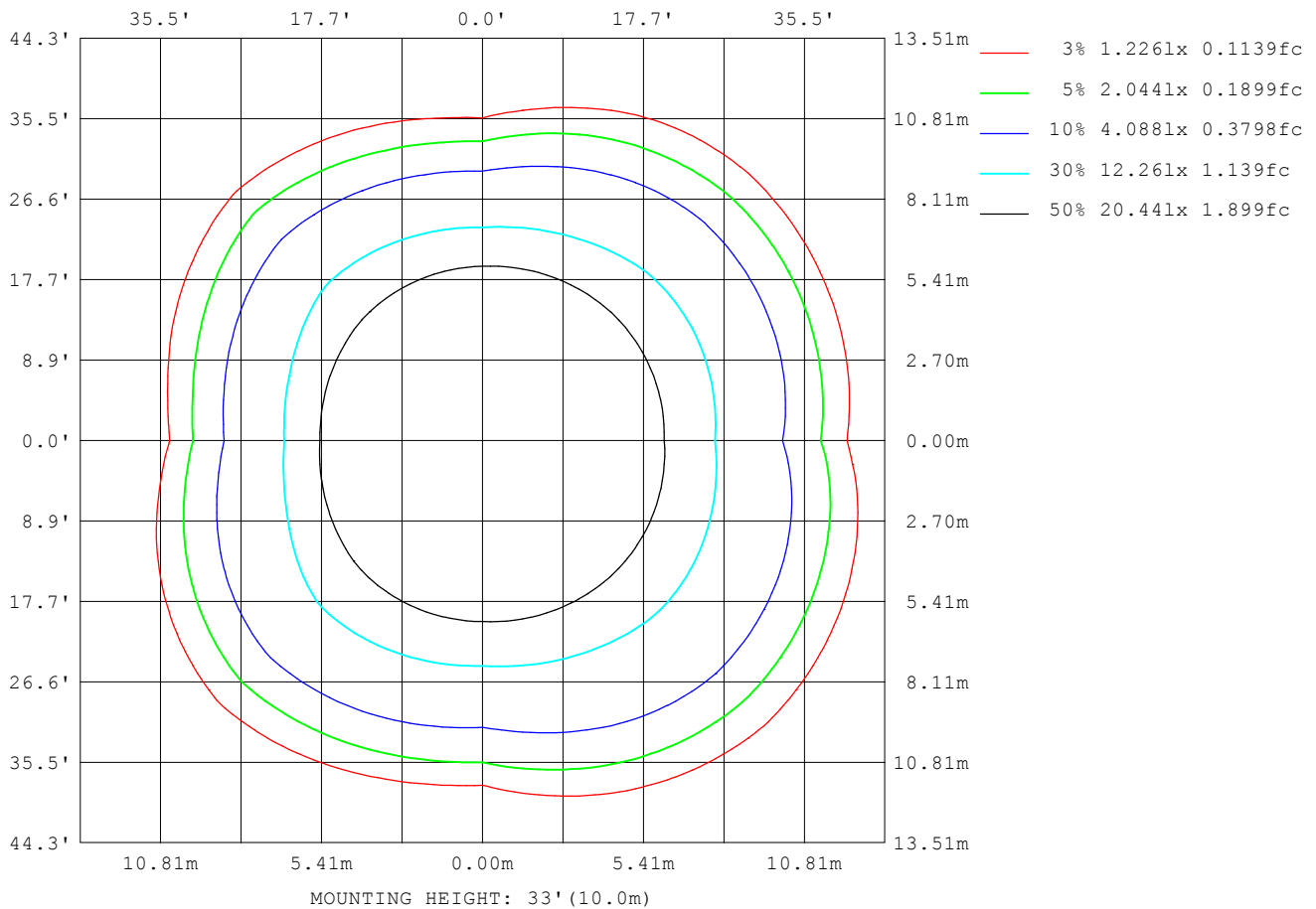
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

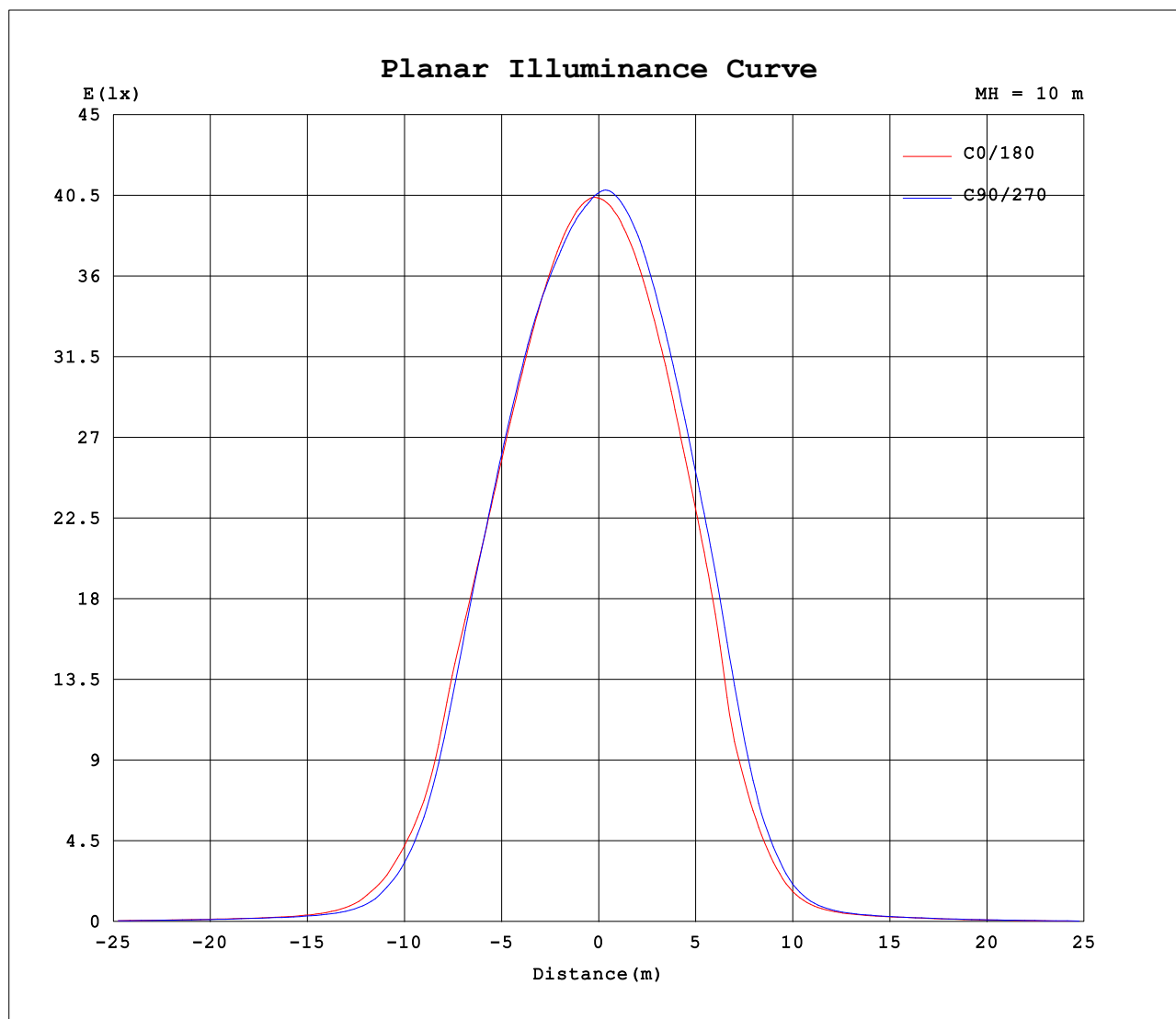
AvgL	cd/m2
L_0~180 (65) av	5839
L_0~180 (75) av	3734
L_0~180 (85) av	3228
L_90~270 (65) av	5757
L_90~270 (75) av	3492
L_90~270 (85) av	2280
L_45 (65) av	5857
L_45 (75) av	3724
L_45 (85) av	2927

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm		
NAME: 4FT	TYPE:3000K 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	4035	4037	4040	4042	4044	4046	4048	4050	4052	4053	4055	4056	4058	4059	4060	4062	4063	4064	4065
5	4043	4039	4036	4033	4030	4027	4025	4022	4020	4018	4016	4014	4012	4011	4010	4009	4008	4007	4006
10	4014	4010	4006	4002	3999	3995	3992	3989	3986	3983	3981	3979	3977	3975	3973	3971	3969	3967	3966
15	3953	3947	3941	3935	3931	3927	3924	3921	3919	3918	3921	3924	3927	3930	3933	3936	3938	3939	3939
20	3847	3844	3842	3841	3840	3840	3840	3840	3841	3843	3849	3855	3861	3867	3872	3876	3879	3880	3880
25	3673	3682	3690	3697	3704	3709	3714	3719	3722	3725	3729	3731	3733	3733	3733	3731	3728	3724	3718
30	3388	3411	3432	3450	3465	3478	3488	3495	3500	3502	3497	3490	3482	3471	3458	3445	3430	3415	3399
35	2961	3005	3044	3076	3102	3122	3136	3143	3145	3140	3114	3082	3047	3009	2970	2930	2891	2853	2819
40	2037	2169	2284	2382	2463	2527	2574	2604	2617	2613	2546	2465	2374	2277	2177	2077	1982	1894	1817
45	1201	1358	1495	1612	1709	1785	1841	1877	1892	1888	1809	1713	1606	1491	1371	1252	1137	1029	934
50	565	662	747	820	880	927	961	983	991	988	937	876	808	734	659	583	510	441	381
55	250	297	339	374	404	428	446	458	464	465	444	419	389	358	325	292	260	231	204
60	175	191	205	217	227	235	241	246	248	248	242	234	225	215	205	194	183	173	164
65	147	148	150	151	151	152	152	152	151	150	149	147	145	143	141	139	136	134	132
70	107	107	107	107	107	106	106	105	104	103	102	101	99.2	97.7	96.1	94.5	92.9	91.3	89.7
75	64.5	65.1	65.5	65.8	65.9	65.9	65.7	65.4	64.9	64.2	63.0	61.7	60.3	58.7	57.2	55.6	54.0	52.5	51.0
80	35.5	35.8	36.1	36.3	36.4	36.4	36.3	36.1	35.8	35.4	34.7	33.9	33.1	32.2	31.3	30.4	29.4	28.5	27.6
85	23.5	23.0	22.4	21.9	21.3	20.8	20.2	19.6	19.0	18.4	17.8	17.1	16.4	15.7	15.1	14.4	13.8	13.3	12.8
90	47.8	44.9	42.1	39.3	36.5	33.8	31.1	28.5	25.9	23.3	20.4	17.6	14.9	12.3	9.91	7.66	5.62	3.82	2.28
95	103	101	99.0	96.4	93.3	89.9	86.0	81.7	77.0	71.9	63.7	55.2	46.8	38.5	30.7	23.4	16.9	11.5	7.25
100	154	152	150	147	143	139	134	129	123	116	104	91.5	79.1	67.2	56.1	46.3	38.1	31.9	28.1
105	200	198	196	193	190	185	180	174	167	159	145	130	115	101	87.9	76.4	67.0	60.1	56.1
110	247	247	245	242	239	234	229	222	215	207	190	172	155	139	124	110	99.2	91.1	86.5
115	298	298	297	294	290	286	280	273	264	255	236	216	197	178	161	145	133	123	118
120	354	352	349	345	340	334	326	318	308	297	277	256	235	215	197	180	167	157	151
125	416	410	403	396	387	378	368	357	346	333	311	289	268	248	229	212	199	189	184
130	461	452	443	433	422	411	400	387	375	361	340	318	297	277	259	243	230	221	216
135	494	483	472	460	448	436	423	410	397	383	362	342	322	303	286	272	260	251	247
140	512	500	487	475	462	450	437	424	411	398	379	360	342	326	311	298	288	280	277
145	515	503	490	478	466	454	442	430	418	407	390	375	359	346	333	322	314	308	305
150	504	493	482	472	461	451	441	431	421	412	399	386	374	363	354	345	339	334	332
155	484	476	467	459	452	444	436	429	422	414	405	395	386	378	371	365	360	357	355
160	462	456	451	446	440	435	430	425	420	415	409	402	396	391	386	382	379	377	376
165	443	440	437	433	430	427	424	421	418	415	411	408	404	401	398	396	394	393	392
170	429	427	425	424	422	421	419	418	417	415	414	412	410	409	407	406	405	405	404
175	420	419	419	419	418	418	417	417	417	416	416	415	415	414	414	414	413	413	413
180	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm																		
NAME: 4FT									TYPE:3000K 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	4067	4069	4071	4072	4074	4075	4075	4075	4075	4071	4066	4062	4057	4052	4047	4042	4038	4035	4035
5	4006	4007	4007	4007	4008	4008	4008	4008	4008	4006	4004	4001	3999	3997	3996	3995	3995	3996	4001
10	3963	3961	3958	3955	3953	3950	3948	3945	3943	3939	3935	3932	3929	3927	3926	3925	3926	3928	3935
15	3932	3924	3915	3906	3896	3885	3875	3864	3854	3845	3836	3828	3821	3816	3811	3808	3807	3808	3817
20	3871	3860	3847	3833	3817	3801	3784	3767	3750	3731	3712	3694	3677	3662	3648	3637	3628	3623	3631
25	3710	3700	3688	3675	3660	3643	3626	3606	3585	3553	3520	3486	3454	3423	3394	3369	3347	3329	3336
30	3392	3384	3375	3365	3353	3339	3323	3303	3281	3232	3181	3129	3077	3027	2979	2936	2898	2867	2876
35	2829	2841	2853	2864	2872	2875	2871	2857	2833	2721	2601	2475	2348	2224	2106	1998	1904	1828	1872
40	1851	1896	1949	2004	2060	2112	2156	2188	2206	2094	1968	1833	1692	1551	1414	1287	1172	1076	1118
45	955	989	1033	1082	1134	1184	1231	1270	1297	1220	1132	1035	934	832	732	637	551	476	498
50	392	410	435	465	497	529	559	587	608	575	535	491	445	397	351	306	266	231	242
55	209	217	228	242	256	270	285	297	308	297	283	268	252	235	217	201	186	172	175
60	163	164	165	166	168	170	173	175	176	173	169	165	161	157	152	148	144	140	139
65	130	129	127	126	124	123	121	120	118	116	114	112	109	107	105	103	101	99.7	99.1
70	88.4	87.2	86.0	84.8	83.5	82.2	80.8	79.4	77.9	75.5	73.1	70.7	68.3	66.0	63.8	61.8	59.9	58.3	58.0
75	50.2	49.4	48.7	48.0	47.4	46.7	46.0	45.3	44.5	43.1	41.6	40.1	38.6	37.1	35.7	34.4	33.2	32.2	31.9
80	27.1	26.7	26.3	25.9	25.5	25.0	24.6	24.2	23.7	22.7	21.8	20.8	19.8	18.9	18.0	17.1	16.4	15.7	15.5
85	12.5	12.3	12.1	11.9	11.8	11.6	11.4	11.1	10.9	10.2	9.41	8.65	7.88	7.13	6.41	5.74	5.13	4.60	4.56
90	2.29	2.39	2.52	2.68	2.86	3.28	3.87	4.47	5.05	4.54	4.00	3.47	2.99	2.58	2.30	2.16	2.22	2.50	4.62
95	10.3	14.5	19.6	25.4	31.7	38.3	44.8	51.1	56.9	56.2	55.0	53.5	51.9	50.4	49.1	48.3	48.1	48.9	58.3
100	38.5	51.2	65.6	81.4	98.0	115	132	148	163	167	170	172	173	173	172	172	171	170	177
105	69.3	85.3	104	124	145	168	190	212	233	244	254	262	269	275	279	283	285	287	289
110	102	121	143	166	192	218	244	269	294	307	318	328	336	342	347	351	353	354	356
115	135	156	181	207	235	264	294	322	350	365	378	389	398	406	411	415	418	419	420
120	169	190	216	243	272	303	334	364	393	411	426	439	451	460	468	474	477	479	479
125	201	223	248	276	305	336	367	398	428	447	465	480	494	505	514	521	526	529	527
130	232	253	277	304	333	363	393	424	453	474	492	509	524	537	548	556	562	565	562
135	262	281	303	328	355	382	411	439	467	488	507	525	541	555	567	576	583	587	582
140	290	306	326	347	371	395	421	446	471	492	511	529	545	559	571	581	588	593	587
145	316	330	346	364	384	404	426	447	469	487	504	521	536	549	561	570	577	581	575
150	341	351	364	378	393	409	426	443	460	476	490	504	516	528	537	545	551	555	550
155	362	369	379	389	400	412	425	437	450	462	473	483	493	502	509	516	520	523	519
160	380	385	391	398	406	414	423	431	440	448	456	463	470	476	481	485	489	491	488
165	395	398	402	406	410	415	420	425	431	435	440	444	448	452	455	457	459	461	459
170	406	407	409	411	414	416	419	421	424	426	428	430	431	433	434	435	436	437	436
175	414	414	415	416	416	417	418	419	419	420	421	421	422	422	422	423	423	423	423
180	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm																		
NAME: 4FT									TYPE:3000K 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	4036	4038	4040	4042	4045	4048	4051	4053	4055	4056	4058	4059	4060	4062	4063	4064	4065	4067	4069
5	4007	4014	4021	4029	4036	4044	4052	4060	4065	4070	4075	4079	4083	4087	4091	4094	4096	4100	4102
10	3944	3953	3964	3975	3986	3997	4008	4019	4027	4035	4042	4049	4055	4060	4065	4070	4074	4078	4081
15	3828	3840	3853	3868	3882	3898	3913	3928	3938	3948	3957	3965	3973	3981	3987	3993	3999	4005	4010
20	3642	3656	3672	3689	3708	3727	3746	3765	3777	3788	3799	3809	3818	3827	3836	3844	3851	3860	3868
25	3347	3363	3381	3402	3425	3450	3474	3499	3514	3528	3541	3554	3566	3577	3589	3599	3610	3622	3634
30	2893	2915	2942	2972	3006	3041	3076	3111	3126	3139	3151	3162	3173	3183	3194	3204	3216	3236	3257
35	1935	2012	2099	2193	2291	2388	2482	2568	2564	2551	2532	2508	2482	2456	2431	2412	2398	2446	2501
40	1179	1254	1340	1431	1526	1618	1704	1780	1741	1691	1634	1573	1512	1455	1404	1364	1338	1424	1523
45	532	576	627	683	740	797	850	897	865	826	783	739	697	659	627	605	594	675	766
50	258	280	304	331	358	385	409	430	412	391	367	343	320	298	280	267	260	299	343
55	179	185	192	200	208	216	223	230	224	218	211	204	197	191	186	183	181	195	210
60	138	138	138	139	139	140	141	142	143	143	144	144	145	146	147	149	151	154	158
65	98.7	98.4	98.4	98.6	99.0	99.5	100	101	102	103	104	105	106	108	109	110	112	113	114
70	57.9	58.1	58.4	59.0	59.7	60.5	61.4	62.4	63.0	63.6	64.3	65.1	65.9	66.7	67.7	68.7	69.8	71.1	72.5
75	31.8	31.8	32.0	32.2	32.6	33.1	33.6	34.2	34.6	35.0	35.5	36.0	36.5	37.2	37.8	38.6	39.4	40.3	41.3
80	15.4	15.5	15.6	15.8	16.0	16.3	16.7	17.1	17.3	17.6	17.9	18.3	18.7	19.1	19.5	20.0	20.5	21.1	21.7
85	4.60	4.71	4.89	5.12	5.38	5.67	5.98	6.28	6.27	6.25	6.24	6.26	6.31	6.41	6.57	6.80	7.11	7.81	8.59
90	6.92	9.33	11.7	14.1	16.3	18.3	20.0	21.3	19.0	16.4	13.7	10.9	8.21	5.83	3.88	2.50	1.84	6.39	11.6
95	68.5	78.9	89.3	99.3	108	116	123	127	118	106	93.3	79.7	66.0	52.5	39.8	28.4	18.9	23.6	30.3
100	183	189	195	200	204	206	206	205	188	170	151	131	111	92.3	74.5	58.7	45.5	50.0	57.2
105	291	291	290	288	284	278	271	262	241	218	195	172	149	127	107	89.9	75.4	80.0	87.8
110	357	357	355	352	347	340	331	320	295	269	243	216	190	166	143	123	107	112	121
115	420	418	415	410	402	393	382	369	342	313	284	255	227	201	177	155	138	146	157
120	477	473	467	459	449	437	423	407	379	349	319	289	260	233	209	188	171	180	192
125	523	517	509	498	486	471	455	437	408	378	348	319	290	264	240	220	204	213	225
130	556	548	537	525	510	494	475	456	428	399	370	342	315	291	269	250	236	244	256
135	575	564	552	538	521	503	484	464	438	412	386	360	337	315	296	280	267	274	285
140	579	568	554	539	522	504	485	465	442	419	397	375	355	336	320	307	297	303	312
145	567	556	544	529	513	496	479	461	442	423	404	387	370	356	343	332	324	329	336
150	543	534	523	510	497	483	468	453	439	424	410	396	384	373	363	356	350	353	359
155	514	506	498	488	478	467	456	445	434	424	414	405	396	388	382	376	372	375	378
160	484	479	473	466	459	452	444	437	430	423	417	411	405	400	396	393	390	391	394
165	457	454	450	447	443	438	434	430	426	422	419	415	412	409	407	405	404	404	405
170	435	434	433	431	430	428	426	424	423	421	420	418	417	416	415	414	413	413	413
175	423	422	422	422	421	421	421	420	420	420	419	419	419	419	419	418	418	418	418
180	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410

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:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7952.69x1 lm																	
NAME: 4FT									TYPE:3000K 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	4071	4072	4074	4075	4075	4075	4075	4073	4070	4067	4063	4059	4054	4048	4042				
5	4105	4107	4108	4108	4108	4107	4106	4102	4098	4093	4087	4080	4072	4063	4053				
10	4083	4085	4086	4087	4086	4085	4083	4079	4074	4068	4062	4054	4046	4036	4026				
15	4014	4018	4021	4023	4024	4024	4023	4020	4015	4010	4003	3996	3987	3977	3966				
20	3876	3882	3888	3893	3897	3900	3902	3901	3899	3895	3891	3884	3877	3868	3858				
25	3645	3656	3666	3675	3683	3690	3696	3699	3700	3700	3699	3697	3693	3688	3681				
30	3278	3299	3320	3340	3358	3375	3390	3399	3405	3409	3411	3411	3408	3404	3397				
35	2561	2625	2691	2757	2822	2884	2941	2969	2991	3006	3014	3017	3012	3002	2984				
40	1633	1750	1869	1987	2101	2208	2302	2334	2350	2350	2336	2307	2262	2202	2127				
45	866	971	1078	1183	1284	1378	1460	1487	1500	1499	1484	1455	1412	1356	1285				
50	392	443	495	547	597	644	685	698	705	705	699	685	665	638	605				
55	226	243	260	277	292	307	319	321	321	319	314	306	296	283	268				
60	162	166	170	173	177	180	183	184	185	185	185	184	182	181	178				
65	116	117	119	120	122	123	125	127	129	132	134	136	139	141	144				
70	73.9	75.5	77.1	78.8	80.7	82.6	84.6	86.7	89.0	91.3	93.7	96.2	98.8	101	104				
75	42.3	43.5	44.6	45.9	47.1	48.5	49.9	51.3	52.8	54.3	55.8	57.5	59.1	60.9	62.6				
80	22.4	23.1	23.8	24.6	25.4	26.2	27.0	27.9	28.7	29.6	30.5	31.5	32.4	33.4	34.4				
85	9.44	10.3	11.3	12.3	13.3	14.4	15.4	16.4	17.3	18.2	19.1	20.0	20.9	21.8	22.6				
90	17.4	23.5	29.8	36.1	42.2	48.0	53.2	55.4	56.9	57.8	57.8	57.2	55.9	53.9	51.2				
95	38.6	48.1	58.5	69.4	80.4	91.1	101	105	109	111	112	112	111	110	107				
100	66.6	77.7	90.2	103	117	130	143	149	153	156	159	160	160	159	157				
105	98.2	111	124	139	155	170	185	191	196	200	203	205	205	204	203				
110	133	147	162	179	197	214	231	238	244	248	251	253	254	253	251				
115	171	188	207	226	247	267	286	294	300	305	308	309	309	307	303				
120	208	227	247	269	291	313	334	344	351	357	361	363	364	362	359				
125	242	261	282	304	327	350	373	384	393	401	407	412	415	417	417				
130	272	290	311	333	356	378	400	412	423	432	440	447	452	457	460				
135	300	316	335	355	376	397	418	430	441	451	461	469	477	484	489				
140	324	338	354	372	390	409	427	439	450	460	470	480	489	497	505				
145	346	357	370	384	399	415	430	441	451	461	471	480	489	498	507				
150	366	374	384	395	407	419	431	439	448	456	464	472	480	488	496				
155	383	389	396	404	412	420	429	435	441	447	453	459	466	472	478				
160	397	400	405	410	415	420	425	429	433	438	442	446	450	454	458				
165	407	409	411	414	416	419	422	424	426	429	431	433	436	438	441				
170	414	415	415	416	417	418	419	420	421	422	423	424	425	426	427				
175	418	418	418	418	418	418	418	418	418	418	418	418	419	419	419				
180	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410				

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: