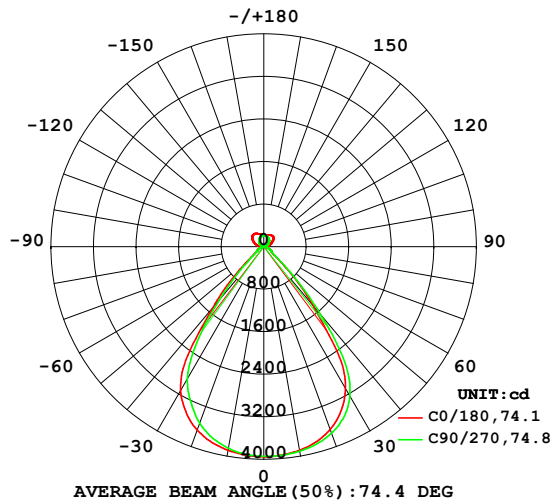


LUMINAIRE PHOTOMETRIC TEST REPORT

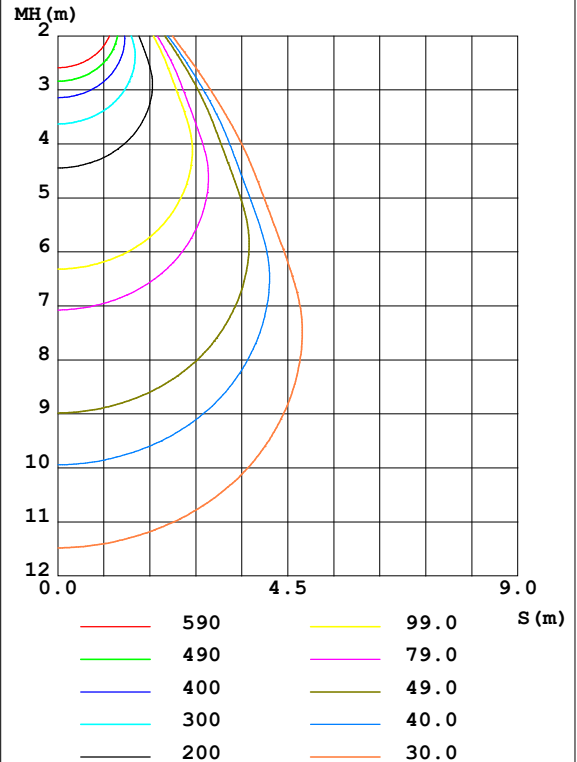
Test:U:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.68 lm/W			
MODEL		I _{max} (cd)	3954	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)	6743.4	η UP,DN (C0-180)	6.9,45.2
NOMINAL FLUX(lm)	6743.45	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	7.1,40.8
LAMPS INSIDE	1	η up (%)	14.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	86.0	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:

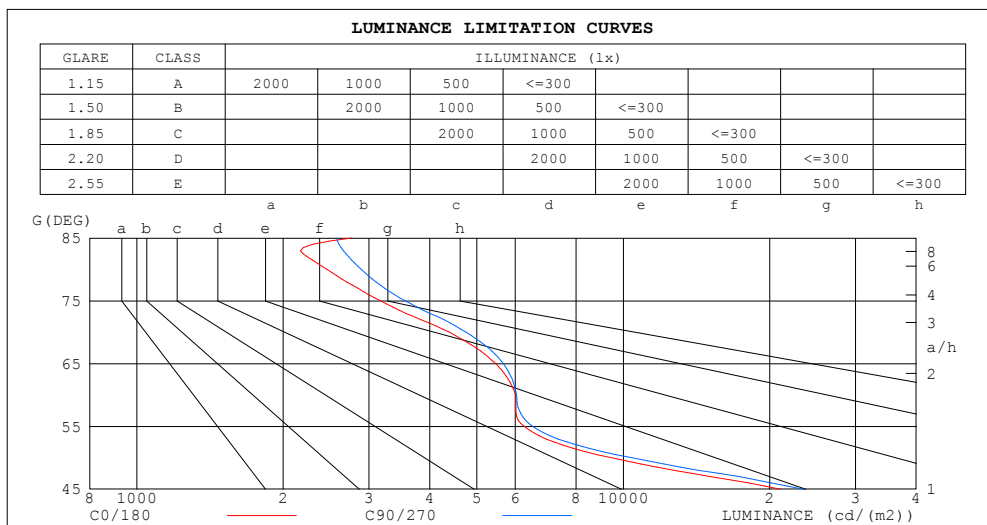
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3886	3894	3906	3904	3887	3873	3848	3848	0- 10	373.6	373.6	5.54,5.54
20	3656	3699	3732	3728	3671	3606	3530	3544	10- 20	1068	1442	21.4,21.4
30	3072	3218	3242	3301	3128	3035	2875	2893	20- 30	1567	3009	44.6,44.6
40	1433	2216	1665	2391	1478	1970	1277	1789	30- 40	1564	4573	67.8,67.8
50	303.0	647.6	333.9	780.7	325.1	529.9	256.7	470.0	40- 50	813.3	5386	79.9,79.9
60	150.2	180.3	150.8	199.3	149.8	162.8	142.1	146.0	50- 60	237.8	5624	83.4,83.4
70	75.07	78.06	81.20	86.46	76.99	74.06	68.71	64.59	60- 70	113.8	5738	85.1,85.1
80	21.36	23.68	25.13	28.05	22.48	22.53	19.94	18.59	70- 80	47.45	5785	85.8,85.8
90	24.09	13.90	2.001	35.12	43.34	49.83	0.7950	25.29	80- 90	17.16	5802	86,86
100	77.27	57.98	16.01	98.16	122.7	104.8	20.77	66.58	90-100	53.16	5856	86.8,86.8
110	122.9	103.3	45.55	153.1	187.2	161.7	51.69	113.9	100-110	98.74	5954	88.3,88.3
120	177.8	150.5	77.43	203.3	248.5	204.1	84.78	161.6	110-120	139.9	6094	90.4,90.4
130	229.6	183.9	110.1	237.7	293.1	228.1	117.4	193.3	120-130	163.5	6258	92.8,92.8
140	258.0	202.4	142.2	247.6	307.5	233.9	148.6	210.4	130-140	162.2	6420	95.2,95.2
150	251.8	210.4	172.0	241.6	289.1	230.0	175.8	212.4	140-150	138.7	6559	97.3,97.3
160	232.7	213.8	194.9	230.2	254.2	222.8	197.8	212.9	150-160	102.3	6661	98.8,98.8
170	219.9	214.4	209.7	220.1	226.0	217.6	211.3	214.3	160-170	61.84	6723	99.7,99.7
180	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4	170-180	20.61	6743	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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	2762	2576
80	2460	2894
75	3171	3563
70	4390	4748
65	5464	5666
60	6008	6030
55	6258	6511
50	9428	10388
45	21052	23475

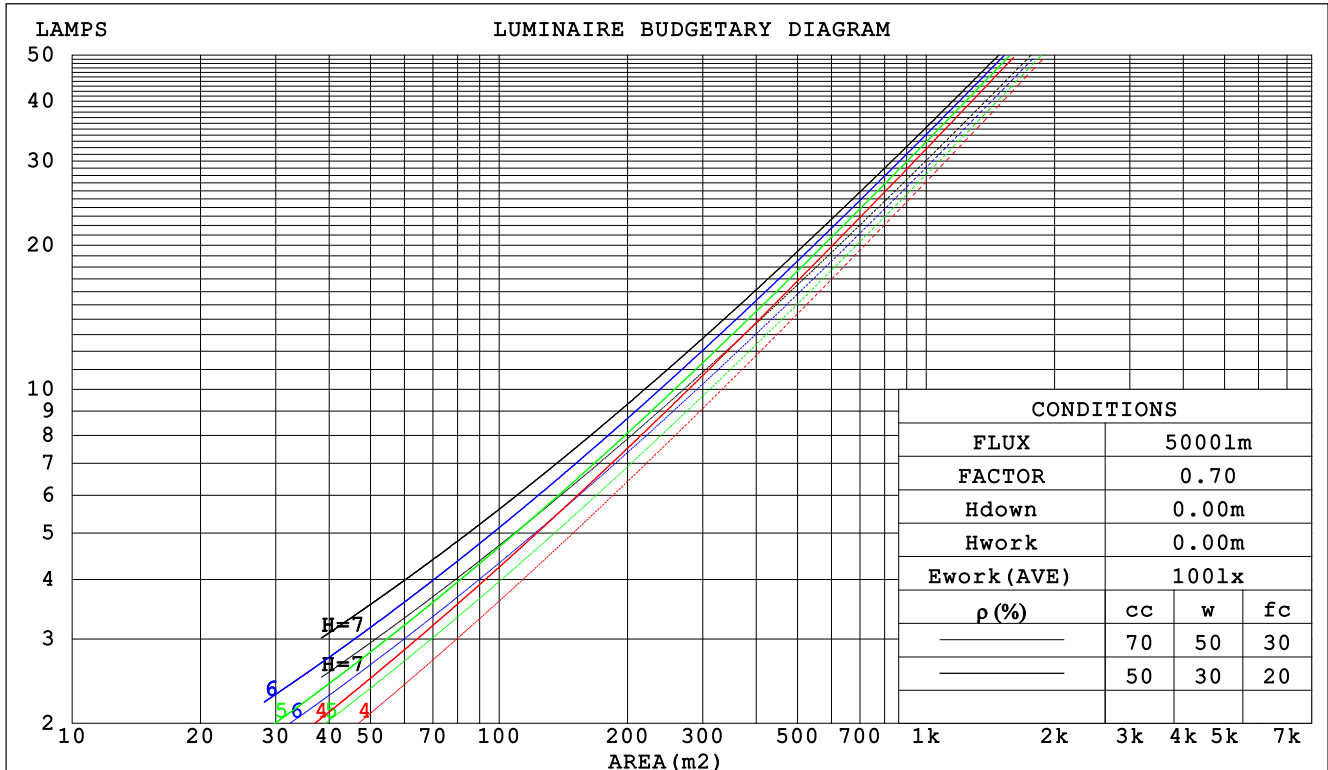
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	.86
1.0	1.05	1.02	.00	1.02	.99	.97	.95	.93	.91	.89	.88	.86	.84	.82	.81	.78
2.0	.96	.91	.87	.93	.89	.85	.87	.84	.81	.82	.80	.77	.78	.75	.74	.71
3.0	.88	.82	.77	.85	.80	.75	.80	.76	.72	.76	.72	.69	.72	.69	.67	.64
4.0	.80	.73	.68	.78	.72	.67	.74	.69	.65	.70	.66	.63	.67	.63	.61	.58
5.0	.73	.67	.61	.72	.65	.61	.68	.63	.59	.65	.60	.57	.62	.58	.55	.53
6.0	.68	.61	.56	.66	.60	.55	.63	.57	.53	.60	.55	.52	.58	.54	.50	.48
7.0	.62	.55	.51	.61	.55	.50	.58	.53	.49	.56	.51	.47	.54	.49	.46	.44
8.0	.58	.51	.46	.57	.50	.46	.54	.49	.45	.52	.47	.44	.50	.46	.43	.41
9.0	.54	.47	.42	.53	.46	.42	.51	.45	.41	.49	.44	.40	.47	.43	.39	.38
10.0	.50	.43	.39	.49	.43	.39	.47	.42	.38	.46	.41	.37	.44	.40	.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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	.216	.123	.039	.204	.117	.037	.184	.105	.034	.165	.095	.031	.147	.085	.028		
2.0	.206	.113	.035	.197	.108	.033	.178	.099	.031	.162	.091	.028	.146	.083	.026		
3.0	.196	.104	.031	.187	.100	.030	.171	.093	.028	.156	.085	.026	.142	.079	.024		
4.0	.186	.096	.028	.178	.093	.028	.163	.087	.026	.150	.080	.024	.137	.074	.023		
5.0	.176	.090	.026	.169	.087	.025	.156	.081	.024	.143	.076	.022	.132	.070	.021		
6.0	.167	.084	.024	.160	.081	.023	.148	.076	.022	.137	.071	.021	.127	.067	.020		
7.0	.158	.078	.022	.152	.076	.022	.141	.071	.021	.131	.067	.020	.121	.063	.019		
8.0	.150	.073	.021	.145	.071	.020	.135	.067	.019	.125	.064	.018	.117	.060	.017		
9.0	.143	.069	.019	.138	.067	.019	.129	.064	.018	.120	.060	.017	.112	.057	.016		
10.0	.136	.065	.018	.132	.064	.018	.123	.060	.017	.115	.057	.016	.107	.054	.016		

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	.297	.297	.297	.254	.254	.254	.173	.173	.173	.099	.099	.099	.032	.032	.032	
1.0	.281	.264	.249	.240	.227	.214	.164	.156	.148	.095	.090	.086	.030	.029	.028	
2.0	.269	.240	.216	.230	.207	.187	.158	.143	.130	.091	.083	.076	.029	.027	.025	
3.0	.259	.222	.193	.222	.192	.168	.152	.133	.118	.088	.078	.069	.028	.025	.023	
4.0	.250	.209	.177	.215	.180	.154	.148	.126	.108	.085	.074	.064	.027	.024	.021	
5.0	.243	.198	.165	.208	.171	.143	.144	.120	.101	.083	.070	.060	.027	.023	.020	
6.0	.236	.189	.156	.203	.164	.135	.140	.115	.096	.081	.067	.057	.026	.022	.019	
7.0	.230	.182	.149	.198	.158	.130	.137	.111	.092	.079	.065	.055	.026	.021	.018	
8.0	.225	.176	.143	.193	.153	.125	.134	.107	.089	.078	.063	.053	.025	.021	.017	
9.0	.220	.172	.139	.189	.149	.121	.131	.105	.086	.076	.062	.051	.025	.020	.017	
10.0	.215	.167	.136	.185	.145	.119	.129	.102	.084	.075	.060	.050	.024	.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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	20.4	21.4	20.8	21.8	22.3	20.3	21.3	20.7	21.7	22.1
	3H	20.3	21.3	20.8	21.7	22.2	20.2	21.2	20.7	21.6	22.1
	4H	20.3	21.1	20.8	21.6	22.1	20.2	21.1	20.7	21.5	22.0
	6H	20.2	21.0	20.7	21.5	22.0	20.1	20.9	20.6	21.4	21.9
	8H	20.1	20.9	20.7	21.4	21.9	20.1	20.8	20.6	21.3	21.9
	12H	20.1	20.8	20.6	21.3	21.9	20.0	20.8	20.6	21.3	21.8
4H	2H	20.2	21.1	20.7	21.5	22.0	20.1	20.9	20.6	21.4	21.9
	3H	20.2	20.9	20.7	21.4	22.0	20.1	20.8	20.6	21.3	21.9
	4H	20.1	20.8	20.7	21.3	21.9	20.0	20.7	20.6	21.2	21.8
	6H	20.0	20.6	20.6	21.2	21.8	20.0	20.6	20.6	21.1	21.8
	8H	20.0	20.5	20.6	21.1	21.8	20.0	20.5	20.6	21.1	21.7
	12H	20.0	20.4	20.6	21.0	21.7	19.9	20.4	20.5	21.0	21.7
8H	4H	20.0	20.5	20.6	21.1	21.7	19.9	20.4	20.5	21.0	21.7
	6H	19.9	20.4	20.6	21.0	21.7	19.9	20.3	20.5	20.9	21.6
	8H	19.9	20.3	20.5	20.9	21.6	19.8	20.2	20.5	20.9	21.6
	12H	19.9	20.2	20.5	20.8	21.6	19.8	20.1	20.5	20.8	21.6
12H	4H	19.9	20.4	20.5	21.0	21.7	19.8	20.3	20.5	20.9	21.6
	6H	19.9	20.2	20.5	20.9	21.6	19.8	20.2	20.5	20.8	21.6
	8H	19.8	20.2	20.5	20.8	21.6	19.8	20.1	20.5	20.8	21.5
Variations with the observer position at spacings:											
S = 1.0H	+ 2.6 / - 5.3					+ 2.2 / - 5.2					
1.5H	+ 3.0 / - 5.4					+ 3.2 / - 5.0					
2.0H	+ 4.5 / - 3.2					+ 4.1 / - 2.8					

CIE Pub.117 Corrected 6743 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.6)

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

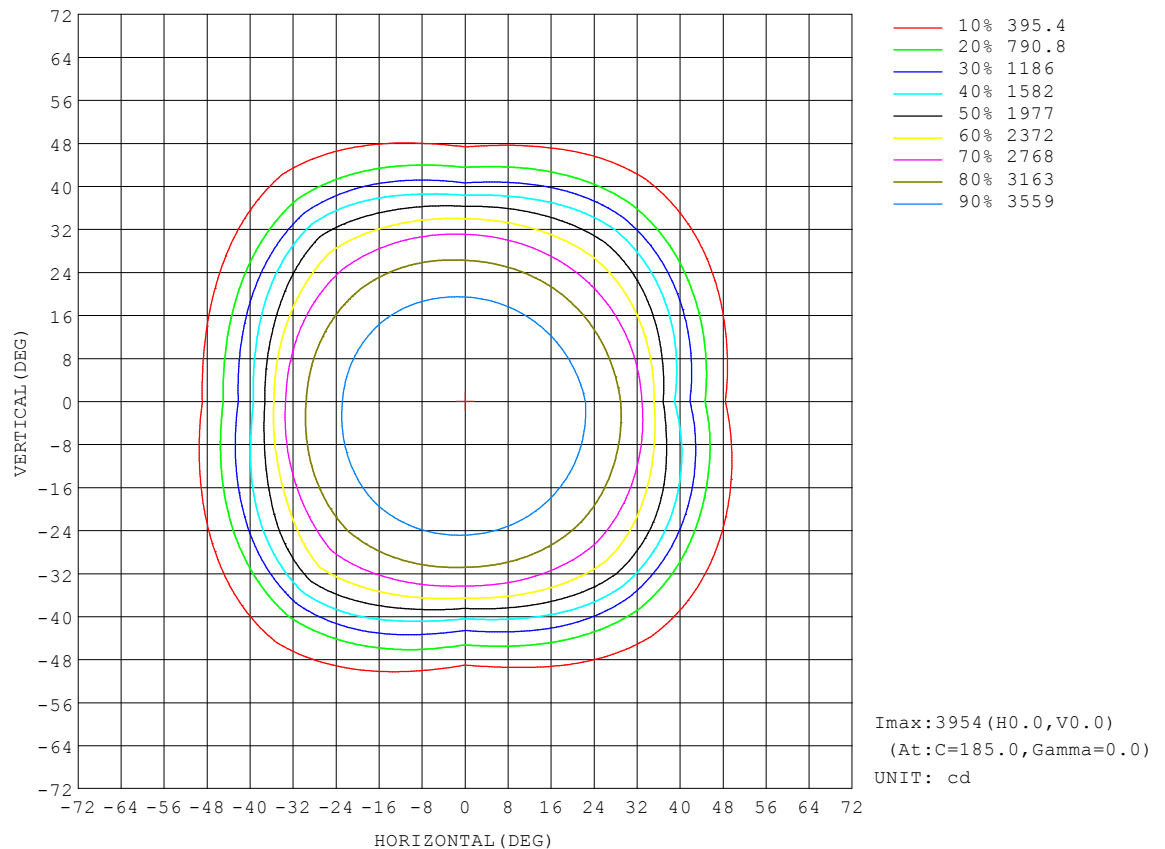
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	63	58	70	63	58	69	62	57	52
0.80	80	72	67	79	71	66	76	70	65	60
1.00	86	79	74	85	78	73	82	77	72	65
1.25	92	84	80	90	83	79	86	81	77	70
1.50	95	89	84	93	87	83	89	84	81	73
2.00	100	94	89	97	92	88	92	88	85	76
2.50	102	97	93	100	95	91	94	90	87	77
3.00	105	100	96	102	97	94	96	93	90	79
4.00	107	103	100	104	100	98	98	95	93	81
5.00	109	106	103	105	103	100	99	97	95	82
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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

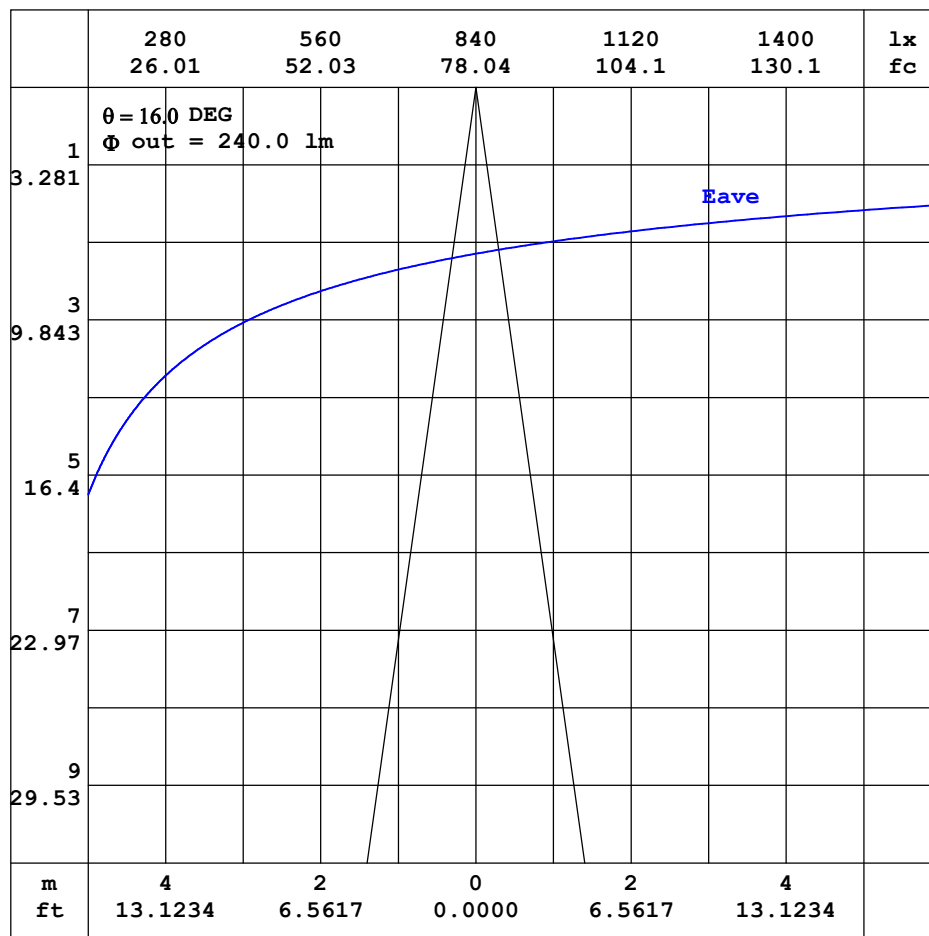


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



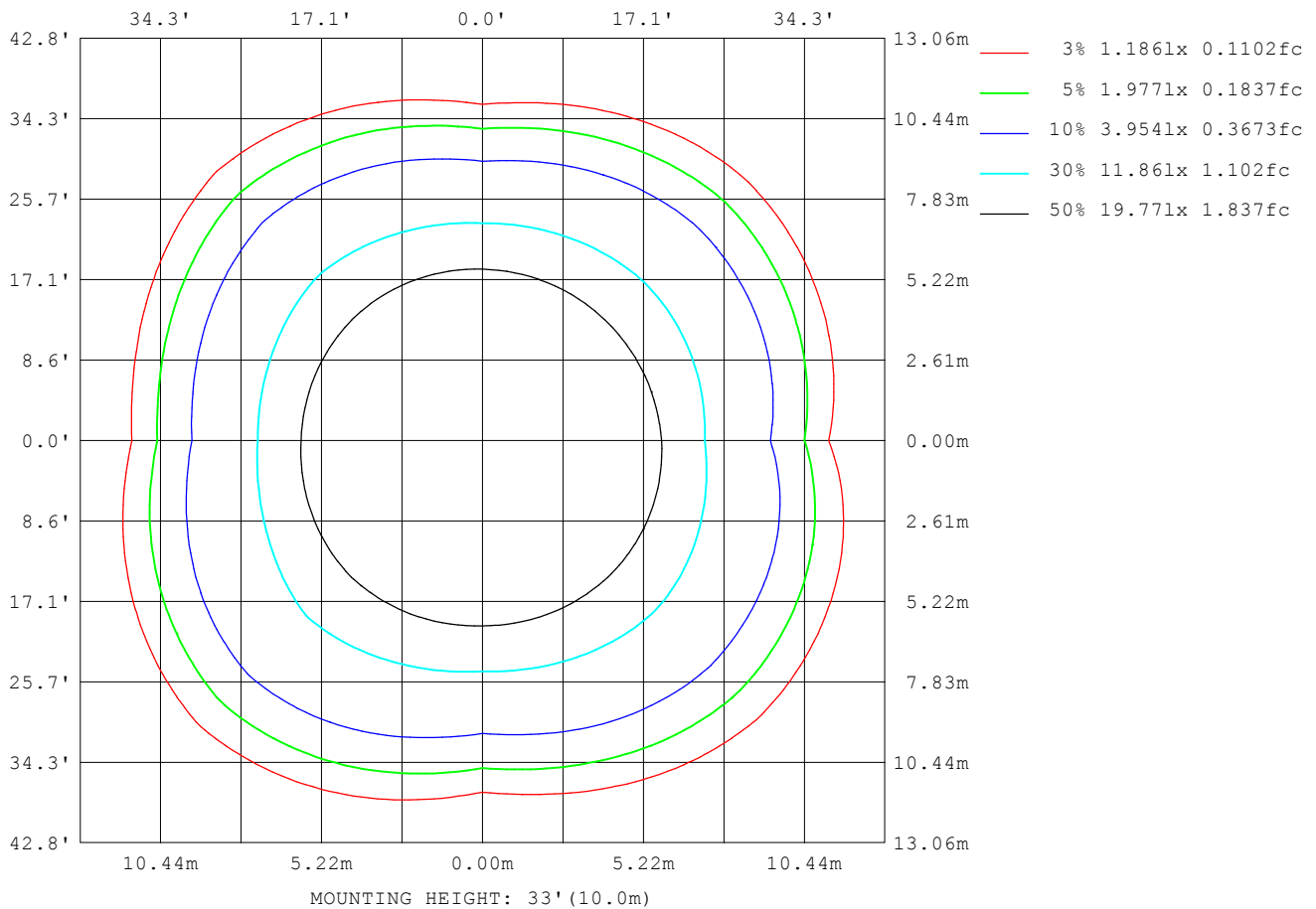
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

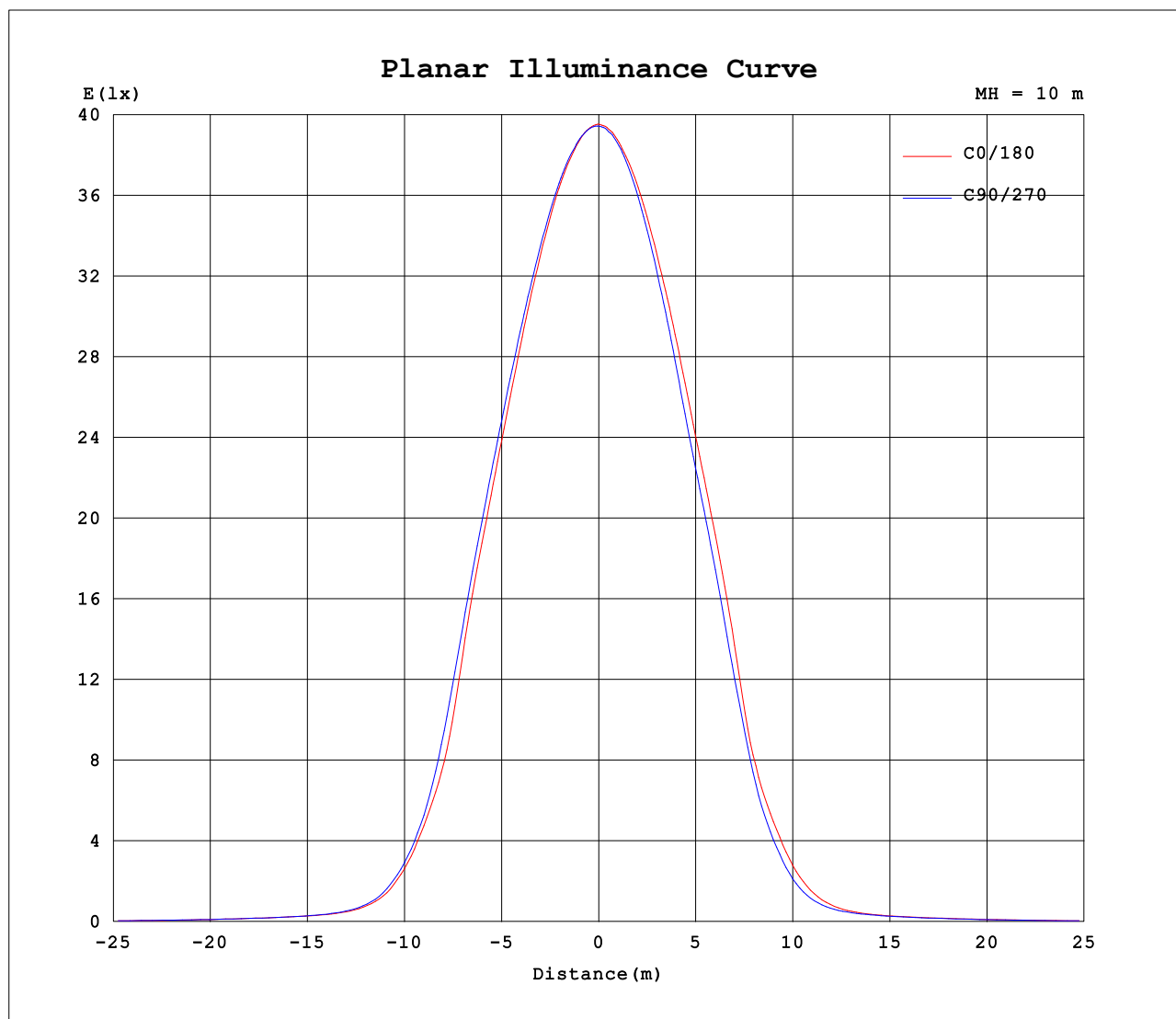
AvgL	cd/m2
L_0~180 (65) av	5504
L_0~180 (75) av	3227
L_0~180 (85) av	3124
L_90~270 (65) av	5396
L_90~270 (75) av	3259
L_90~270 (85) av	2100
L_45 (65) av	5375
L_45 (75) av	3395
L_45 (85) av	2764

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	3954	3954	3953	3953	3952	3952	3951	3951	3950	3950	3949	3949	3948	3947	3947	3946	3945	3945	3944
5	3936	3936	3936	3937	3937	3937	3937	3937	3937	3937	3937	3938	3938	3938	3938	3938	3938	3938	3938
10	3886	3887	3888	3889	3889	3890	3891	3892	3893	3894	3896	3897	3899	3900	3902	3903	3904	3905	3906
15	3799	3802	3804	3807	3809	3811	3814	3816	3819	3821	3824	3826	3829	3832	3834	3836	3838	3840	3842
20	3656	3661	3666	3671	3676	3681	3685	3690	3694	3699	3703	3708	3712	3716	3720	3724	3727	3730	3732
25	3424	3434	3444	3453	3462	3471	3480	3488	3495	3503	3510	3517	3524	3530	3536	3542	3546	3551	3554
30	3072	3094	3115	3134	3152	3168	3183	3196	3208	3218	3224	3228	3232	3234	3236	3238	3239	3240	3242
35	2406	2476	2539	2595	2645	2688	2725	2755	2779	2796	2790	2778	2763	2744	2725	2705	2686	2670	2657
40	1433	1586	1722	1842	1946	2033	2103	2157	2195	2216	2173	2117	2051	1980	1907	1835	1769	1711	1665
45	744	878	996	1099	1188	1260	1318	1361	1388	1401	1350	1288	1218	1144	1069	996	930	873	830
50	303	374	436	491	537	576	606	628	642	648	619	585	546	505	464	424	388	357	334
55	179	210	236	259	279	295	308	317	323	325	312	297	280	262	244	227	211	197	187
60	150	156	162	167	171	174	177	179	180	180	177	174	170	166	162	159	155	153	151
65	115	115	115	115	115	115	115	116	116	116	116	117	117	117	118	118	119	119	120
70	75.1	75.4	75.7	76.1	76.4	76.7	77.1	77.4	77.7	78.1	78.4	78.7	79.0	79.3	79.7	80.0	80.4	80.8	81.2
75	41.0	41.6	42.2	42.7	43.2	43.7	44.1	44.5	44.8	45.1	45.2	45.3	45.4	45.5	45.5	45.6	45.7	45.9	46.1
80	21.4	21.7	22.0	22.2	22.5	22.8	23.0	23.2	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.8	24.9	25.1
85	12.0	11.8	11.6	11.4	11.2	11.0	10.9	10.8	10.7	10.6	10.6	10.6	10.6	10.6	10.7	10.8	11.0	11.1	11.2
90	24.1	23.0	22.0	20.9	19.8	18.6	17.5	16.3	15.1	13.9	11.8	9.75	7.81	6.04	4.51	3.27	2.40	2.02	2.00
95	55.0	54.2	53.2	51.9	50.4	48.6	46.6	44.4	42.0	39.3	34.2	29.0	23.9	19.1	14.7	11.0	7.95	5.87	4.89
100	77.3	76.2	74.9	73.4	71.5	69.4	66.9	64.2	61.2	58.0	51.8	45.4	39.3	33.4	28.1	23.5	19.8	17.2	16.0
105	99.0	98.2	97.0	95.5	93.6	91.3	88.7	85.8	82.5	78.8	71.7	64.4	57.3	50.5	44.3	38.9	34.6	31.6	30.2
110	123	123	122	121	119	117	114	111	107	103	95.1	86.6	78.3	70.3	62.9	56.5	51.3	47.5	45.5
115	150	150	149	147	146	143	140	137	133	128	119	109	99.4	90.2	81.8	74.3	68.2	63.8	61.4
120	178	177	176	174	171	168	165	161	156	151	140	130	119	109	99.9	91.8	85.1	80.2	77.4
125	206	204	201	198	195	190	186	181	175	169	158	147	136	126	116	108	101	96.4	93.7
130	230	226	222	217	213	208	202	196	190	184	173	162	151	141	132	124	117	113	110
135	248	243	238	232	226	220	214	208	201	195	184	174	164	154	146	139	133	129	127
140	258	252	246	240	234	228	221	215	209	202	193	183	174	166	159	152	147	144	142
145	257	252	246	241	235	229	224	218	213	207	199	192	184	177	171	166	162	159	158
150	252	247	242	238	233	228	224	219	215	210	204	198	192	187	182	178	175	173	172
155	243	239	236	232	229	226	222	219	216	212	208	203	199	195	192	189	186	185	184
160	233	231	229	226	224	222	220	218	216	214	211	208	205	202	200	198	196	195	195
165	225	224	223	221	220	219	218	217	215	214	212	211	209	207	206	205	204	204	203
170	220	219	219	218	217	217	216	216	215	214	214	213	212	211	211	210	210	210	210
175	216	216	216	216	215	215	215	215	215	215	215	214	214	214	214	214	214	214	214
180	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	3943	3943	3942	3941	3941	3941	3941	3941	3941	3942	3943	3945	3947	3948	3950	3951	3953	3954	3954
5	3938	3938	3938	3938	3938	3938	3938	3938	3938	3937	3937	3937	3937	3937	3936	3936	3936	3935	3935
10	3907	3907	3907	3907	3907	3907	3906	3905	3904	3903	3901	3899	3897	3895	3893	3891	3889	3887	3885
15	3842	3843	3843	3843	3842	3841	3840	3839	3837	3834	3831	3828	3825	3821	3817	3813	3809	3805	3801
20	3734	3735	3735	3736	3735	3734	3733	3730	3728	3723	3718	3712	3706	3700	3693	3686	3679	3671	3665
25	3558	3561	3564	3565	3566	3565	3564	3561	3557	3548	3538	3527	3515	3503	3490	3477	3464	3450	3442
30	3252	3261	3271	3280	3288	3294	3299	3301	3301	3288	3272	3254	3235	3214	3193	3171	3149	3128	3117
35	2686	2719	2754	2790	2824	2856	2884	2906	2921	2886	2845	2798	2747	2694	2641	2589	2540	2495	2496
40	1736	1818	1909	2003	2097	2187	2268	2338	2391	2314	2222	2118	2006	1891	1776	1666	1565	1478	1510
45	907	996	1094	1197	1300	1399	1491	1570	1633	1569	1488	1394	1292	1185	1077	973	875	789	808
50	376	426	480	537	595	650	701	745	781	746	702	652	597	539	481	424	372	325	336
55	204	224	246	270	293	316	337	355	370	356	338	317	294	270	247	223	202	183	188
60	156	161	167	173	179	185	191	196	199	196	191	186	180	174	167	161	155	150	150
65	120	121	122	123	123	124	124	124	125	124	124	123	122	121	120	119	118	117	116
70	82.0	82.8	83.6	84.3	84.9	85.5	86.0	86.3	86.5	85.7	84.9	83.9	82.8	81.7	80.5	79.3	78.1	77.0	76.5
75	46.9	47.7	48.5	49.3	50.1	50.8	51.3	51.8	52.0	51.3	50.4	49.3	48.2	47.0	45.8	44.7	43.5	42.5	42.3
80	25.6	26.0	26.4	26.8	27.2	27.5	27.8	28.0	28.0	27.6	27.0	26.4	25.8	25.1	24.4	23.7	23.1	22.5	22.4
85	11.5	11.8	12.2	12.5	12.8	13.2	13.5	13.9	14.2	14.4	14.5	14.7	14.8	14.9	15.0	15.1	15.1	15.2	15.4
90	4.74	7.93	11.5	15.3	19.3	23.4	27.5	31.4	35.1	36.8	38.3	39.5	40.5	41.3	41.9	42.5	42.9	43.3	45.1
95	10.2	16.6	23.9	31.7	40.0	48.5	57.0	65.3	73.2	77.1	80.4	83.1	85.3	87.1	88.3	89.1	89.6	89.7	90.6
100	22.3	29.9	38.6	48.0	58.0	68.2	78.5	88.6	98.2	103	108	112	115	118	120	121	122	123	123
105	37.4	46.2	56.1	67.0	78.5	90.4	102	114	125	131	137	142	146	149	152	154	155	155	156
110	53.7	63.6	74.8	87.1	100	114	127	140	153	160	167	172	177	180	183	185	187	187	188
115	70.2	81.0	93.3	107	121	136	151	166	180	188	195	201	207	211	214	217	218	219	219
120	86.7	98.1	111	125	141	157	172	188	203	212	221	228	234	239	243	246	248	248	248
125	103	115	128	143	159	175	191	208	223	233	242	250	257	263	267	271	273	274	272
130	119	131	144	158	174	190	206	222	238	248	258	267	274	280	286	290	292	293	291
135	135	146	158	171	185	200	215	231	245	256	266	275	283	290	296	300	303	305	301
140	150	159	169	181	194	207	221	234	248	258	268	277	285	292	298	303	306	308	304
145	164	172	181	190	201	212	223	235	246	256	265	273	280	287	293	297	300	302	298
150	177	183	190	197	206	214	223	233	242	250	257	264	270	276	281	285	288	289	286
155	188	192	197	203	209	216	222	229	236	242	248	253	258	262	266	269	271	272	269
160	197	200	204	208	212	216	221	226	230	234	238	242	245	248	250	252	253	254	252
165	205	207	209	211	214	216	219	222	225	227	229	231	233	235	236	237	238	238	237
170	210	211	212	214	215	216	218	219	220	221	222	223	224	225	225	226	226	226	225
175	214	215	215	215	216	216	216	217	217	217	218	218	218	218	218	218	218	218	218
180	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	3954	3954	3953	3953	3952	3951	3951	3950	3949	3949	3948	3947	3947	3946	3945	3945	3944	3943	3943
5	3934	3933	3933	3932	3931	3930	3929	3929	3928	3927	3926	3925	3924	3923	3922	3921	3920	3918	3917
10	3884	3882	3881	3880	3878	3877	3875	3873	3870	3867	3864	3861	3858	3855	3853	3850	3848	3846	3845
15	3797	3793	3789	3785	3781	3777	3773	3768	3763	3758	3753	3748	3743	3739	3735	3731	3727	3725	3722
20	3658	3651	3644	3636	3629	3621	3614	3606	3596	3587	3577	3568	3559	3551	3543	3536	3530	3527	3525
25	3433	3424	3416	3407	3398	3389	3379	3369	3353	3336	3319	3303	3287	3272	3259	3247	3236	3233	3231
30	3106	3096	3086	3076	3066	3056	3046	3035	3016	2996	2977	2957	2939	2921	2904	2889	2875	2869	2864
35	2501	2510	2521	2533	2544	2555	2562	2565	2527	2486	2441	2396	2350	2306	2265	2229	2197	2206	2221
40	1557	1613	1677	1743	1809	1872	1926	1970	1908	1834	1752	1666	1578	1492	1411	1338	1277	1312	1359
45	839	879	926	975	1025	1073	1115	1149	1099	1040	975	907	838	770	707	650	602	630	667
50	354	376	402	430	459	486	510	530	506	477	444	410	375	341	309	281	257	272	293
55	196	206	218	230	243	255	266	276	267	256	244	231	218	205	193	181	172	177	184
60	151	152	154	155	157	159	161	163	161	159	157	154	152	149	147	144	142	142	142
65	116	115	115	114	113	113	112	112	111	111	111	110	110	110	109	109	108	107	106
70	76.1	75.7	75.4	75.1	74.9	74.6	74.3	74.1	73.5	73.0	72.4	71.8	71.2	70.5	69.9	69.3	68.7	67.9	67.2
75	42.2	42.1	42.2	42.2	42.3	42.4	42.5	42.6	42.2	41.7	41.3	40.8	40.3	39.8	39.2	38.7	38.2	37.8	37.4
80	22.3	22.3	22.3	22.3	22.4	22.5	22.5	22.5	22.3	22.0	21.8	21.5	21.2	20.9	20.5	20.2	19.9	19.7	19.4
85	15.5	15.7	15.7	15.8	15.8	15.7	15.5	15.2	14.4	13.5	12.5	11.6	10.6	9.62	8.70	7.85	7.08	6.88	6.77
90	46.8	48.4	49.6	50.6	51.2	51.3	50.9	49.8	44.8	39.2	33.3	27.2	21.2	15.3	9.88	4.97	0.80	1.70	3.38
95	91.1	91.2	90.9	90.0	88.6	86.5	83.7	80.3	72.1	63.4	54.4	45.4	36.5	28.1	20.3	13.4	7.71	9.21	11.9
100	123	123	121	120	117	114	110	105	95.2	85.0	74.5	64.0	53.8	44.1	35.1	27.3	20.8	22.5	25.5
105	156	155	153	151	148	144	139	133	122	110	97.8	85.7	73.9	62.7	52.4	43.3	35.8	37.8	41.4
110	188	187	185	182	178	174	168	162	149	136	122	108	94.6	81.9	70.3	60.1	51.7	54.2	58.6
115	218	216	213	210	205	199	192	185	171	156	142	127	113	99.4	87.2	76.6	68.0	71.1	76.3
120	246	243	239	234	228	221	213	204	190	175	159	144	130	116	104	93.3	84.8	88.3	93.9
125	269	265	260	254	246	238	229	219	204	189	174	159	145	131	120	109	101	105	111
130	286	281	275	267	259	249	239	228	214	199	185	171	157	145	134	125	117	121	126
135	296	290	283	274	265	255	244	233	219	206	193	180	168	157	147	139	133	136	141
140	298	292	284	275	266	256	245	234	222	210	199	188	178	168	160	154	149	151	155
145	293	287	279	271	262	253	243	233	223	213	203	194	186	179	172	167	162	164	167
150	281	276	269	262	255	247	238	230	222	214	207	200	194	188	183	179	176	177	179
155	266	262	257	251	245	239	233	227	221	215	210	205	201	197	193	190	188	189	190
160	250	247	243	240	236	231	227	223	219	215	212	209	206	203	201	199	198	198	199
165	236	234	232	230	227	225	222	220	218	216	214	212	210	209	208	206	206	206	206
170	225	224	223	222	221	220	219	218	217	216	215	214	213	213	212	212	211	211	211
175	218	218	218	217	217	217	216	216	216	216	215	215	215	215	215	215	214	214	214
180	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209

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:120.8V I:0.4120A P:49.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6743.45x1 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	3942	3941	3941	3941	3941	3941	3941	3941	3942	3943	3945	3946	3948	3950	3952				
5	3915	3914	3913	3912	3911	3910	3910	3912	3913	3915	3918	3920	3924	3927	3932				
10	3844	3844	3844	3844	3845	3846	3848	3850	3853	3856	3860	3864	3869	3874	3880				
15	3721	3719	3719	3719	3720	3722	3725	3730	3735	3741	3749	3757	3766	3776	3787				
20	3525	3525	3526	3529	3533	3538	3544	3552	3560	3570	3582	3594	3608	3623	3639				
25	3232	3234	3239	3245	3252	3261	3272	3283	3296	3310	3325	3342	3360	3380	3401				
30	2862	2862	2864	2868	2874	2882	2893	2905	2918	2934	2952	2972	2994	3018	3044				
35	2240	2264	2290	2318	2347	2375	2402	2413	2421	2426	2429	2429	2427	2423	2416				
40	1416	1479	1545	1612	1677	1737	1789	1792	1785	1767	1738	1698	1648	1587	1516				
45	712	762	814	867	919	967	1009	1012	1008	995	974	945	907	861	807				
50	317	343	371	398	425	449	470	470	466	457	443	424	401	373	340				
55	192	201	210	220	229	237	244	244	242	238	232	225	216	206	193				
60	142	142	143	143	144	145	146	146	147	147	148	148	149	149	150				
65	105	104	104	103	102	102	102	102	103	104	106	107	109	111	113				
70	66.5	65.9	65.4	65.0	64.7	64.6	64.6	65.0	65.7	66.5	67.4	68.6	70.0	71.5	73.2				
75	37.0	36.7	36.4	36.2	36.1	36.0	36.0	36.2	36.5	36.9	37.4	37.9	38.6	39.3	40.1				
80	19.2	19.0	18.8	18.7	18.6	18.6	18.6	18.7	18.8	19.1	19.3	19.6	20.0	20.4	20.8				
85	6.74	6.81	6.96	7.18	7.46	7.79	8.16	8.46	8.78	9.15	9.54	9.97	10.4	10.9	11.5				
90	5.69	8.50	11.7	15.1	18.6	22.0	25.3	26.4	27.2	27.7	27.9	27.8	27.3	26.6	25.5				
95	15.6	20.0	25.1	30.5	36.2	41.9	47.3	49.7	51.8	53.4	54.7	55.5	56.0	56.1	55.7				
100	29.8	34.9	40.8	47.1	53.6	60.2	66.6	69.5	72.0	74.0	75.7	76.9	77.6	77.9	77.8				
105	46.3	52.2	58.9	66.2	73.8	81.3	88.6	91.8	94.6	96.8	98.4	99.6	100	100	99.9				
110	64.4	71.5	79.4	87.9	96.7	105	114	117	120	123	124	125	126	125	125				
115	83.0	91.1	100	110	120	130	139	143	147	149	151	152	153	153	152				
120	101	110	120	130	141	151	162	166	170	174	176	178	179	179	179				
125	118	127	137	148	159	170	181	186	191	195	199	202	204	205	206				
130	133	142	151	161	172	183	193	199	205	210	214	218	222	225	228				
135	148	156	165	174	185	195	205	211	217	223	228	233	237	241	245				
140	161	167	175	183	192	201	210	216	222	228	233	239	244	249	253				
145	172	177	183	190	197	204	212	217	222	227	232	237	242	247	252				
150	182	186	191	196	201	207	212	217	221	225	230	234	238	243	247				
155	192	195	198	201	205	209	213	216	219	222	226	229	232	236	239				
160	200	202	204	206	208	210	213	215	217	219	221	223	226	228	230				
165	207	208	209	210	212	213	214	215	217	218	219	220	221	223	224				
170	212	212	212	213	213	214	214	215	215	216	217	217	218	218	219				
175	214	214	214	214	214	214	214	215	215	215	215	215	215	216	216				
180	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209				

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: