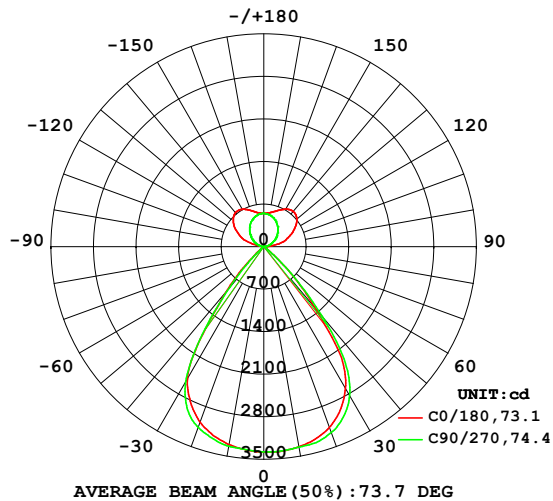


LUMINAIRE PHOTOMETRIC TEST REPORT

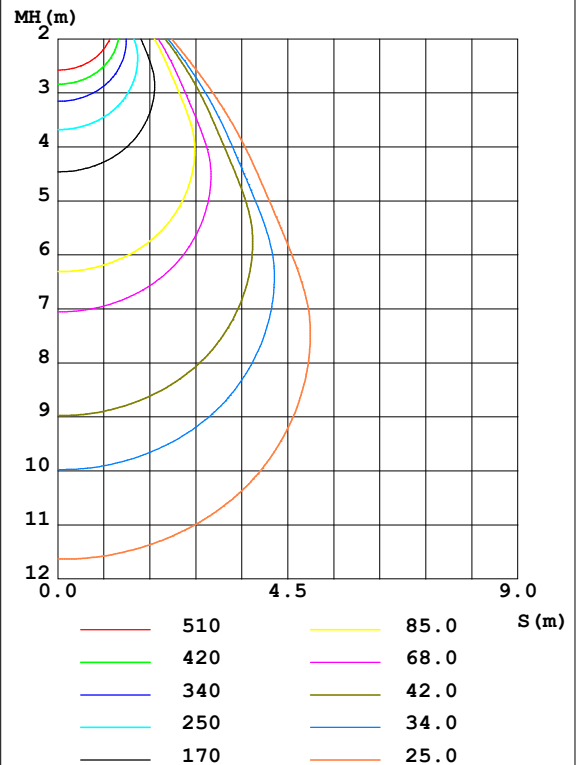
Test:U:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.40 lm/W			
MODEL		I _{max} (cd)	3385	S/MH (C0/180)	1.10
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH (C90/270)	1.03
RATED VOLTAGE(V)	120.0	TOTAL FLUX (lm)	6996.0	η UP,DN (C0-180)	16.5,35.6
NOMINAL FLUX(lm)	6995.96	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	16.6,31.2
LAMPS INSIDE	1	η up (%)	33.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	66.9	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:

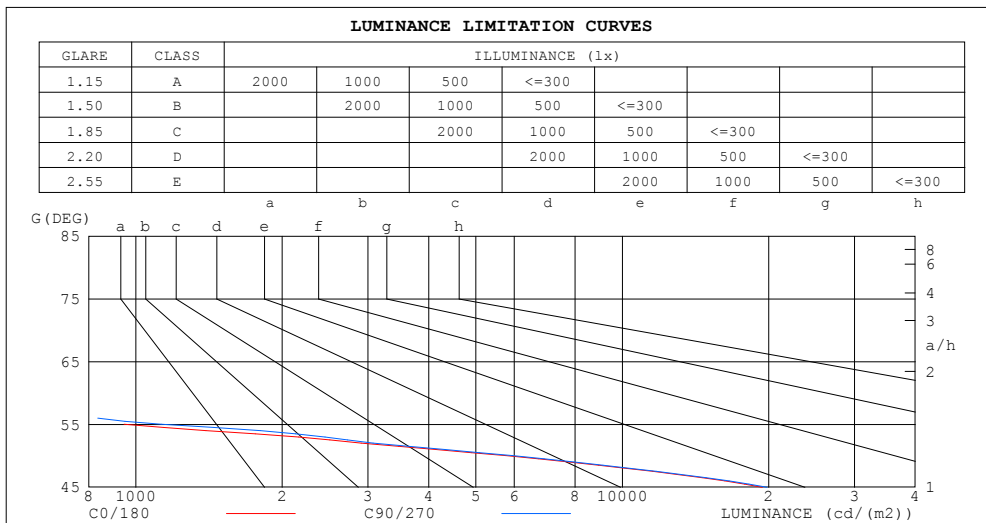
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3343	3348	3349	3332	3304	3299	3335	3316	0- 10	319.9	319.9	4.57,4.57
20	3164	3224	3253	3206	3071	3106	3163	3134	10- 20	922.0	1242	17.8,17.8
30	2690	2847	2827	2823	2514	2606	2570	2674	20- 30	1367	2609	37.3,37.3
40	1309	2014	1501	1948	946.2	1528	873.6	1609	30- 40	1336	3945	56.4,56.4
50	185.2	574.7	191.2	502.9	72.96	252.3	43.65	282.3	40- 50	621.4	4566	65.3,65.3
60	10.15	56.69	12.60	46.70	10.46	13.13	8.515	16.74	50- 60	91.39	4658	66.6,66.6
70	5.796	7.223	8.175	7.807	6.009	5.652	5.550	5.364	60- 70	10.26	4668	66.7,66.7
80	3.199	4.702	4.946	5.242	3.395	3.590	3.219	3.544	70- 80	5.420	4673	66.8,66.8
90	10.34	3.304	2.526	3.896	2.224	3.088	0.1427	12.13	80- 90	3.687	4677	66.9,66.9
100	214.7	199.1	39.02	126.2	69.08	168.2	45.07	218.0	90-100	60.10	4737	67.7,67.7
110	420.8	344.4	118.5	323.4	353.1	330.1	122.7	346.3	100-110	231.2	4968	71,71
120	584.7	460.3	202.0	467.7	521.0	457.1	202.9	464.4	110-120	355.7	5324	76.1,76.1
130	712.7	529.4	286.1	563.8	658.4	544.5	283.2	550.5	120-130	420.3	5744	82.1,82.1
140	758.8	556.5	367.1	601.6	730.3	580.9	365.9	577.5	130-140	419.4	6164	88.1,88.1
150	713.0	558.8	438.4	597.9	711.4	580.6	440.6	571.5	140-150	358.6	6522	93.2,93.2
160	629.5	552.8	495.9	574.8	635.8	565.9	499.8	559.1	150-160	263.4	6786	97,97
170	568.3	548.3	533.9	555.1	568.9	554.1	537.9	550.6	160-170	157.9	6943	99.2,99.2
180	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	170-180	52.51	6996	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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	535	832
80	368	570
75	336	502
70	339	478
65	355	473
60	406	504
55	945	1128
50	5763	5948
45	19404	19841

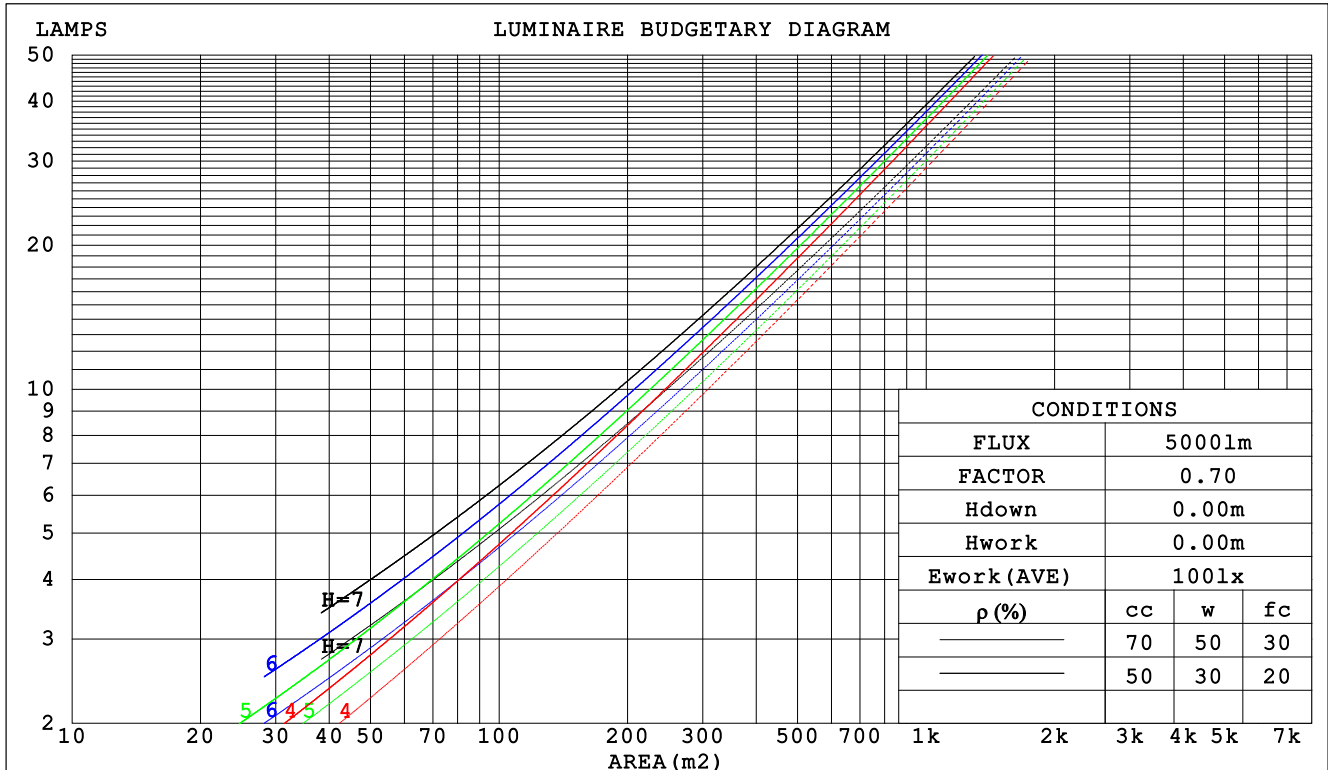
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.72	.72	.72	.67
1.0	1.01	.98	.95	.95	.93	.91	.85	.83	.82	.76	.75	.74	.67	.67	.66	.62
2.0	.92	.87	.83	.87	.83	.79	.78	.75	.73	.70	.68	.66	.63	.61	.60	.56
3.0	.83	.77	.73	.79	.74	.70	.72	.68	.65	.65	.62	.60	.59	.57	.55	.52
4.0	.76	.70	.65	.73	.67	.62	.66	.62	.58	.60	.57	.54	.55	.52	.50	.47
5.0	.70	.63	.58	.67	.61	.56	.61	.56	.52	.56	.52	.49	.51	.48	.46	.43
6.0	.64	.57	.52	.61	.55	.51	.56	.51	.48	.52	.48	.45	.47	.44	.42	.40
7.0	.59	.52	.47	.57	.50	.46	.52	.47	.43	.48	.44	.41	.44	.41	.39	.36
8.0	.54	.48	.43	.52	.46	.42	.48	.43	.40	.45	.41	.38	.41	.38	.36	.34
9.0	.50	.44	.39	.49	.42	.38	.45	.40	.36	.42	.38	.35	.39	.35	.33	.31
10.0	.47	.40	.36	.45	.39	.35	.42	.37	.34	.39	.35	.32	.36	.33	.30	.29



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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	.215	.122	.039	.198	.113	.036	.167	.096	.031	.138	.079	.025	.111	.064	.021		
2.0	.204	.112	.034	.189	.104	.032	.161	.089	.028	.135	.076	.024	.110	.063	.020		
3.0	.193	.103	.031	.179	.096	.029	.154	.083	.025	.130	.071	.022	.108	.060	.019		
4.0	.183	.095	.028	.170	.089	.026	.147	.078	.023	.125	.067	.020	.105	.057	.017		
5.0	.173	.088	.025	.161	.083	.024	.140	.073	.021	.120	.063	.019	.101	.054	.016		
6.0	.164	.082	.023	.153	.077	.022	.134	.068	.020	.115	.060	.018	.098	.052	.015		
7.0	.155	.077	.022	.146	.073	.021	.127	.064	.019	.110	.057	.016	.094	.049	.014		
8.0	.147	.072	.020	.138	.068	.019	.122	.061	.017	.106	.054	.015	.091	.047	.014		
9.0	.140	.068	.019	.132	.064	.018	.116	.057	.016	.101	.051	.015	.088	.044	.013		
10.0	.133	.064	.018	.126	.061	.017	.111	.054	.015	.097	.048	.014	.084	.042	.012		

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	.443	.443	.443	.379	.379	.379	.258	.258	.258	.148	.148	.148	.047	.047	.047	
1.0	.428	.412	.397	.367	.353	.341	.251	.243	.236	.144	.141	.137	.046	.045	.044	
2.0	.417	.389	.365	.357	.335	.315	.245	.231	.220	.141	.135	.129	.045	.044	.042	
3.0	.407	.372	.343	.349	.320	.297	.240	.223	.209	.138	.130	.123	.044	.042	.040	
4.0	.399	.358	.327	.343	.310	.284	.236	.216	.200	.136	.126	.118	.044	.041	.039	
5.0	.392	.348	.316	.337	.301	.274	.232	.210	.194	.134	.124	.115	.043	.040	.038	
6.0	.386	.340	.307	.332	.294	.267	.229	.206	.189	.133	.121	.112	.043	.040	.037	
7.0	.380	.333	.300	.327	.289	.262	.226	.203	.185	.131	.119	.110	.042	.039	.037	
8.0	.375	.328	.295	.323	.284	.257	.223	.200	.183	.130	.118	.109	.042	.039	.036	
9.0	.370	.323	.291	.319	.280	.254	.221	.197	.180	.129	.116	.108	.042	.038	.036	
10.0	.366	.319	.288	.315	.277	.252	.219	.195	.179	.127	.115	.107	.041	.038	.035	

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm										
NAME: 4FT					TYPE:3000K 3.7			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	19.0	19.9	19.7	20.5	21.3	18.8	19.7	19.4	20.3	21.0
3H	18.7	19.5	19.4	20.2	21.0	18.5	19.3	19.2	20.0	20.8
4H	18.6	19.3	19.3	20.0	20.8	18.4	19.1	19.1	19.8	20.6
6H	18.4	19.1	19.2	19.8	20.7	18.2	18.9	19.0	19.6	20.5
8H	18.3	19.0	19.1	19.7	20.6	18.1	18.8	18.9	19.5	20.4
12H	18.3	18.9	19.0	19.6	20.5	18.1	18.7	18.8	19.4	20.3
4H 2H	18.6	19.3	19.3	20.0	20.8	18.4	19.1	19.1	19.8	20.6
3H	18.3	18.9	19.0	19.6	20.5	18.1	18.7	18.8	19.4	20.3
4H	18.1	18.7	18.9	19.4	20.4	17.9	18.5	18.7	19.2	20.2
6H	18.0	18.4	18.8	19.2	20.2	17.8	18.2	18.6	19.0	20.0
8H	17.9	18.3	18.7	19.1	20.1	17.7	18.1	18.5	18.9	19.9
12H	17.8	18.2	18.7	19.0	20.0	17.6	18.0	18.5	18.8	19.8
8H 4H	17.9	18.3	18.7	19.1	20.1	17.7	18.1	18.5	18.9	19.9
6H	17.7	18.1	18.6	18.9	19.9	17.5	17.9	18.4	18.7	19.7
8H	17.6	17.9	18.5	18.8	19.9	17.4	17.7	18.3	18.6	19.7
12H	17.6	17.8	18.4	18.7	19.8	17.4	17.6	18.2	18.5	19.6
12H 4H	17.8	18.2	18.6	19.0	20.0	17.6	18.0	18.4	18.8	19.8
6H	17.6	17.9	18.5	18.8	19.9	17.4	17.7	18.3	18.6	19.7
8H	17.6	17.8	18.4	18.7	19.8	17.4	17.6	18.2	18.5	19.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / -16.5					+ 2.7 / -16.2				
1.5H	+ 3.3 / -12.2					+ 3.6 / -11.6				
2.0H	+ 6.5 / -16.3					+ 6.3 / -14.1				

CIE Pub.117 Corrected 6996 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.8)

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

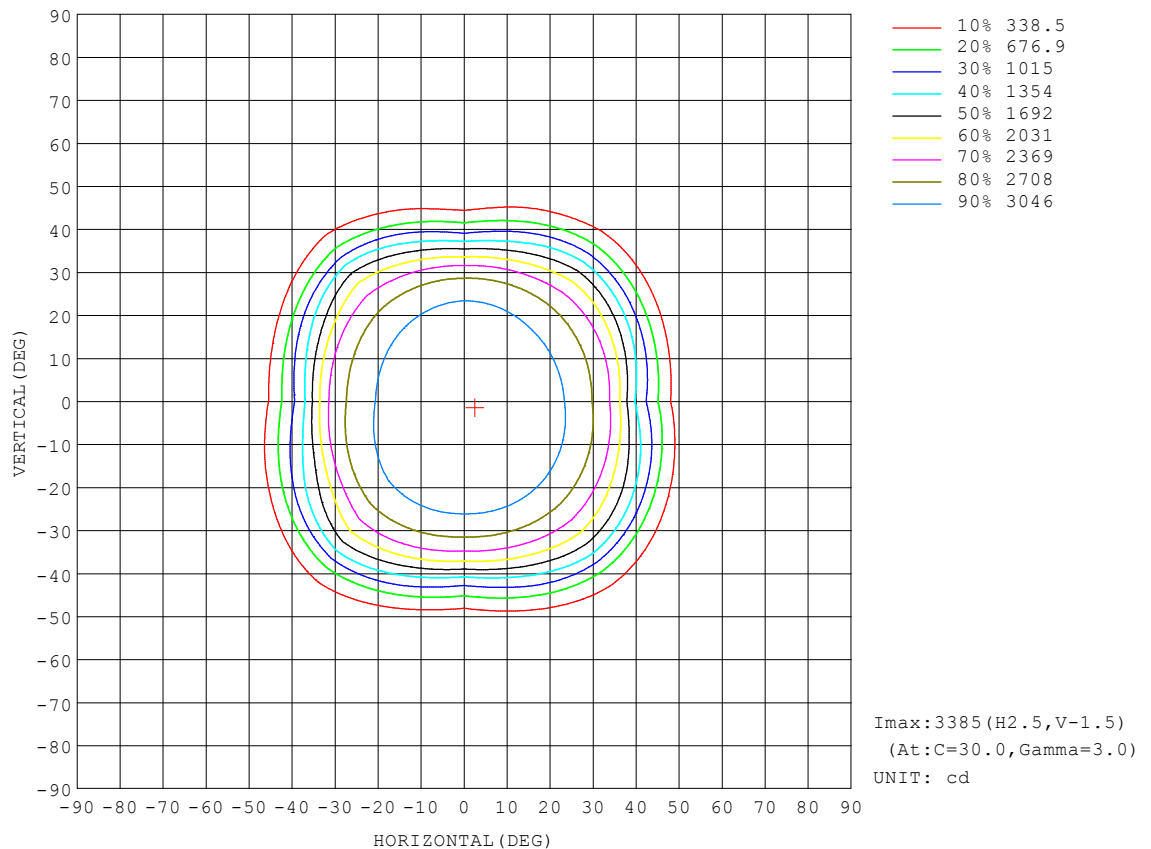
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	56	51	63	55	50	60	53	49	44
0.80	73	65	59	71	63	58	67	61	57	50
1.00	79	71	66	76	69	64	71	66	62	54
1.25	85	77	72	81	75	70	76	70	67	57
1.50	89	81	76	85	79	74	78	74	70	59
2.00	93	87	82	89	84	79	82	77	74	61
2.50	96	90	86	92	87	83	83	80	77	62
3.00	99	93	89	94	89	86	85	82	79	63
4.00	102	97	93	96	93	90	87	84	82	64
5.00	103	100	96	98	95	92	88	86	84	65
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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

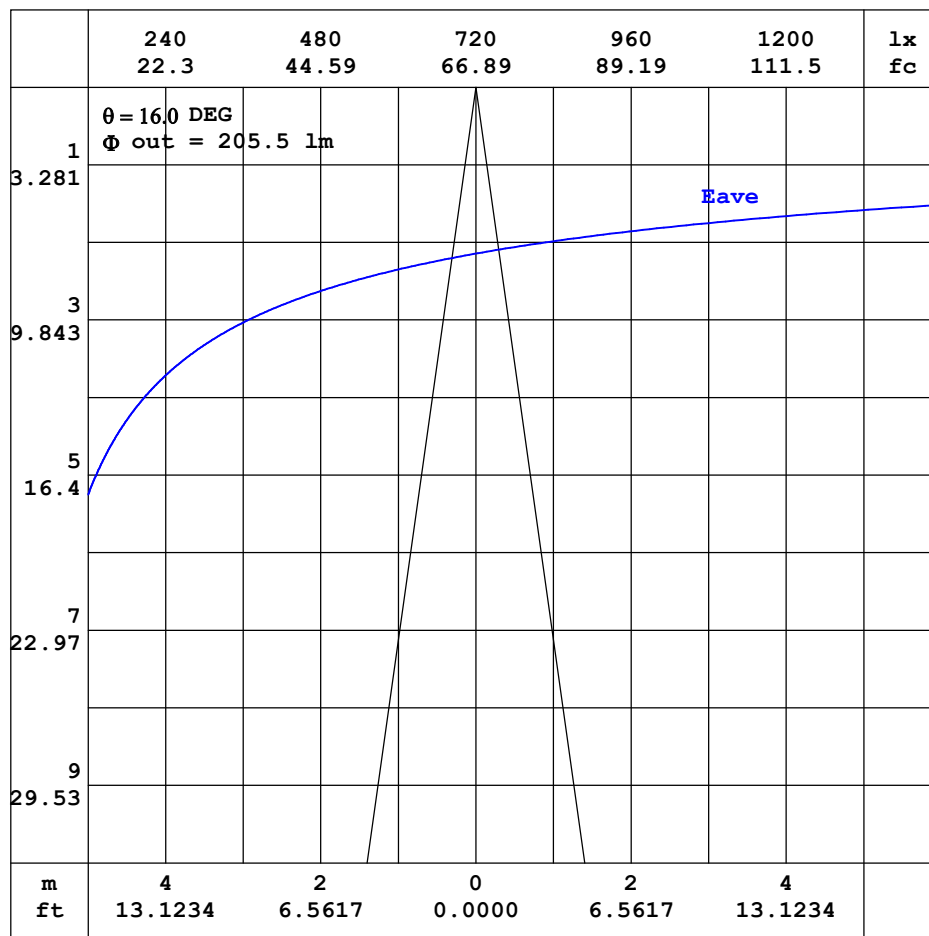


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



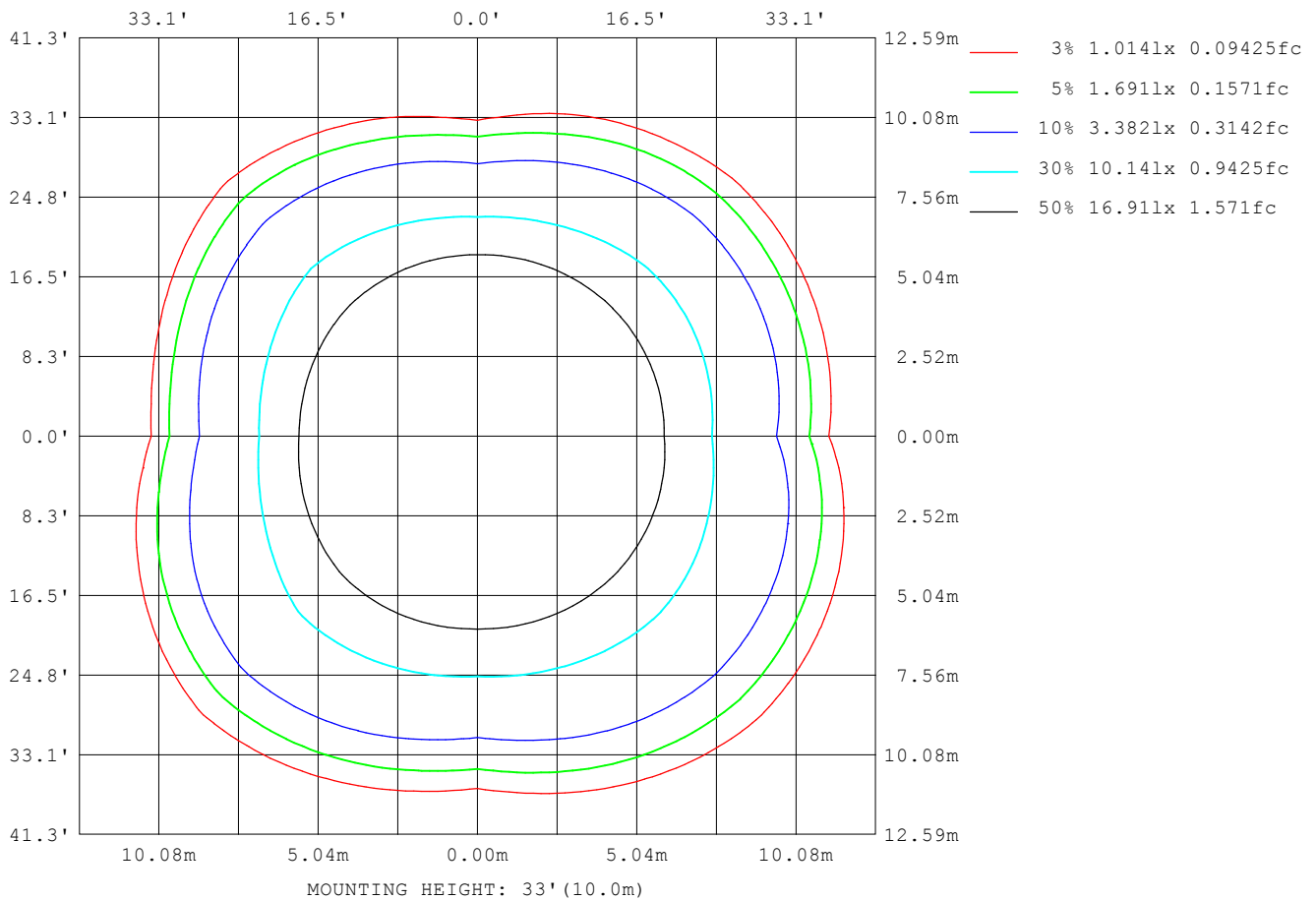
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

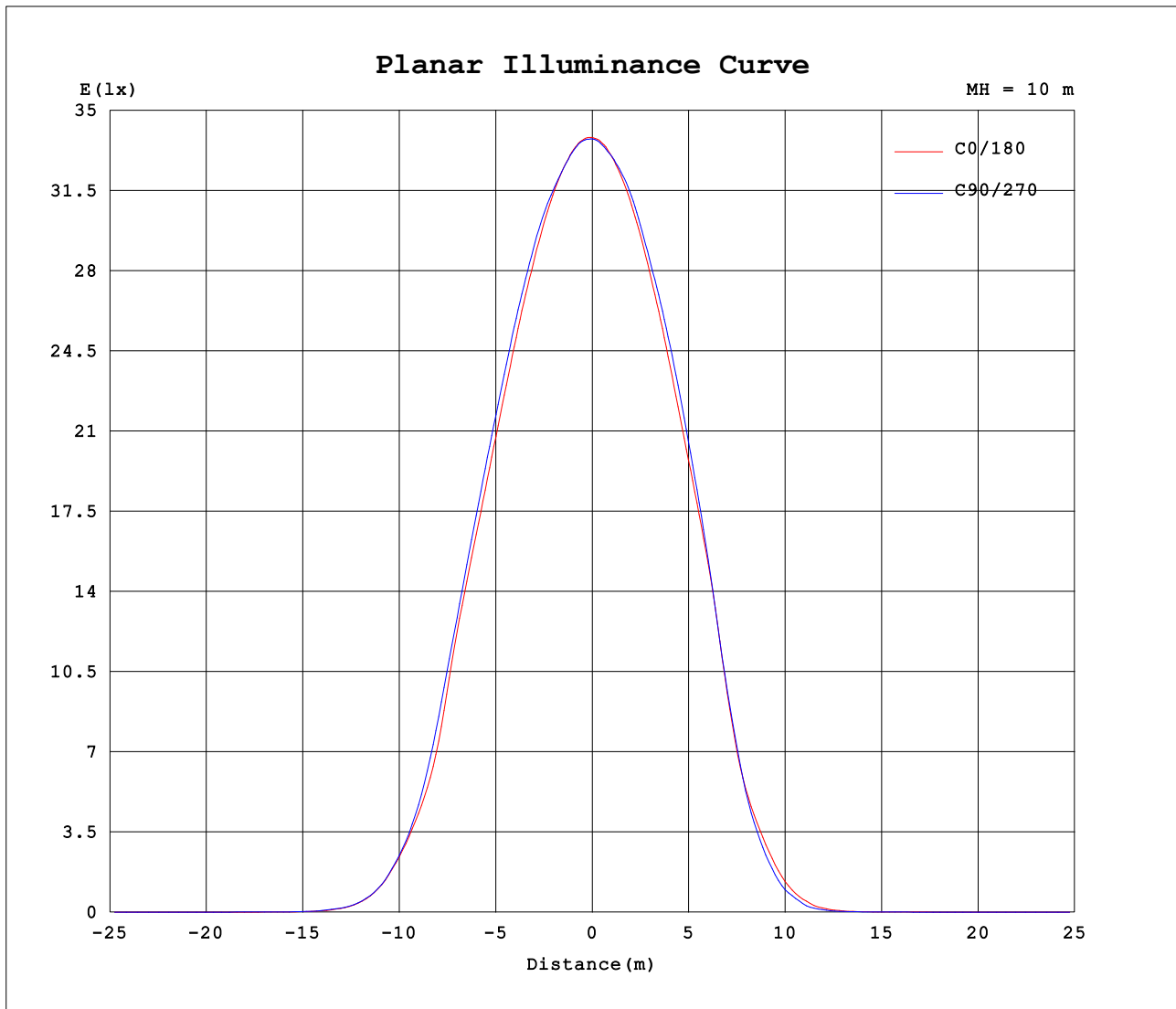
AvgL	cd/m2
L_0~180 (65) av	364
L_0~180 (75) av	343
L_0~180 (85) av	575
L_90~270 (65) av	400
L_90~270 (75) av	416
L_90~270 (85) av	709
L_45 (65) av	407
L_45 (75) av	403
L_45 (85) av	844

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm																	
NAME: 4FT									TYPE:3000K 3.7						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	3382	3381	3380	3380	3379	3379	3378	3378	3377	3377	3377	3376	3376	3376	3376	3375	3375	3375	3375
5	3378	3378	3379	3379	3379	3379	3380	3380	3379	3379	3379	3379	3378	3377	3377	3376	3376	3375	3374
10	3343	3344	3344	3345	3345	3346	3346	3347	3347	3348	3348	3349	3349	3350	3350	3350	3350	3350	3349
15	3276	3278	3279	3282	3284	3286	3289	3292	3295	3298	3303	3309	3314	3319	3324	3328	3331	3334	3335
20	3164	3172	3180	3187	3194	3201	3207	3213	3218	3224	3229	3234	3239	3243	3247	3249	3251	3253	3253
25	2974	2990	3004	3018	3030	3042	3052	3061	3070	3077	3083	3088	3092	3095	3097	3098	3099	3098	3097
30	2690	2716	2741	2762	2782	2800	2815	2828	2839	2847	2850	2852	2851	2849	2846	2842	2837	2832	2827
35	2231	2281	2326	2366	2401	2431	2455	2474	2488	2497	2488	2475	2458	2439	2418	2397	2377	2358	2341
40	1309	1447	1571	1679	1773	1851	1914	1963	1996	2014	1977	1928	1871	1807	1740	1673	1608	1550	1501
45	686	826	950	1058	1149	1224	1282	1324	1349	1358	1304	1238	1161	1079	995	911	832	761	701
50	185	267	339	401	454	497	531	555	570	575	543	505	460	412	363	314	268	226	191
55	27.1	64.2	96.9	125	149	169	185	196	202	205	191	173	153	131	109	87.2	66.4	47.8	32.3
60	10.2	19.8	28.3	35.7	42.0	47.2	51.2	54.2	56.0	56.7	53.2	48.8	43.7	38.2	32.6	26.9	21.6	16.7	12.6
65	7.49	8.03	8.52	8.97	9.37	9.72	10.0	10.3	10.5	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.2	10.1	10.00
70	5.80	5.98	6.15	6.32	6.49	6.65	6.80	6.95	7.09	7.22	7.37	7.50	7.63	7.75	7.86	7.96	8.05	8.12	8.17
75	4.35	4.55	4.74	4.92	5.09	5.25	5.40	5.55	5.68	5.80	5.92	6.03	6.12	6.21	6.29	6.36	6.41	6.46	6.49
80	3.20	3.43	3.64	3.84	4.02	4.19	4.34	4.48	4.60	4.70	4.77	4.82	4.86	4.89	4.91	4.92	4.93	4.94	4.95
85	2.33	2.59	2.82	3.04	3.23	3.40	3.55	3.67	3.78	3.86	3.87	3.86	3.84	3.81	3.77	3.72	3.68	3.65	3.63
90	10.3	9.25	8.23	7.30	6.44	5.66	4.95	4.33	3.78	3.30	2.98	2.73	2.59	2.59	2.57	2.55	2.53	2.50	2.53
95	75.4	79.3	82.3	84.4	85.6	85.9	85.3	83.8	81.4	78.1	71.0	63.1	54.8	46.3	37.8	29.4	21.5	14.3	7.90
100	215	220	224	226	226	224	220	215	208	199	181	162	142	122	103	84.2	67.0	51.8	39.0
105	345	343	339	334	328	320	310	299	287	273	248	223	198	173	149	127	107	91.0	78.4
110	421	420	417	412	405	397	386	374	360	344	316	287	257	228	200	175	152	133	118
115	506	502	497	491	482	471	458	444	428	409	378	345	312	279	249	221	196	175	160
120	585	577	569	558	546	532	517	499	481	460	426	391	357	323	291	262	237	217	202
125	657	644	631	616	600	582	564	544	523	501	466	430	395	361	330	302	277	258	244
130	713	695	677	658	639	618	597	575	553	529	495	460	426	394	364	338	316	298	286
135	748	727	705	683	661	639	616	593	570	547	514	482	451	422	395	372	352	337	327
140	759	736	713	690	667	645	622	600	578	556	527	499	472	446	423	403	387	375	367
145	745	723	701	680	659	638	618	598	579	560	535	511	488	468	449	433	420	410	404
150	713	694	676	658	640	623	606	590	574	559	539	520	503	487	472	460	450	442	438
155	672	658	644	630	617	604	591	579	568	556	542	528	515	504	493	484	477	472	469
160	629	620	611	602	593	584	576	568	560	553	543	534	526	518	511	506	501	498	496
165	595	589	584	578	573	568	563	559	554	550	545	540	535	530	527	523	521	519	518
170	568	566	563	561	559	557	554	552	550	548	546	544	541	539	538	536	535	534	534
175	554	553	552	551	551	550	550	549	548	548	547	547	546	545	545	545	544	544	544
180	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	3375	3375	3375	3376	3376	3376	3376	3377	3377	3378	3378	3379	3379	3380	3380	3381	3381	3382	3381
5	3374	3374	3373	3373	3373	3372	3372	3371	3370	3369	3367	3366	3364	3363	3361	3360	3358	3357	3356
10	3348	3347	3345	3344	3342	3339	3337	3335	3332	3329	3326	3322	3319	3316	3313	3310	3307	3304	3302
15	3332	3327	3321	3315	3308	3300	3292	3283	3275	3267	3259	3251	3244	3237	3231	3225	3220	3215	3215
20	3252	3250	3247	3242	3237	3231	3224	3216	3206	3191	3175	3158	3142	3125	3110	3095	3082	3071	3069
25	3098	3097	3096	3093	3089	3083	3076	3067	3056	3032	3007	2981	2955	2929	2904	2881	2860	2841	2840
30	2832	2836	2840	2842	2843	2842	2839	2832	2823	2790	2755	2719	2681	2644	2607	2573	2542	2514	2514
35	2361	2382	2404	2424	2442	2455	2463	2464	2456	2382	2300	2213	2124	2036	1951	1872	1802	1743	1770
40	1547	1602	1662	1724	1785	1841	1889	1926	1948	1853	1744	1626	1502	1376	1254	1139	1035	946	984
45	752	814	884	958	1032	1103	1168	1222	1261	1186	1097	998	891	781	672	566	468	381	393
50	218	251	289	329	371	410	447	479	503	467	424	375	323	269	215	163	115	73.0	81.0
55	44.9	60.7	78.6	97.9	118	137	155	171	184	171	154	136	115	93.9	72.3	51.4	31.7	14.1	15.7
60	15.2	18.7	22.6	26.9	31.4	35.8	40.0	43.7	46.7	44.1	40.9	37.0	32.8	28.3	23.6	19.0	14.6	10.5	9.68
65	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.0	9.83	9.62	9.39	9.14	8.89	8.63	8.38	8.13	7.90	7.75
70	8.20	8.21	8.20	8.18	8.14	8.08	8.01	7.92	7.81	7.63	7.43	7.23	7.01	6.80	6.59	6.39	6.19	6.01	5.92
75	6.53	6.55	6.57	6.56	6.55	6.52	6.47	6.40	6.31	6.14	5.94	5.74	5.53	5.32	5.11	4.91	4.72	4.54	4.48
80	5.02	5.08	5.15	5.20	5.24	5.27	5.28	5.27	5.24	5.07	4.87	4.66	4.44	4.21	3.99	3.78	3.58	3.39	3.36
85	3.74	3.85	3.97	4.09	4.20	4.30	4.39	4.44	4.48	4.32	4.13	3.93	3.71	3.49	3.27	3.06	2.86	2.68	2.68
90	2.67	2.83	3.00	3.18	3.35	3.52	3.67	3.80	3.90	3.76	3.59	3.40	3.20	2.99	2.78	2.57	2.39	2.22	2.31
95	7.88	8.79	10.4	12.7	15.3	18.2	21.1	23.8	26.3	24.2	21.7	19.1	16.4	13.7	11.3	9.24	7.68	6.75	11.0
100	43.7	50.8	60.0	70.5	82.0	93.8	106	116	126	121	115	108	101	93.0	85.6	78.9	73.2	69.1	79.3
105	89.7	105	123	143	164	186	207	228	247	247	244	240	235	229	222	215	209	203	211
110	131	148	169	192	218	245	272	298	323	333	341	347	351	354	355	355	355	353	356
115	175	195	219	246	276	306	338	368	398	410	420	428	434	438	440	441	441	439	441
120	219	242	269	299	332	366	401	435	468	482	495	504	512	517	521	523	523	521	521
125	262	286	314	346	380	416	452	488	522	540	555	568	579	587	593	597	598	598	596
130	304	328	356	387	421	457	493	529	564	584	602	617	630	641	649	655	658	658	655
135	344	366	392	422	454	488	522	557	590	612	632	649	665	678	689	697	702	704	699
140	382	401	424	451	479	509	540	571	602	624	645	665	682	697	710	720	727	730	724
145	417	433	452	474	498	524	550	577	603	625	645	664	682	697	710	720	728	732	725
150	448	461	477	494	513	534	555	577	598	616	634	651	666	679	691	700	707	711	705
155	477	486	497	510	525	540	555	571	587	601	615	628	640	651	660	667	673	676	671
160	501	507	515	523	533	543	553	564	575	585	594	603	611	618	624	630	633	636	632
165	521	524	529	534	539	545	551	557	563	569	574	579	583	587	591	594	596	597	595
170	535	537	539	541	544	547	550	552	555	557	560	562	563	565	566	568	568	569	568
175	545	545	546	546	547	548	549	550	550	551	551	552	552	552	552	553	553	553	553
180	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm																		
NAME: 4FT									TYPE:3000K 3.7					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	3381	3380	3380	3379	3379	3378	3378	3377	3377	3376	3376	3376	3376	3375	3375	3375	3375	3375	3375
5	3355	3354	3353	3352	3352	3351	3351	3350	3350	3351	3351	3351	3351	3352	3352	3352	3353	3352	3352
10	3301	3299	3298	3298	3297	3298	3298	3299	3303	3307	3311	3316	3320	3324	3328	3332	3335	3334	3332
15	3215	3215	3217	3219	3221	3224	3228	3232	3236	3240	3244	3249	3253	3257	3261	3264	3267	3266	3265
20	3069	3071	3074	3079	3085	3091	3098	3106	3113	3121	3128	3135	3142	3148	3154	3159	3163	3161	3159
25	2841	2845	2851	2859	2868	2879	2890	2902	2910	2919	2926	2934	2941	2948	2955	2960	2965	2966	2966
30	2519	2526	2537	2550	2564	2578	2592	2606	2603	2600	2595	2590	2585	2580	2576	2572	2570	2579	2589
35	1809	1856	1910	1966	2023	2078	2128	2171	2136	2093	2044	1993	1940	1889	1841	1800	1767	1800	1842
40	1038	1103	1177	1254	1332	1406	1473	1528	1468	1397	1317	1233	1149	1067	991	926	874	931	1002
45	417	450	490	535	580	625	666	700	659	610	558	503	448	396	349	309	278	322	374
50	95.3	114	137	161	186	211	233	252	233	210	185	158	131	105	80.8	60.0	43.6	62.4	85.6
55	19.7	25.5	32.7	40.8	49.3	57.8	65.8	72.7	67.2	60.4	52.9	45.0	37.0	29.3	22.1	16.0	11.1	17.4	25.1
60	9.32	9.31	9.59	10.1	10.8	11.5	12.4	13.1	12.6	12.0	11.4	10.8	10.2	9.62	9.14	8.76	8.52	9.30	10.2
65	7.61	7.49	7.39	7.30	7.21	7.14	7.09	7.04	7.00	6.97	6.95	6.94	6.93	6.92	6.91	6.91	6.91	6.87	6.83
70	5.85	5.79	5.74	5.71	5.68	5.67	5.66	5.65	5.63	5.62	5.61	5.60	5.59	5.58	5.57	5.56	5.55	5.52	5.49
75	4.44	4.42	4.41	4.41	4.42	4.43	4.45	4.47	4.45	4.43	4.40	4.38	4.36	4.34	4.32	4.30	4.28	4.27	4.27
80	3.35	3.36	3.38	3.42	3.46	3.50	3.55	3.59	3.55	3.51	3.47	3.42	3.37	3.33	3.29	3.25	3.22	3.25	3.28
85	2.70	2.74	2.80	2.87	2.94	3.01	3.08	3.14	3.08	3.02	2.94	2.87	2.79	2.72	2.65	2.60	2.55	2.62	2.69
90	2.42	2.54	2.67	2.80	2.91	3.00	3.06	3.09	2.61	2.10	1.60	1.14	0.80	0.55	0.33	0.15	0.14	1.26	2.53
95	15.8	21.0	26.4	31.8	37.0	41.9	46.1	49.6	45.7	41.2	36.2	31.2	26.3	21.9	18.2	15.5	14.1	22.6	32.4
100	90.9	103	116	129	141	152	161	168	156	142	126	110	94.0	78.8	65.1	53.6	45.1	58.3	74.5
105	219	228	236	244	251	256	259	260	241	219	197	174	151	130	110	94.2	81.8	94.6	111
110	357	358	357	355	352	347	339	330	305	278	251	224	198	174	153	136	123	137	156
115	442	441	438	435	429	421	411	399	370	340	309	278	249	221	197	178	163	178	199
120	520	516	511	505	496	485	472	457	425	392	359	326	294	265	240	219	203	219	240
125	592	586	578	568	556	541	525	506	473	438	403	369	337	307	281	259	243	259	280
130	649	641	630	617	602	585	566	544	510	475	440	406	374	345	319	298	283	298	319
135	691	680	666	651	633	613	592	569	536	503	470	438	408	381	357	338	324	338	356
140	714	701	686	668	648	627	605	581	551	521	492	464	438	414	394	378	366	377	392
145	715	701	686	668	649	628	606	584	558	533	509	485	464	444	427	414	404	413	425
150	695	683	669	654	637	619	600	581	560	540	521	503	486	471	458	448	441	447	455
155	663	654	643	631	617	603	589	574	559	545	531	517	505	494	485	478	473	477	483
160	627	620	613	605	595	586	576	566	556	547	537	529	521	514	508	503	500	502	506
165	592	589	585	580	575	570	565	559	554	548	543	538	534	530	527	524	522	523	525
170	567	566	564	562	561	558	556	554	552	550	547	545	543	542	540	539	538	538	539
175	553	552	552	552	552	551	551	551	550	550	549	549	548	548	548	547	547	547	547
180	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543

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:120.5V I:0.5220A P:62.80W PF:0.9900 Freq:60.00Hz Lamp Flux:6995.96x1 lm																	
NAME: 4FT									TYPE:3000K 3.7						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	3375	3376	3376	3376	3376	3377	3377	3377	3378	3378	3379	3379	3380	3380	3381				
5	3352	3352	3352	3352	3352	3353	3354	3355	3357	3359	3362	3364	3367	3371	3374				
10	3330	3327	3325	3322	3320	3318	3316	3317	3318	3320	3323	3326	3329	3333	3338				
15	3264	3263	3261	3259	3258	3256	3255	3256	3257	3259	3260	3263	3265	3269	3272				
20	3156	3152	3148	3145	3141	3137	3134	3135	3136	3138	3140	3144	3148	3152	3158				
25	2965	2964	2963	2962	2960	2958	2957	2958	2959	2960	2961	2963	2966	2968	2971				
30	2601	2613	2625	2638	2651	2663	2674	2680	2685	2689	2692	2694	2695	2694	2693				
35	1891	1946	2004	2063	2123	2180	2233	2256	2273	2284	2290	2290	2283	2272	2254				
40	1084	1173	1266	1359	1449	1534	1609	1626	1631	1624	1603	1570	1524	1465	1393				
45	435	500	569	638	705	768	825	844	854	855	848	833	809	776	735				
50	112	141	171	201	231	258	282	288	290	287	281	270	255	236	213				
55	33.7	42.8	52.2	61.4	70.1	77.9	84.4	84.5	83.0	79.8	75.1	68.7	60.7	51.1	39.9				
60	11.2	12.2	13.3	14.3	15.2	16.1	16.7	16.7	16.6	16.2	15.6	14.9	14.0	12.9	11.6				
65	6.79	6.75	6.72	6.70	6.68	6.68	6.68	6.72	6.77	6.84	6.91	7.00	7.11	7.22	7.35				
70	5.46	5.44	5.41	5.39	5.38	5.37	5.36	5.38	5.41	5.44	5.48	5.53	5.58	5.65	5.72				
75	4.27	4.27	4.27	4.27	4.27	4.28	4.28	4.29	4.29	4.30	4.30	4.31	4.32	4.33	4.34				
80	3.32	3.36	3.40	3.44	3.48	3.52	3.54	3.54	3.53	3.50	3.47	3.44	3.39	3.33	3.27				
85	2.78	2.87	2.96	3.04	3.12	3.18	3.23	3.21	3.17	3.11	3.03	2.93	2.81	2.67	2.51				
90	3.90	5.33	6.79	8.25	9.64	11.0	12.1	12.6	12.9	13.1	13.0	12.8	12.5	11.9	11.2				
95	43.0	54.2	65.6	76.9	87.6	97.6	106	109	110	110	108	104	99.4	92.9	84.9				
100	93.1	113	135	157	178	199	218	226	233	236	238	235	231	224					
105	131	154	178	203	229	255	280	294	306	316	325	332	338	342	344				
110	178	203	231	260	289	318	346	362	376	388	398	406	413	417	420				
115	223	251	282	314	347	379	411	429	445	460	472	482	491	498	503				
120	265	294	327	360	395	430	464	485	503	520	535	549	560	570	578				
125	306	336	369	403	439	476	511	533	554	573	591	607	622	635	647				
130	345	374	407	442	478	514	551	574	596	616	636	654	670	686	700				
135	380	407	436	469	502	537	571	594	616	638	658	678	697	715	732				
140	412	434	460	488	517	547	578	599	620	641	662	682	702	721	740				
145	440	459	479	502	526	551	576	595	614	633	652	671	689	708	727				
150	467	481	497	514	532	552	571	587	602	617	633	649	665	681	697				
155	491	501	512	524	537	551	565	576	588	599	611	623	635	647	659				
160	511	517	525	532	541	550	559	566	574	581	589	597	605	613	621				
165	528	531	535	539	544	549	554	558	562	566	571	575	580	585	590				
170	540	541	543	545	547	549	551	552	554	556	558	560	562	564	566				
175	547	547	548	548	548	549	549	549	550	550	551	551	552	552	553				
180	543	543	543	543	543	543	543	543	543	543	543	543	543	543	543				

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: