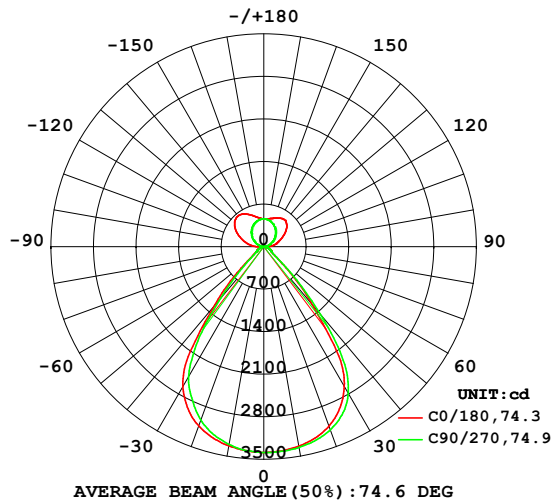


LUMINAIRE PHOTOMETRIC TEST REPORT

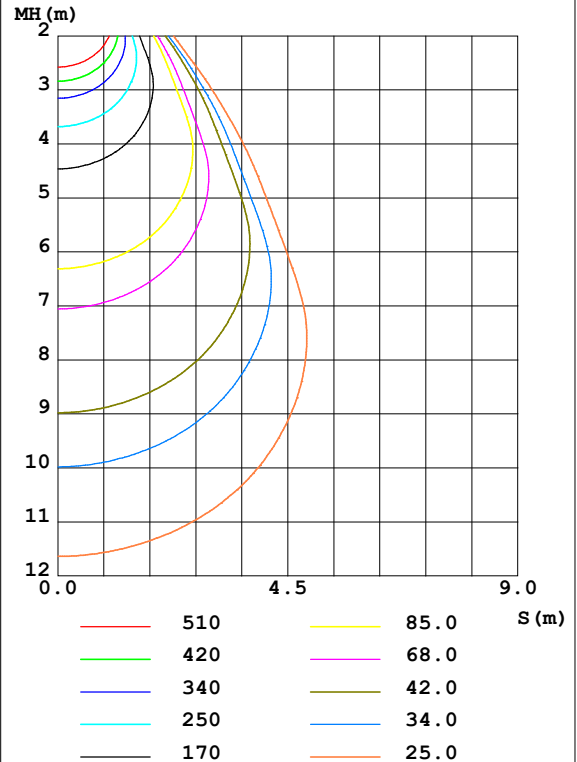
Test:U:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.13 lm/W			
MODEL		I _{max} (cd)	3388	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)	7041.2	η UP,DN(C0-180)	14.2,37.4
NOMINAL FLUX(lm)	7041.23	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	14.7,33.8
LAMPS INSIDE	1	η up(%)	28.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	71.1	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:

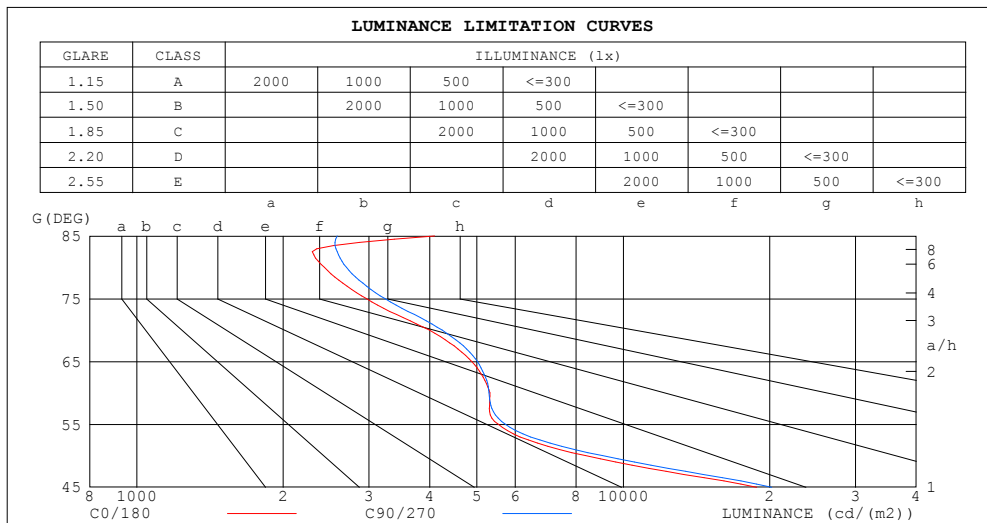
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3331	3341	3353	3351	3327	3317	3303	3307	0- 10	320.5	320.5	4.55,4.55
20	3141	3174	3207	3200	3137	3084	3035	3052	10- 20	916.4	1237	17.6,17.6
30	2652	2769	2784	2837	2665	2589	2478	2501	20- 30	1346	2583	36.7,36.7
40	1244	1920	1445	2046	1254	1681	1100	1543	30- 40	1344	3928	55.8,55.8
50	269.2	569.5	291.4	675.3	279.8	468.3	224.4	398.0	40- 50	700.9	4629	65.7,65.7
60	132.9	159.5	132.5	180.6	132.6	144.5	125.9	129.0	50- 60	208.7	4837	68.7,68.7
70	68.30	70.22	72.56	79.36	68.96	68.27	61.89	59.08	60- 70	101.7	4939	70.1,70.1
80	21.10	23.01	23.42	27.97	22.21	29.47	19.11	19.26	70- 80	44.29	4983	70.8,70.8
90	54.29	28.18	3.216	72.58	92.02	105.3	3.045	55.95	80- 90	25.39	5009	71.1,71.1
100	176.6	128.3	36.45	210.8	261.2	225.9	44.71	144.8	90-100	114.9	5124	72.8,72.8
110	268.1	228.9	101.1	331.9	396.7	344.5	111.5	251.4	100-110	214.3	5338	75.8,75.8
120	383.6	329.4	171.3	440.4	529.4	441.9	182.4	357.8	110-120	303.3	5641	80.1,80.1
130	496.7	397.4	241.1	511.5	628.2	494.5	254.2	425.6	120-130	353.9	5995	85.1,85.1
140	558.7	434.9	308.5	533.3	661.6	506.6	320.0	455.3	130-140	350.7	6346	90.1,90.1
150	543.4	450.5	368.7	520.0	623.2	496.3	378.2	461.8	140-150	299.2	6645	94.4,94.4
160	499.6	455.6	416.6	493.6	547.7	478.3	423.1	460.6	150-160	220.1	6865	97.5,97.5
170	468.0	456.6	447.4	469.9	483.6	464.2	450.2	457.0	160-170	132.3	6997	99.4,99.4
180	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	170-180	43.93	7041	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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 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	4095	2583
80	2430	2698
75	2967	3241
70	3994	4243
65	4883	5017
60	5317	5300
55	5531	5721
50	8375	9067
45	18790	20188

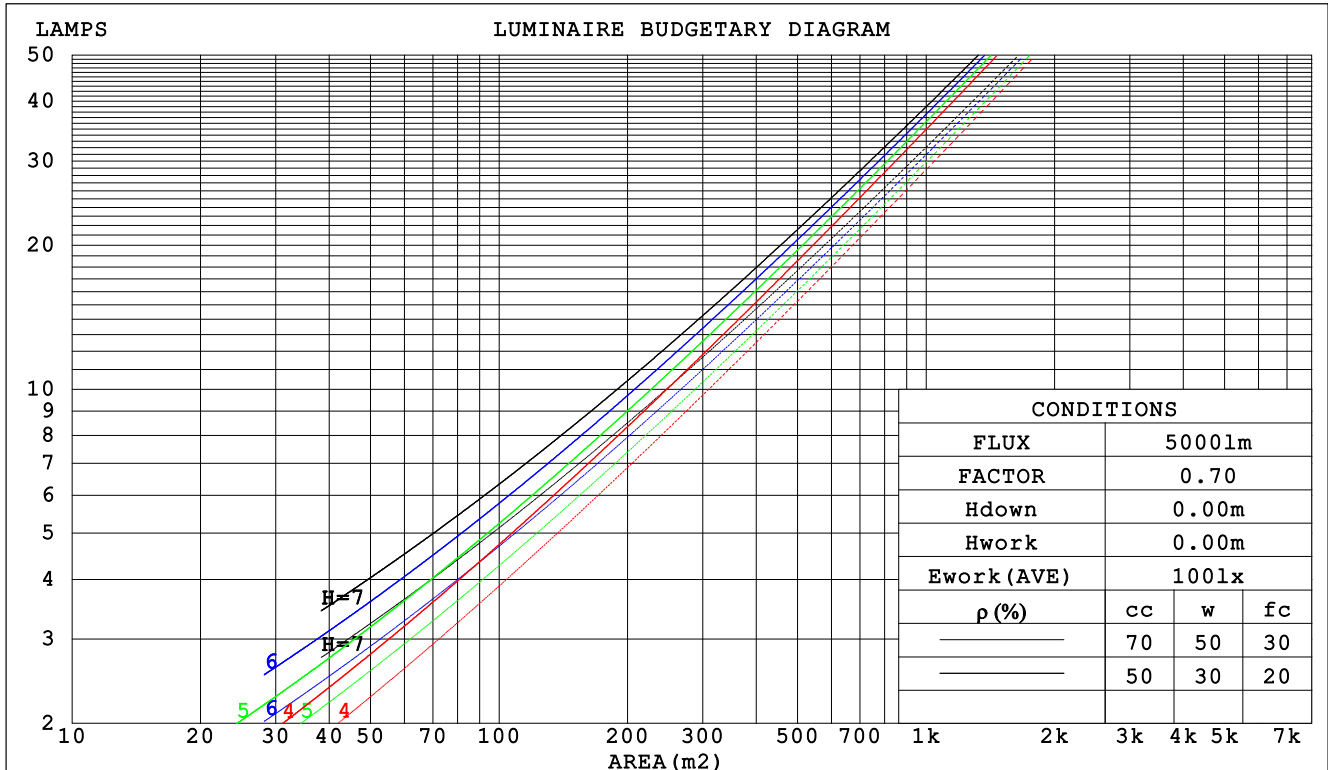
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.76	.76	.76	.71
1.0	1.01	.98	.95	.96	.94	.91	.87	.85	.83	.78	.77	.76	.70	.69	.68	.65
2.0	.92	.87	.82	.87	.83	.79	.79	.76	.73	.72	.70	.67	.65	.63	.62	.59
3.0	.83	.77	.72	.80	.74	.70	.73	.68	.65	.66	.63	.60	.60	.58	.56	.53
4.0	.76	.69	.64	.73	.67	.62	.67	.62	.58	.61	.57	.54	.56	.53	.51	.48
5.0	.69	.62	.57	.66	.60	.55	.61	.56	.52	.56	.52	.49	.52	.49	.46	.44
6.0	.63	.56	.51	.61	.55	.50	.56	.51	.47	.52	.48	.45	.48	.45	.42	.40
7.0	.58	.51	.46	.56	.50	.45	.52	.47	.43	.48	.44	.41	.45	.41	.39	.37
8.0	.54	.47	.42	.52	.46	.41	.48	.43	.39	.45	.41	.37	.42	.38	.36	.34
9.0	.50	.43	.38	.48	.42	.38	.45	.40	.36	.42	.38	.34	.39	.36	.33	.31
10.0	.46	.40	.35	.45	.39	.35	.42	.37	.33	.39	.35	.32	.37	.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:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm					
NAME: 4FT			TYPE:3500K 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	.225	.128	.041	.209	.119	.038	.180	.103	.033	.153	.088	.028	.129	.075	.024		
2.0	.213	.117	.036	.199	.110	.034	.173	.096	.030	.149	.083	.026	.126	.072	.023		
3.0	.201	.107	.032	.188	.101	.030	.165	.089	.027	.143	.078	.024	.122	.068	.021		
4.0	.189	.098	.029	.178	.093	.028	.156	.083	.025	.136	.073	.022	.118	.064	.019		
5.0	.178	.091	.026	.168	.086	.025	.148	.077	.023	.130	.069	.020	.113	.060	.018		
6.0	.169	.085	.024	.159	.080	.023	.141	.072	.021	.124	.065	.019	.108	.057	.017		
7.0	.160	.079	.022	.151	.075	.021	.134	.068	.020	.119	.061	.018	.104	.054	.016		
8.0	.151	.074	.021	.143	.070	.020	.128	.064	.018	.113	.057	.017	.100	.051	.015		
9.0	.144	.069	.019	.136	.066	.019	.122	.060	.017	.108	.054	.016	.096	.049	.014		
10.0	.137	.065	.018	.130	.063	.017	.116	.057	.016	.104	.051	.015	.092	.046	.013		

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	.410	.410	.410	.351	.351	.351	.239	.239	.239	.138	.138	.138	.044	.044	.044	
1.0	.396	.379	.363	.339	.325	.312	.232	.224	.216	.133	.129	.126	.043	.042	.041	
2.0	.385	.356	.331	.330	.306	.286	.226	.212	.199	.130	.123	.117	.042	.040	.038	
3.0	.376	.338	.309	.322	.292	.267	.221	.203	.188	.128	.118	.111	.041	.038	.036	
4.0	.367	.325	.293	.315	.281	.254	.217	.196	.179	.125	.115	.106	.040	.037	.035	
5.0	.360	.315	.281	.309	.272	.245	.213	.190	.173	.123	.112	.102	.040	.036	.034	
6.0	.354	.307	.273	.304	.265	.237	.210	.186	.168	.122	.109	.100	.039	.036	.033	
7.0	.348	.300	.266	.299	.260	.232	.207	.182	.164	.120	.107	.098	.039	.035	.032	
8.0	.343	.294	.261	.295	.255	.228	.204	.179	.161	.119	.106	.096	.038	.035	.032	
9.0	.338	.290	.257	.291	.251	.224	.202	.177	.159	.117	.104	.095	.038	.034	.031	
10.0	.333	.286	.254	.287	.248	.222	.199	.174	.157	.116	.103	.094	.038	.034	.031	

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm										
NAME: 4FT					TYPE:3500K 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	20.0	19.6	20.6	21.2	18.9	19.8	19.5	20.4	21.1
3H	18.9	19.8	19.6	20.4	21.1	18.8	19.6	19.5	20.3	21.0
4H	18.8	19.6	19.5	20.3	21.0	18.7	19.5	19.4	20.2	20.9
6H	18.7	19.5	19.4	20.1	20.9	18.6	19.4	19.3	20.0	20.8
8H	18.7	19.4	19.4	20.1	20.9	18.6	19.3	19.3	20.0	20.8
12H	18.6	19.3	19.3	20.0	20.8	18.5	19.2	19.2	19.9	20.7
4H 2H	18.7	19.5	19.4	20.2	20.9	18.6	19.4	19.3	20.0	20.8
3H	18.7	19.3	19.4	20.0	20.9	18.6	19.2	19.3	19.9	20.7
4H	18.6	19.2	19.4	19.9	20.8	18.5	19.1	19.3	19.8	20.7
6H	18.5	19.0	19.3	19.8	20.7	18.5	19.0	19.2	19.7	20.6
8H	18.5	19.0	19.3	19.7	20.6	18.4	18.9	19.2	19.6	20.6
12H	18.4	18.9	19.2	19.7	20.6	18.4	18.8	19.2	19.6	20.5
8H 4H	18.4	18.9	19.2	19.7	20.6	18.4	18.8	19.1	19.6	20.5
6H	18.4	18.8	19.2	19.6	20.5	18.3	18.7	19.1	19.5	20.4
8H	18.3	18.7	19.2	19.5	20.5	18.3	18.6	19.1	19.4	20.4
12H	18.3	18.6	19.2	19.4	20.5	18.2	18.5	19.1	19.4	20.4
12H 4H	18.4	18.8	19.2	19.6	20.5	18.3	18.7	19.1	19.5	20.4
6H	18.3	18.7	19.1	19.5	20.5	18.2	18.6	19.1	19.4	20.4
8H	18.3	18.6	19.1	19.4	20.4	18.2	18.5	19.1	19.3	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 5.0					+ 2.2 / - 5.0				
1.5H	+ 2.9 / - 5.2					+ 3.1 / - 4.8				
2.0H	+ 4.4 / - 3.1					+ 4.1 / - 2.6				

CIE Pub.117 Corrected 7041 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:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

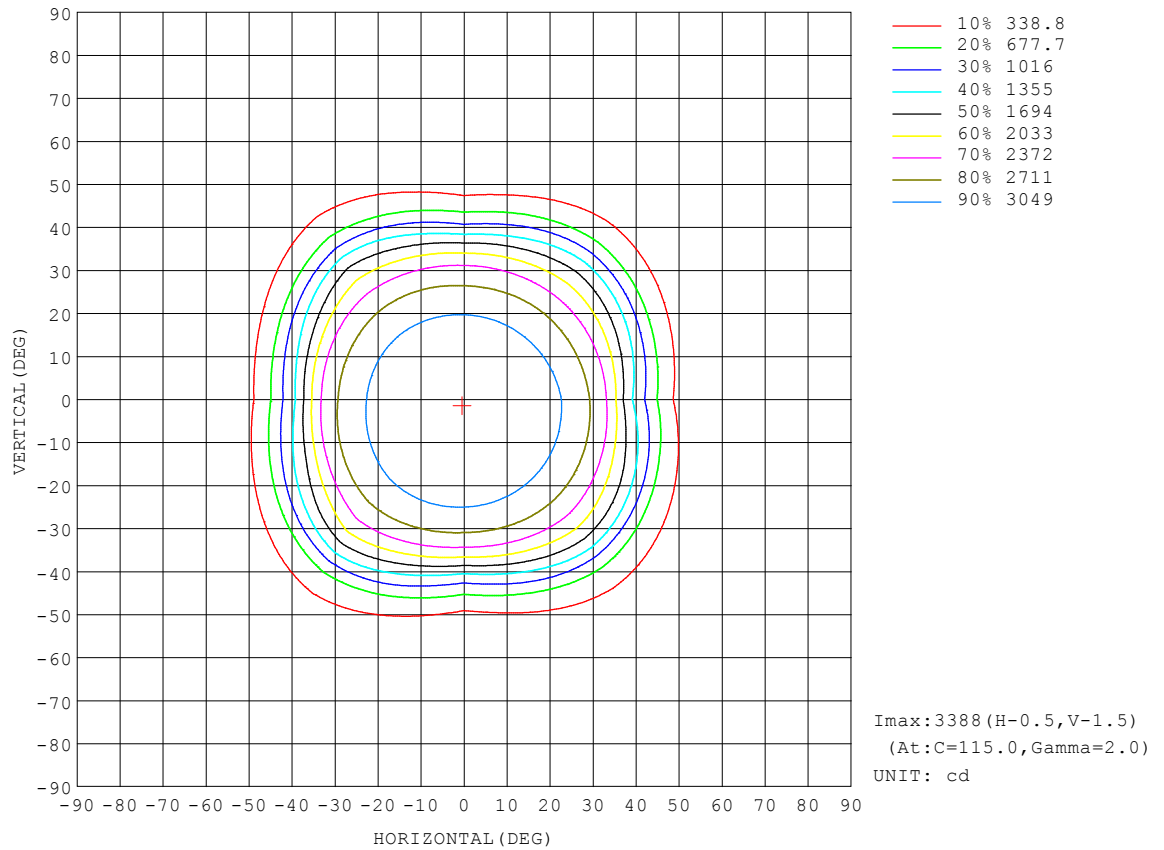
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	55	50	62	54	50	60	53	49	43
0.80	73	64	59	71	63	58	67	60	56	49
1.00	79	71	65	77	69	64	72	67	62	54
1.25	85	77	71	82	75	70	76	71	67	58
1.50	89	81	76	85	79	74	79	74	70	60
2.00	94	87	82	90	84	79	83	78	75	63
2.50	97	90	86	93	87	83	85	81	78	64
3.00	99	94	89	95	90	86	87	83	80	65
4.00	102	98	94	97	93	90	89	86	83	67
5.00	104	100	97	99	96	93	90	88	85	68
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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

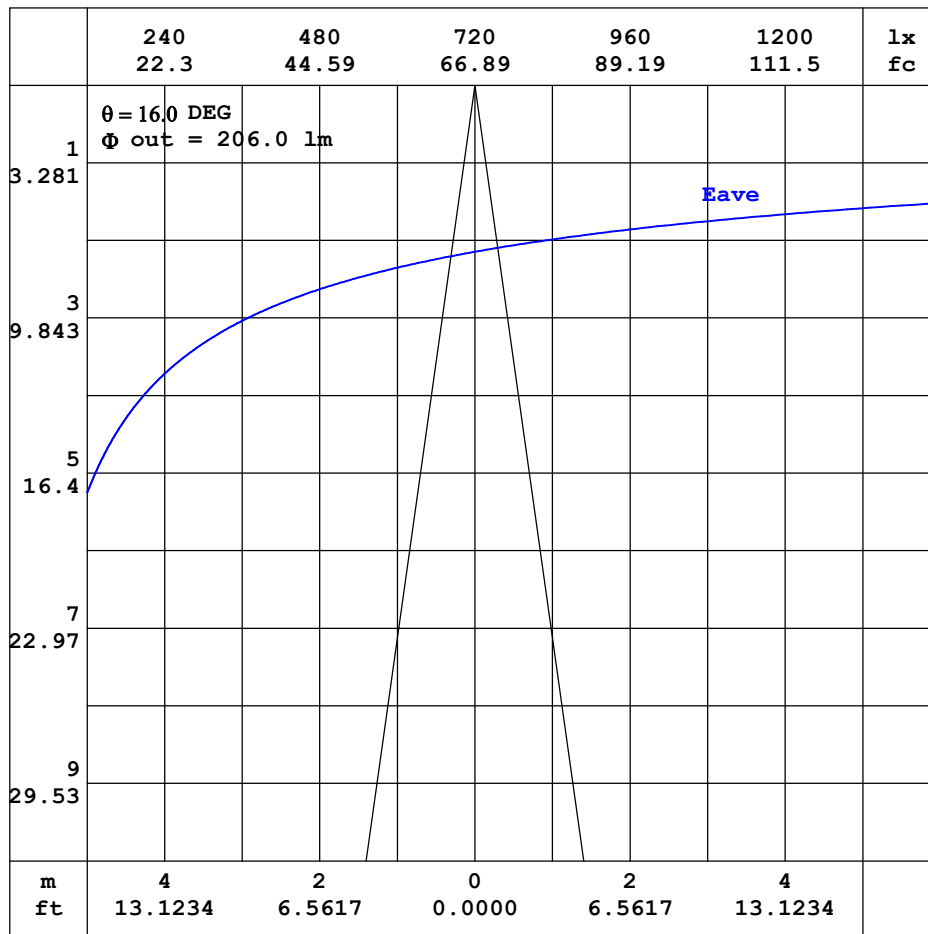


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



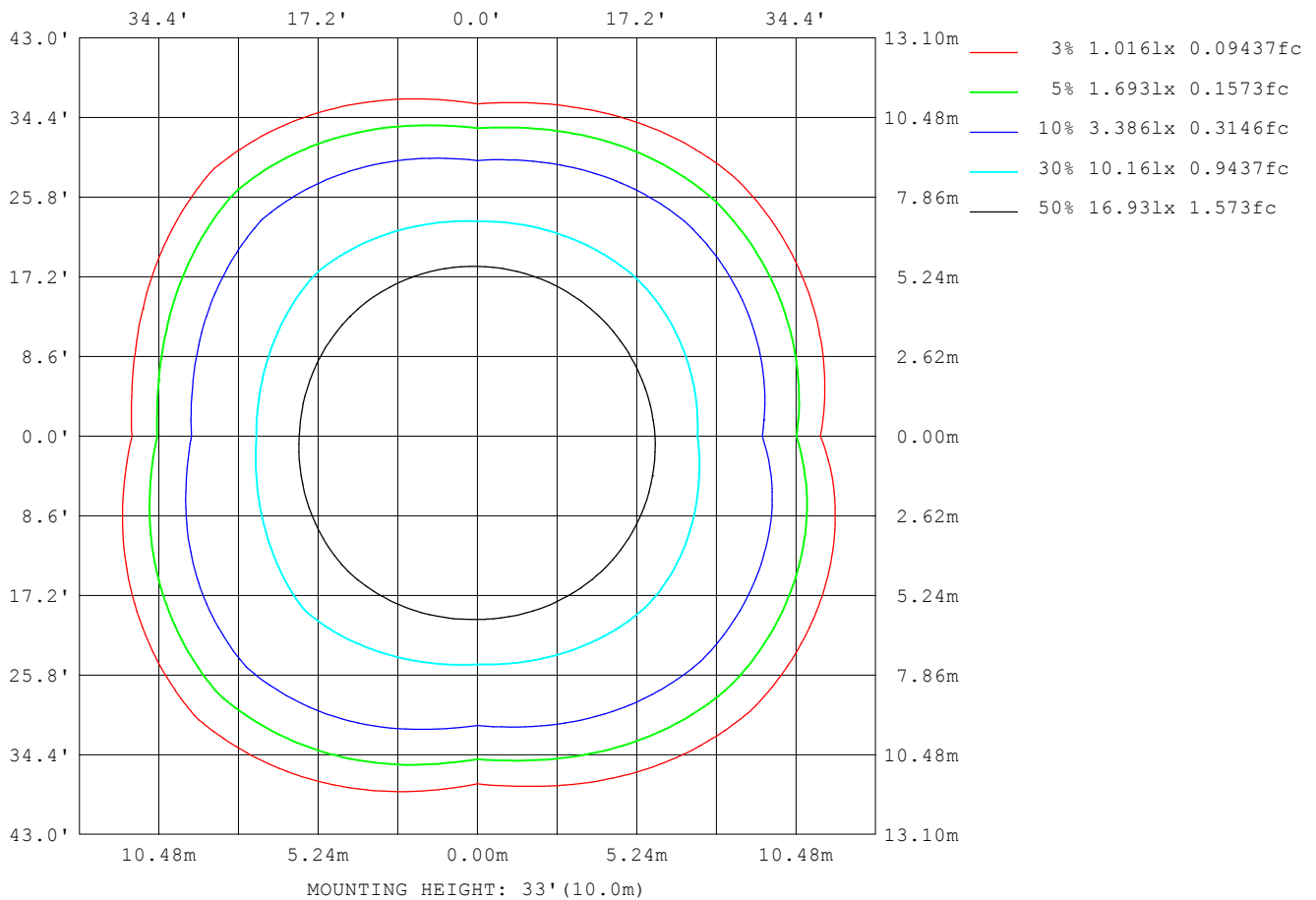
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 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:120.7V I:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

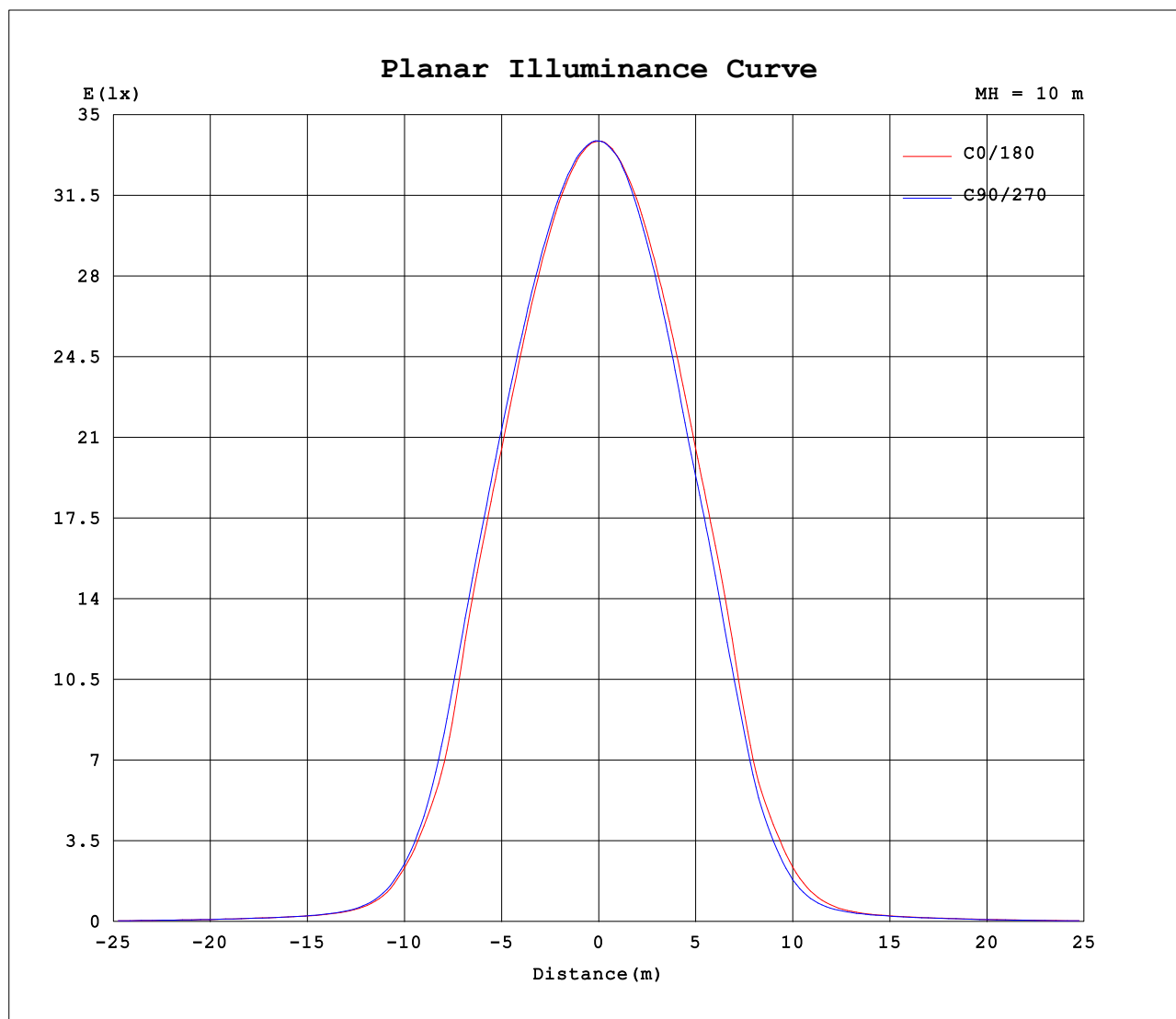
AvgL	cd/m2
L_0~180 (65) av	4895
L_0~180 (75) av	3006
L_0~180 (85) av	4707
L_90~270 (65) av	4790
L_90~270 (75) av	2983
L_90~270 (85) av	2168
L_45 (65) av	4833
L_45 (75) av	3202
L_45 (85) av	3793

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm																	
NAME: 4FT									TYPE:3500K 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	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386
5	3371	3372	3373	3374	3375	3376	3377	3377	3378	3379	3379	3379	3379	3380	3380	3380	3381	3381	3381
10	3331	3332	3333	3334	3335	3336	3337	3338	3340	3341	3342	3344	3345	3347	3348	3350	3351	3352	3353
15	3261	3263	3264	3266	3268	3270	3271	3273	3275	3278	3280	3283	3286	3289	3291	3294	3296	3298	3300
20	3141	3145	3148	3152	3155	3159	3163	3166	3170	3174	3178	3182	3187	3191	3195	3199	3202	3205	3207
25	2946	2955	2963	2970	2978	2985	2992	2998	3004	3010	3016	3022	3027	3032	3037	3041	3045	3049	3051
30	2652	2670	2687	2703	2717	2730	2742	2752	2761	2769	2773	2776	2778	2780	2781	2781	2782	2783	2784
35	2092	2150	2202	2249	2291	2327	2357	2381	2401	2414	2407	2396	2381	2364	2346	2328	2311	2296	2284
40	1244	1376	1494	1597	1686	1761	1822	1869	1901	1920	1883	1835	1779	1718	1655	1593	1535	1485	1445
45	664	779	881	969	1044	1106	1155	1191	1213	1222	1177	1122	1060	993	927	862	803	753	714
50	269	331	386	434	474	507	534	553	565	569	544	514	480	444	407	372	340	312	291
55	159	184	207	227	244	257	268	276	281	283	272	259	244	229	213	198	184	173	164
60	133	139	143	148	151	154	157	158	159	160	157	154	150	146	143	140	137	134	132
65	103	103	103	103	103	103	103	103	103	103	103	103	104	104	104	105	105	105	106
70	68.3	68.5	68.7	68.9	69.1	69.3	69.5	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.5	71.8	72.2	72.6
75	38.4	38.9	39.3	39.8	40.2	40.5	40.8	41.1	41.4	41.6	41.6	41.6	41.5	41.5	41.5	41.5	41.6	41.7	41.9
80	21.1	21.4	21.7	21.9	22.1	22.3	22.5	22.7	22.9	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.2	23.3	23.4
85	17.8	16.9	16.0	15.2	14.5	13.8	13.2	12.7	12.2	11.8	11.5	11.2	11.0	10.9	10.8	10.9	11.0	11.0	11.3
90	54.3	51.3	48.4	45.5	42.5	39.6	36.8	33.9	31.0	28.2	23.6	19.3	15.1	11.4	8.21	5.66	3.89	3.15	3.22
95	125	122	119	115	111	107	102	96.6	91.0	85.0	74.0	62.9	52.1	41.9	32.7	24.7	18.5	14.2	12.2
100	177	173	170	165	161	155	149	143	136	128	115	101	87.3	74.5	62.8	52.8	44.8	39.2	36.4
105	219	218	215	212	208	203	197	191	184	176	160	144	128	113	99.4	87.4	77.8	70.9	67.4
110	268	268	267	265	262	257	252	245	238	229	211	192	174	156	140	126	114	106	101
115	327	327	326	323	320	315	308	301	292	282	262	241	220	200	181	165	151	141	135
120	384	383	381	377	372	366	359	350	341	329	307	285	262	240	220	203	188	177	171
125	445	440	435	428	421	412	403	392	380	368	344	321	297	275	255	237	223	212	206
130	497	488	480	470	460	449	437	424	411	397	374	351	328	306	287	270	256	246	241
135	534	523	511	499	487	474	461	448	434	420	398	375	354	334	316	301	288	280	275
140	559	545	531	518	504	490	476	463	449	435	415	395	376	358	342	329	319	312	309
145	560	547	534	520	507	494	482	469	457	444	427	410	394	380	367	356	348	342	340
150	543	533	522	511	501	490	480	470	460	450	437	424	411	400	389	381	375	370	369
155	522	514	506	498	491	483	476	468	461	454	444	434	425	417	410	403	399	396	395
160	500	494	489	484	479	475	470	465	460	456	449	443	437	431	426	422	419	417	417
165	482	479	476	473	470	467	465	462	459	456	453	449	445	442	439	437	435	434	434
170	468	467	465	464	463	461	460	459	458	457	455	453	452	450	449	448	448	447	447
175	460	459	459	458	458	458	457	457	457	457	456	456	456	455	455	455	455	455	455
180	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm		
NAME: 4FT	TYPE:3500K 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	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3386	3386	3386	3386
5	3381	3381	3382	3382	3382	3382	3382	3381	3381	3380	3379	3377	3376	3375	3373	3372	3371	3370	3369
10	3353	3354	3354	3354	3354	3354	3353	3352	3351	3349	3346	3344	3341	3338	3336	3333	3330	3327	3326
15	3301	3301	3301	3301	3301	3300	3298	3296	3294	3291	3286	3282	3278	3273	3268	3263	3258	3254	3250
20	3209	3210	3210	3210	3209	3208	3206	3204	3200	3195	3189	3182	3175	3168	3160	3152	3145	3137	3131
25	3055	3057	3059	3061	3061	3061	3059	3056	3052	3043	3033	3022	3010	2998	2986	2973	2960	2948	2940
30	2792	2801	2810	2818	2825	2831	2835	2837	2837	2823	2807	2789	2769	2749	2728	2706	2686	2665	2655
35	2310	2338	2368	2399	2428	2456	2479	2498	2510	2477	2437	2393	2345	2296	2247	2199	2153	2113	2113
40	1503	1572	1647	1726	1804	1878	1946	2003	2046	1979	1898	1808	1711	1611	1512	1417	1330	1254	1282
45	779	856	940	1028	1116	1202	1280	1348	1403	1346	1276	1194	1106	1013	920	829	745	670	687
50	328	370	417	466	515	563	607	645	675	645	607	563	515	465	414	365	320	280	290
55	180	198	218	239	260	280	299	316	329	316	300	281	260	239	218	197	178	161	165
60	137	143	149	155	161	167	172	177	181	177	173	168	162	156	150	144	138	133	133
65	107	108	109	110	111	112	112	113	113	113	112	111	110	109	107	106	105	104	103
70	73.5	74.4	75.4	76.3	77.2	77.9	78.6	79.1	79.4	78.6	77.6	76.5	75.3	74.0	72.7	71.4	70.1	69.0	68.7
75	42.8	43.7	44.6	45.6	46.4	47.2	47.9	48.5	48.8	48.1	47.2	46.2	45.0	43.9	42.7	41.5	40.4	39.4	39.4
80	24.0	24.6	25.2	25.8	26.4	26.9	27.3	27.7	28.0	27.4	26.8	26.0	25.3	24.5	23.8	23.2	22.6	22.2	22.9
85	11.7	12.1	12.7	13.2	13.9	14.5	15.2	16.0	16.7	17.5	18.3	19.1	19.8	20.6	21.3	22.0	22.6	23.2	23.8
90	8.90	15.6	23.0	31.0	39.3	47.9	56.4	64.7	72.6	76.4	79.7	82.4	84.8	86.7	88.4	89.8	91.0	92.0	95.8
95	23.4	36.8	51.9	68.5	85.9	104	122	139	156	164	171	177	181	185	188	190	191	191	193
100	49.8	65.9	84.3	104	125	147	169	190	211	222	231	240	246	252	256	259	261	261	263
105	83.0	102	123	146	171	196	222	247	270	283	294	303	311	317	322	325	327	328	329
110	119	140	164	191	219	247	276	305	332	346	359	370	378	385	391	394	396	397	398
115	155	178	205	234	265	297	329	361	391	407	422	434	444	452	458	463	465	466	466
120	191	216	244	274	307	341	375	408	440	459	476	490	502	512	519	525	528	529	528
125	226	251	280	311	344	379	414	448	482	503	521	537	552	563	573	579	584	585	582
130	261	285	313	343	376	410	444	478	512	534	554	572	588	602	612	620	626	628	623
135	293	316	341	370	401	432	465	497	529	552	573	592	609	624	636	645	651	654	647
140	324	344	367	392	419	447	476	505	533	556	577	596	613	628	641	651	658	662	654
145	353	369	388	409	432	456	481	505	530	550	569	587	604	618	630	640	647	651	643
150	379	392	407	424	442	461	481	500	520	537	554	569	583	595	605	614	620	623	616
155	402	412	423	436	449	463	478	492	507	520	533	544	555	565	573	579	584	586	581
160	422	429	436	445	454	464	474	484	494	503	511	519	526	533	538	543	546	548	544
165	437	441	446	451	457	463	469	475	481	486	491	496	500	504	507	509	511	512	509
170	449	451	453	456	459	461	464	467	470	472	475	477	479	480	482	483	483	484	482
175	456	457	458	459	460	460	461	462	463	464	464	465	465	466	466	466	466	466	466
180	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm																		
NAME: 4FT									TYPE:3500K 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	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3385	3385
5	3369	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3368	3367	3367	3366
10	3325	3323	3322	3321	3320	3319	3318	3317	3315	3313	3312	3310	3308	3307	3306	3304	3303	3303	3303
15	3247	3243	3240	3237	3234	3231	3229	3226	3222	3219	3216	3213	3210	3207	3205	3203	3201	3199	3199
20	3125	3118	3113	3107	3101	3095	3090	3084	3077	3071	3064	3058	3053	3047	3043	3039	3035	3034	3033
25	2932	2924	2917	2910	2903	2895	2888	2880	2867	2855	2842	2830	2818	2807	2797	2789	2782	2781	2781
30	2645	2636	2627	2620	2612	2604	2597	2589	2575	2562	2548	2534	2521	2509	2497	2487	2478	2474	2472
35	2118	2126	2137	2149	2162	2173	2182	2187	2158	2125	2090	2053	2017	1982	1950	1921	1897	1905	1919
40	1322	1371	1426	1483	1541	1595	1643	1681	1629	1567	1499	1426	1352	1280	1212	1151	1100	1131	1172
45	714	749	789	833	877	918	955	985	942	892	837	778	719	661	606	557	516	540	571
50	307	328	352	377	403	428	450	468	447	422	393	363	332	301	272	246	224	236	252
55	173	182	192	204	215	226	236	245	237	228	218	206	195	183	172	162	153	157	162
60	133	134	136	138	139	141	143	145	143	141	139	137	135	132	130	128	126	126	125
65	103	102	102	102	102	101	101	101	100	100.0	99.5	99.0	98.5	98.0	97.5	97.0	96.4	95.6	94.7
70	68.5	68.4	68.4	68.4	68.4	68.4	68.3	68.3	67.7	67.0	66.3	65.6	64.8	64.1	63.3	62.6	61.9	61.2	60.7
75	39.5	39.7	39.9	40.2	40.4	40.7	40.9	41.1	40.6	40.0	39.4	38.7	38.0	37.3	36.6	35.9	35.3	34.9	34.6
80	23.8	24.7	25.6	26.6	27.5	28.3	29.0	29.5	28.7	27.7	26.6	25.4	24.1	22.8	21.5	20.3	19.1	18.8	18.5
85	24.4	24.8	25.1	25.3	25.4	25.3	24.9	24.4	22.7	20.8	18.8	16.8	14.7	12.8	10.9	9.14	7.64	7.57	7.74
90	99.4	103	105	107	108	108	108	105	94.7	83.0	70.7	58.0	45.4	33.2	21.9	11.7	3.04	5.10	8.78
95	194	195	194	192	189	185	179	172	154	136	117	97.3	78.4	60.4	43.9	29.3	17.3	21.0	27.3
100	263	262	260	256	251	244	236	226	205	183	161	138	116	94.9	75.7	58.8	44.7	48.3	54.9
105	329	328	325	321	315	307	297	285	262	236	210	184	159	135	113	93.3	77.3	81.9	90.0
110	397	395	392	386	379	369	358	345	317	289	260	230	202	175	151	129	111	118	128
115	465	461	456	448	439	428	414	398	368	337	306	274	243	214	188	166	147	155	166
120	525	520	512	502	490	476	460	442	411	378	345	312	280	251	224	201	182	191	204
125	577	569	558	546	531	514	495	474	442	410	377	344	313	284	258	236	219	227	240
130	615	604	591	576	558	538	517	495	464	432	401	370	341	314	290	270	254	262	275
135	637	624	609	591	572	551	528	504	475	446	418	390	364	340	319	301	288	295	307
140	643	629	613	594	574	553	530	507	481	455	430	407	384	364	346	331	320	326	335
145	632	618	603	585	566	546	525	503	482	461	440	420	402	386	371	360	351	355	362
150	606	595	581	566	549	532	514	496	479	462	446	431	417	405	394	385	378	381	386
155	573	564	553	541	528	515	501	488	475	463	451	441	431	422	414	408	403	405	408
160	538	531	524	516	507	497	488	478	470	462	454	447	441	435	430	426	423	424	427
165	506	502	497	492	487	482	476	470	466	461	457	453	449	446	443	441	439	440	441
170	481	479	477	474	472	469	467	464	462	460	458	456	455	453	452	451	450	450	450
175	465	465	464	463	463	462	461	461	460	459	459	458	458	458	457	457	457	456	456
180	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452

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:0.3900A P:46.90W PF:0.9900 Freq:60.00Hz Lamp Flux:7041.23x1 lm																	
NAME: 4FT									TYPE:3500K 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	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3386				
5	3365	3365	3364	3364	3363	3363	3363	3363	3364	3364	3365	3366	3367	3368	3370				
10	3303	3303	3303	3304	3305	3306	3307	3309	3311	3313	3315	3318	3321	3324	3327				
15	3198	3198	3198	3199	3201	3203	3205	3209	3213	3218	3224	3230	3237	3244	3252				
20	3033	3034	3036	3039	3042	3047	3052	3059	3066	3074	3083	3093	3104	3115	3128				
25	2783	2787	2792	2799	2806	2815	2825	2835	2845	2857	2869	2883	2897	2913	2929				
30	2471	2472	2475	2479	2485	2492	2501	2512	2524	2537	2552	2569	2588	2608	2629				
35	1937	1958	1981	2006	2031	2056	2080	2089	2097	2103	2106	2107	2107	2104	2099				
40	1221	1275	1332	1390	1446	1498	1543	1546	1540	1526	1502	1468	1426	1375	1314				
45	609	651	696	742	786	828	864	869	867	858	843	821	792	756	714				
50	271	293	315	338	360	381	398	399	396	389	378	364	346	324	298				
55	168	176	183	191	198	205	211	211	209	206	201	196	188	180	170				
60	126	126	126	127	128	128	129	129	130	130	131	131	132	132	132				
65	93.9	93.2	92.5	92.0	91.6	91.3	91.3	91.7	92.4	93.3	94.4	95.8	97.3	99.1	101				
70	60.1	59.7	59.3	59.1	59.0	59.0	59.1	59.5	60.1	60.8	61.7	62.7	63.9	65.2	66.7				
75	34.4	34.2	34.1	34.0	34.1	34.1	34.3	34.5	34.7	35.1	35.5	35.9	36.4	37.0	37.7				
80	18.4	18.4	18.5	18.6	18.8	19.0	19.3	19.4	19.5	19.7	19.9	20.1	20.3	20.5	20.8				
85	8.13	8.69	9.41	10.2	11.2	12.1	13.1	13.7	14.2	14.8	15.3	15.8	16.4	16.9	17.4				
90	13.8	19.9	26.7	34.0	41.5	48.9	56.0	58.5	60.3	61.5	62.0	61.8	60.9	59.4	57.2				
95	35.7	45.9	57.4	69.7	82.4	95.0	107	113	117	121	124	126	127	127	126				
100	64.1	75.2	88.0	102	116	131	145	152	158	163	167	171	174	175	176				
105	101	114	129	145	162	179	195	202	208	213	217	220	222	222	221				
110	141	157	175	194	213	233	251	259	266	271	274	276	276	275	272				
115	182	200	220	242	264	286	307	316	323	329	333	335	336	334	332				
120	221	241	264	287	311	335	358	368	376	383	388	391	392	391	388				
125	257	277	299	323	348	372	396	408	418	426	433	439	443	445	446				
130	291	310	331	354	378	402	426	438	450	460	470	477	484	490	494				
135	322	340	360	381	403	426	448	462	474	485	496	505	514	521	528				
140	347	361	378	396	416	435	455	468	481	493	505	517	528	538	549				
145	371	383	396	411	427	443	460	471	483	494	505	517	528	539	550				
150	394	403	413	424	436	449	462	471	480	489	498	507	516	525	534				
155	413	419	426	434	443	451	461	467	474	481	487	494	501	508	515				
160	430	434	438	443	449	455	461	465	469	473	478	482	486	491	495				
165	442	444	447	449	452	455	459	461	464	466	469	471	474	477	479				
170	451	452	452	453	455	456	457	458	459	460	461	463	464	465	467				
175	456	457	457	457	457	457	457	458	458	458	458	458	459	459	459				
180	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452				

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: