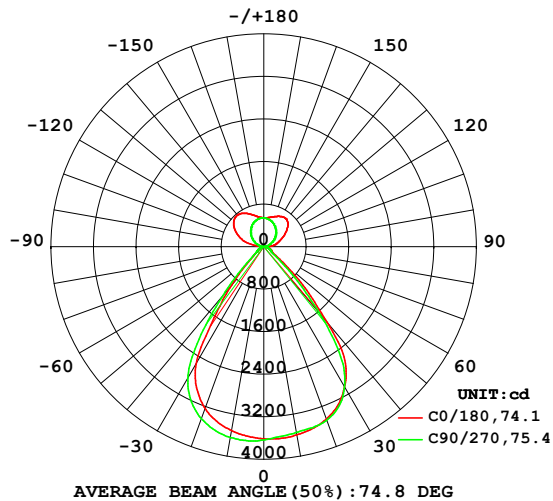


LUMINAIRE PHOTOMETRIC TEST REPORT

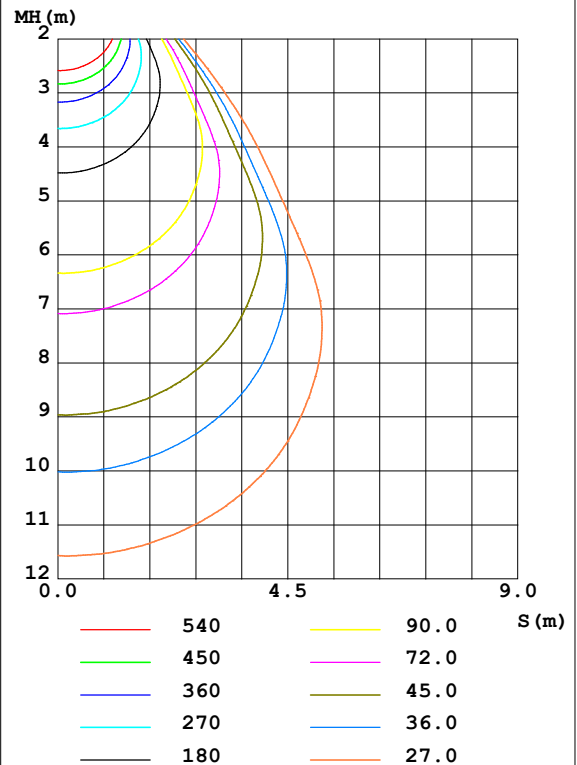
Test:U:120.7V I:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.14 lm/W			
MODEL		I _{max} (cd)	3672	S/MH(C0/180)	1.17
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	7852.0	η UP,DN(C0-180)	14.6,36.5
NOMINAL FLUX(lm)	7851.99	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.6,33.4
LAMPS INSIDE	1	η up(%)	30.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	69.8	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:

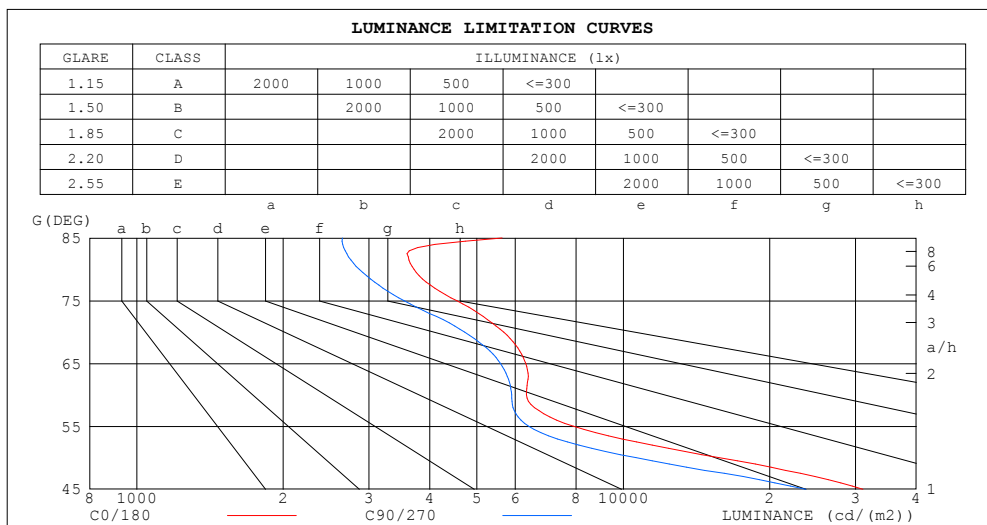
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3592	3563	3548	3524	3511	3592	3643	3650	0- 10	344.0	344.0	4.38,4.38
20	3448	3442	3471	3352	3236	3362	3440	3483	10- 20	991.0	1335	17,17
30	3044	3135	3042	2934	2549	2770	2860	3023	20- 30	1476	2811	35.8,35.8
40	1849	2350	1622	1974	943.2	1566	1186	2054	30- 40	1478	4289	54.6,54.6
50	505.3	895.0	341.3	543.7	204.4	379.1	231.5	598.2	40- 50	783.0	5072	64.6,64.6
60	158.1	224.5	147.4	160.2	125.5	126.6	134.7	163.3	50- 60	236.9	5309	67.6,67.6
70	97.11	93.33	80.70	69.92	51.90	55.19	62.48	75.88	60- 70	110.2	5419	69,69
80	32.25	32.39	24.90	21.65	14.47	15.02	18.22	24.23	70- 80	46.83	5466	69.6,69.6
90	63.44	27.83	2.132	5.251	2.931	26.12	2.832	69.35	80- 90	17.18	5483	69.8,69.8
100	209.0	150.7	36.62	210.4	216.7	265.8	59.28	190.7	90-100	98.22	5581	71.1,71.1
110	317.9	268.5	112.8	382.5	462.2	415.7	138.8	307.7	100-110	250.4	5832	74.3,74.3
120	457.7	387.5	196.9	513.8	626.1	530.7	223.6	428.4	110-120	359.4	6191	78.8,78.8
130	592.7	469.4	280.2	591.2	738.8	593.7	307.5	519.8	120-130	419.9	6611	84.2,84.2
140	669.8	516.1	359.1	614.5	775.0	605.5	387.1	558.0	130-140	416.5	7027	89.5,89.5
150	657.2	534.1	431.4	599.9	727.3	590.8	456.2	562.1	140-150	355.1	7382	94,94
160	602.9	538.2	487.9	573.0	641.5	567.9	507.6	554.7	150-160	261.0	7643	97.3,97.3
170	558.3	538.6	525.2	551.1	569.8	550.4	537.5	546.0	160-170	156.6	7800	99.3,99.3
180	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	170-180	52.00	7852	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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	5632	2645
80	3715	2868
75	4548	3544
70	5679	4719
65	6301	5589
60	6326	5897
55	7904	6395
50	15721	10618
45	31085	23719

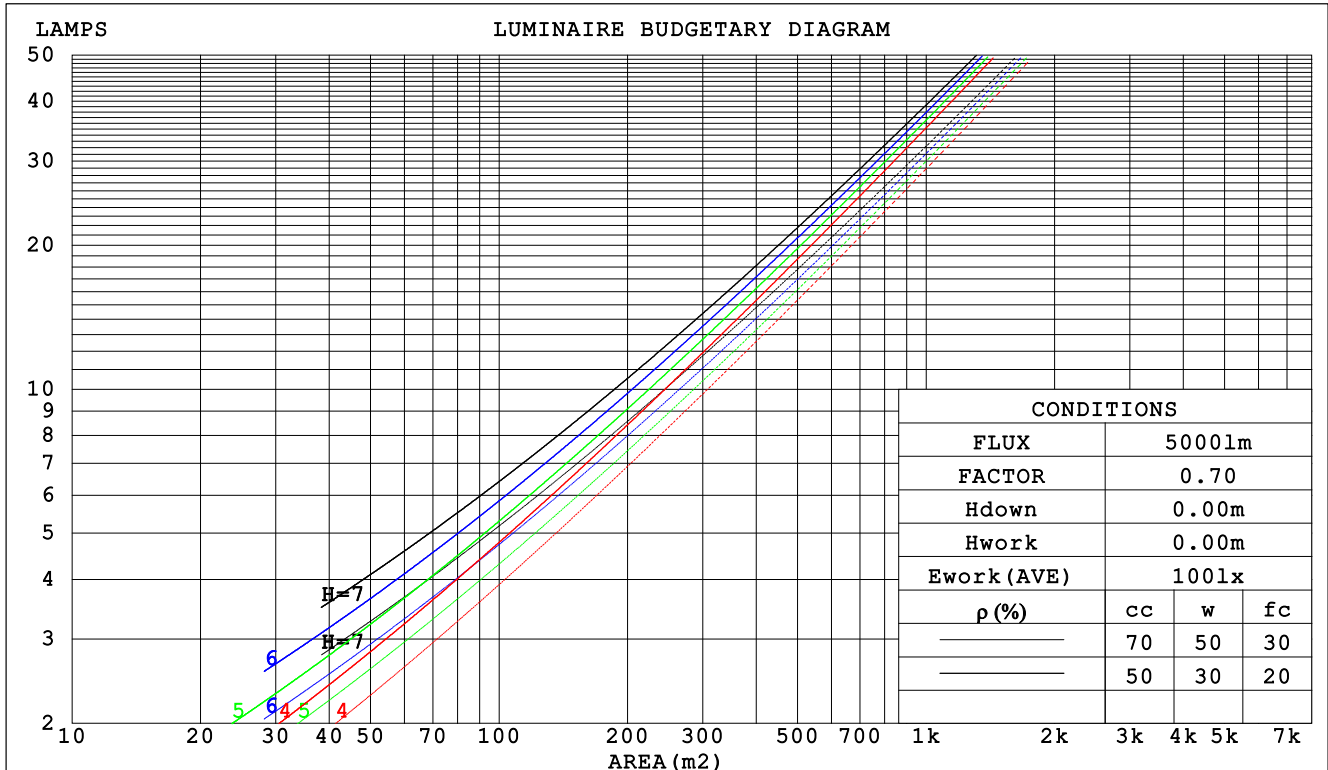
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	1.01	.98	.95	.96	.93	.91	.86	.84	.83	.78	.76	.75	.69	.68	.67	.64
2.0	.91	.86	.82	.87	.83	.79	.79	.75	.73	.71	.69	.67	.64	.63	.61	.58
3.0	.83	.77	.72	.79	.74	.69	.72	.68	.64	.66	.62	.60	.60	.57	.55	.52
4.0	.75	.69	.63	.72	.66	.61	.66	.61	.57	.60	.57	.54	.55	.52	.50	.47
5.0	.69	.62	.57	.66	.60	.55	.61	.56	.52	.56	.52	.48	.51	.48	.45	.43
6.0	.63	.56	.51	.60	.54	.49	.56	.51	.47	.51	.47	.44	.47	.44	.41	.39
7.0	.58	.51	.46	.56	.49	.45	.52	.46	.42	.48	.43	.40	.44	.41	.38	.36
8.0	.53	.46	.42	.51	.45	.41	.48	.42	.39	.44	.40	.37	.41	.38	.35	.33
9.0	.49	.43	.38	.48	.41	.37	.44	.39	.35	.41	.37	.34	.38	.35	.32	.30
10.0	.46	.39	.35	.44	.38	.34	.41	.36	.33	.39	.34	.31	.36	.32	.30	.28



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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	.224	.128	.040	.208	.119	.038	.178	.102	.033	.151	.087	.028	.126	.073	.023		
2.0	.213	.117	.036	.199	.109	.034	.172	.096	.030	.147	.083	.026	.124	.070	.022		
3.0	.201	.107	.032	.188	.101	.030	.164	.089	.027	.141	.077	.024	.121	.067	.021		
4.0	.190	.098	.029	.178	.093	.028	.156	.083	.025	.135	.073	.022	.116	.063	.019		
5.0	.179	.091	.026	.168	.086	.025	.148	.077	.023	.129	.068	.020	.111	.060	.018		
6.0	.169	.085	.024	.159	.080	.023	.141	.072	.021	.123	.064	.019	.107	.056	.017		
7.0	.160	.079	.022	.151	.075	.021	.134	.068	.019	.118	.060	.018	.103	.053	.016		
8.0	.151	.074	.021	.143	.070	.020	.127	.064	.018	.112	.057	.016	.098	.050	.015		
9.0	.144	.070	.019	.136	.066	.019	.121	.060	.017	.107	.054	.015	.094	.048	.014		
10.0	.137	.066	.018	.130	.063	.017	.116	.057	.016	.103	.051	.015	.091	.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	.420	.420	.420	.359	.359	.359	.245	.245	.245	.141	.141	.141	.045	.045	.045	
1.0	.406	.389	.373	.348	.334	.321	.238	.229	.222	.137	.133	.129	.044	.043	.042	
2.0	.395	.366	.341	.338	.315	.295	.232	.218	.206	.134	.127	.120	.043	.041	.039	
3.0	.386	.348	.319	.331	.301	.276	.227	.209	.194	.131	.122	.114	.042	.040	.037	
4.0	.378	.335	.303	.324	.290	.263	.223	.202	.185	.129	.118	.110	.041	.039	.036	
5.0	.371	.325	.291	.318	.281	.253	.219	.196	.179	.127	.115	.106	.041	.038	.035	
6.0	.364	.317	.283	.313	.274	.246	.216	.192	.174	.125	.113	.104	.040	.037	.034	
7.0	.358	.310	.276	.308	.269	.241	.213	.188	.171	.124	.111	.102	.040	.036	.034	
8.0	.353	.305	.271	.304	.264	.237	.210	.185	.168	.122	.109	.100	.040	.036	.033	
9.0	.348	.300	.267	.300	.260	.233	.208	.183	.166	.121	.108	.099	.039	.035	.033	
10.0	.343	.296	.264	.296	.257	.231	.205	.181	.164	.120	.107	.098	.039	.035	.032	

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	20.8	21.7	21.4	22.3	23.0	20.0	20.9	20.6	21.5	22.3
3H	20.7	21.5	21.3	22.1	22.9	19.9	20.7	20.6	21.4	22.1
4H	20.6	21.4	21.3	22.0	22.8	19.8	20.6	20.5	21.3	22.0
6H	20.5	21.2	21.2	21.9	22.7	19.7	20.4	20.4	21.1	21.9
8H	20.4	21.1	21.2	21.8	22.7	19.7	20.3	20.4	21.0	21.9
12H	20.4	21.1	21.1	21.8	22.6	19.6	20.2	20.3	21.0	21.8
4H 2H	20.5	21.3	21.2	21.9	22.7	19.8	20.5	20.5	21.2	22.0
3H	20.4	21.1	21.2	21.8	22.6	19.7	20.4	20.4	21.1	21.9
4H	20.4	21.0	21.1	21.7	22.6	19.6	20.2	20.4	21.0	21.8
6H	20.3	20.8	21.1	21.6	22.5	19.6	20.1	20.3	20.8	21.7
8H	20.3	20.7	21.1	21.5	22.5	19.5	20.0	20.3	20.8	21.7
12H	20.2	20.7	21.0	21.4	22.4	19.4	19.9	20.3	20.7	21.6
8H 4H	20.2	20.7	21.0	21.4	22.4	19.5	19.9	20.3	20.7	21.7
6H	20.2	20.5	21.0	21.3	22.3	19.4	19.8	20.3	20.6	21.6
8H	20.1	20.5	21.0	21.3	22.3	19.4	19.7	20.2	20.5	21.6
12H	20.1	20.4	21.0	21.3	22.3	19.3	19.6	20.2	20.5	21.5
12H 4H	20.1	20.6	20.9	21.3	22.3	19.4	19.8	20.2	20.6	21.6
6H	20.1	20.4	20.9	21.3	22.3	19.4	19.7	20.2	20.5	21.5
8H	20.1	20.4	20.9	21.2	22.2	19.3	19.6	20.2	20.5	21.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 4.8					+ 2.3 / - 4.9				
1.5H	+ 2.3 / - 4.5					+ 2.5 / - 5.2				
2.0H	+ 4.6 / - 4.2					+ 4.0 / - 3.5				

CIE Pub.117 Corrected 7852 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:120.7V I:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

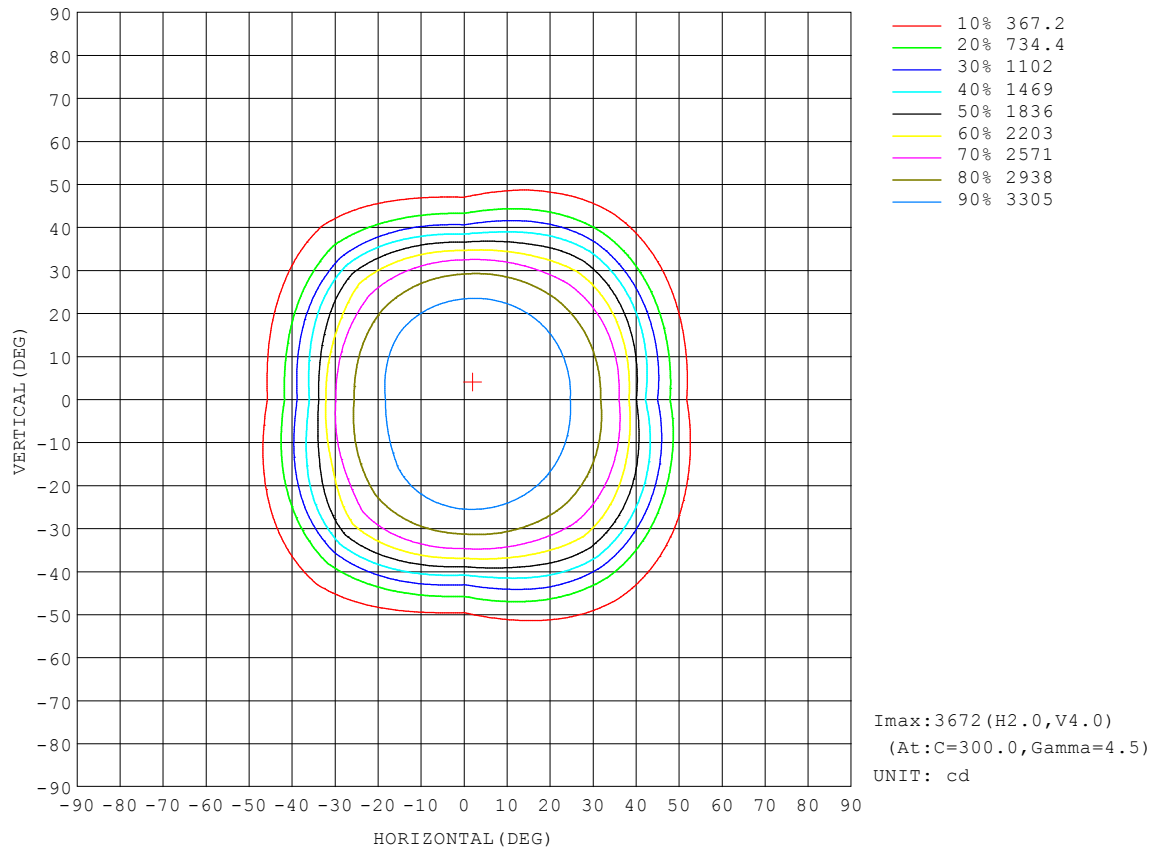
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	54	49	62	54	49	59	52	48	42
0.80	72	63	58	70	62	57	66	59	55	48
1.00	79	70	64	76	68	63	71	66	61	53
1.25	84	76	71	81	74	69	76	70	66	56
1.50	88	81	75	85	78	73	79	73	70	59
2.00	93	86	81	89	83	79	82	78	74	62
2.50	96	90	85	92	87	82	84	80	77	63
3.00	99	93	89	94	89	86	86	82	79	64
4.00	102	97	93	97	93	90	88	85	83	66
5.00	104	100	97	99	95	92	89	87	85	67
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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

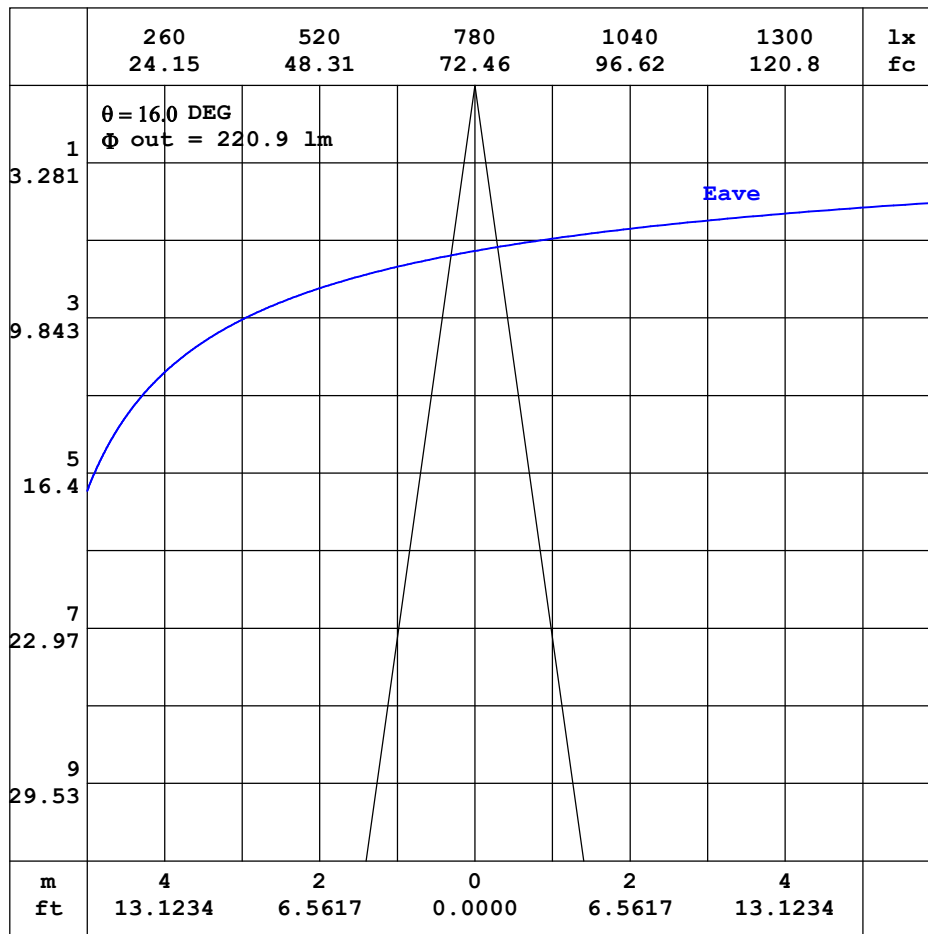


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



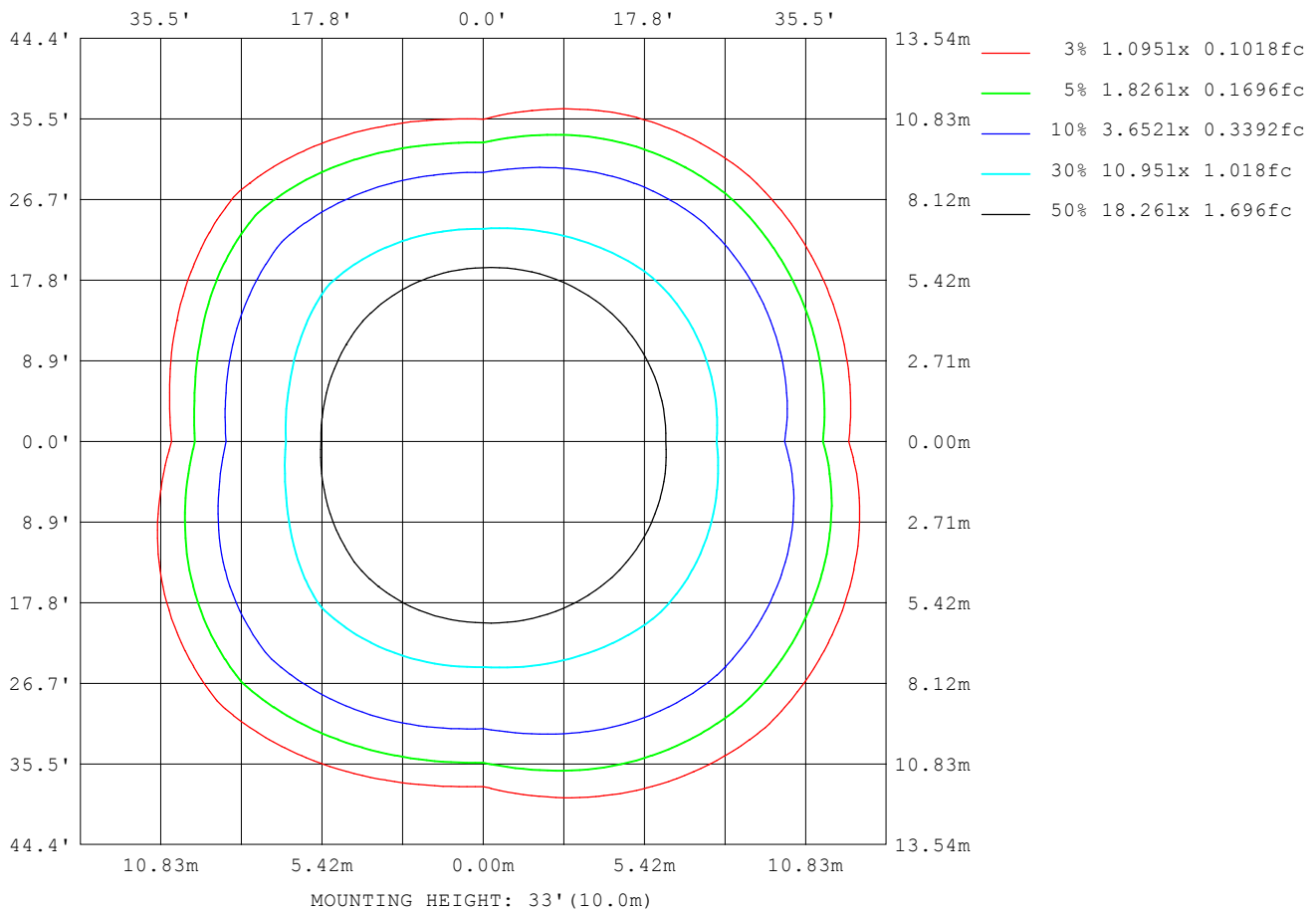
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.7V I:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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:120.7V I:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

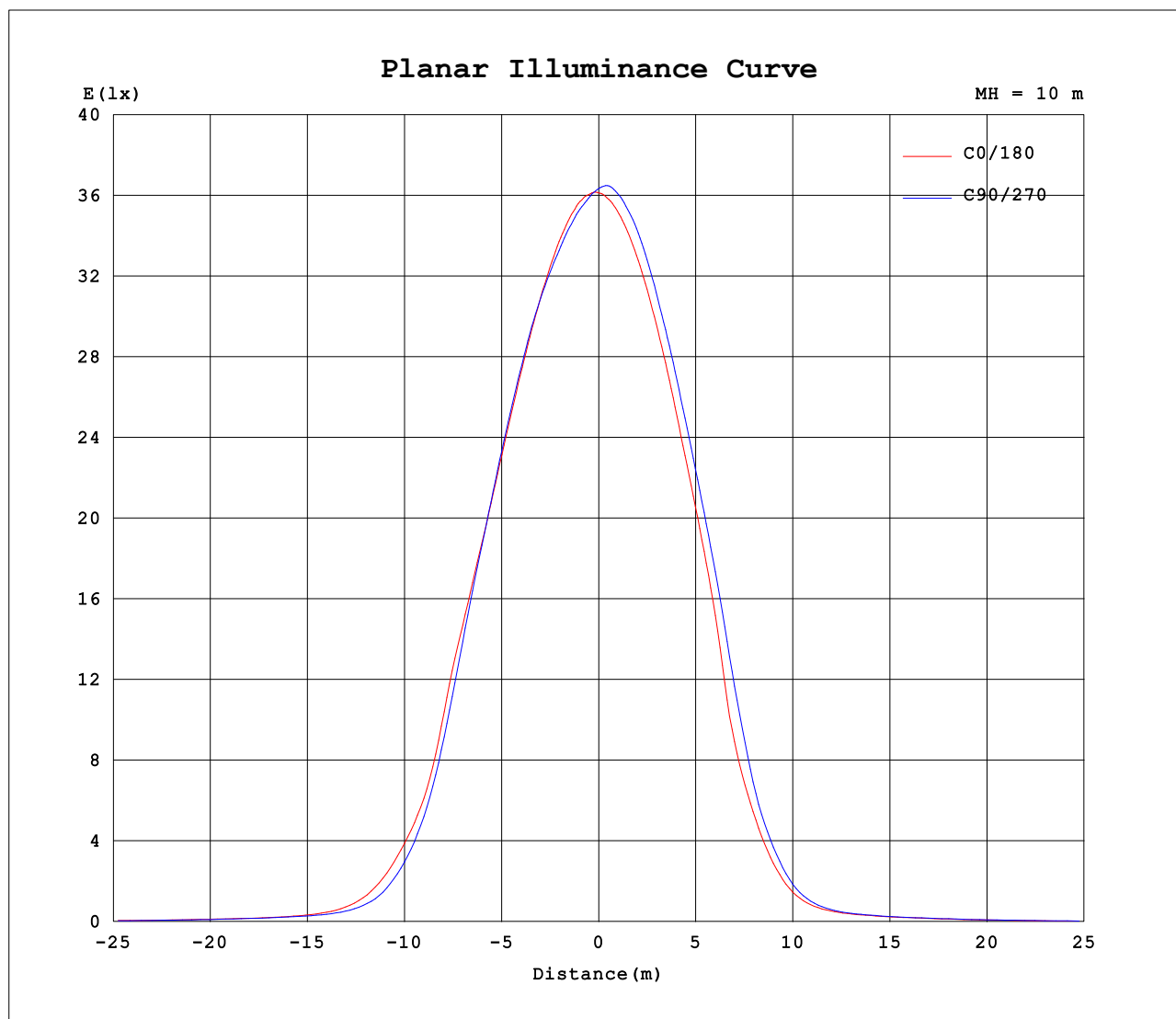
AvgL	cd/m2
L_0~180 (65) av	5251
L_0~180 (75) av	3392
L_0~180 (85) av	3351
L_90~270 (65) av	5163
L_90~270 (75) av	3129
L_90~270 (85) av	2040
L_45 (65) av	5226
L_45 (75) av	3347
L_45 (85) av	2798

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	3612	3614	3615	3617	3618	3619	3621	3622	3623	3625	3626	3627	3628	3629	3630	3631	3632	3633	3634
5	3619	3616	3613	3610	3608	3605	3602	3600	3598	3596	3594	3592	3591	3590	3588	3587	3586	3585	3584
10	3592	3589	3585	3581	3578	3574	3571	3569	3566	3563	3561	3559	3558	3556	3555	3553	3551	3550	3548
15	3541	3535	3529	3524	3520	3516	3513	3511	3509	3508	3510	3512	3515	3518	3521	3523	3524	3525	3525
20	3448	3445	3443	3442	3441	3440	3440	3440	3441	3442	3447	3452	3457	3461	3466	3469	3471	3472	3471
25	3293	3300	3307	3313	3319	3324	3328	3331	3334	3336	3339	3341	3342	3342	3342	3340	3337	3332	3327
30	3044	3063	3080	3095	3107	3117	3125	3131	3134	3135	3131	3125	3117	3107	3096	3083	3070	3057	3042
35	2676	2713	2745	2772	2793	2809	2819	2824	2824	2818	2794	2765	2733	2699	2663	2627	2591	2558	2527
40	1849	1966	2067	2153	2223	2279	2319	2345	2355	2350	2287	2213	2129	2040	1949	1858	1771	1691	1622
45	1099	1237	1356	1458	1542	1608	1656	1687	1699	1694	1622	1536	1440	1336	1229	1122	1019	923	839
50	505	595	673	740	795	838	870	890	898	895	849	794	731	664	595	526	459	397	341
55	227	270	307	340	367	388	404	415	421	421	402	379	352	324	294	264	235	207	183
60	158	173	185	196	205	213	218	222	224	224	219	212	203	194	184	175	165	156	147
65	133	134	135	135	135	135	135	135	134	134	132	131	129	128	126	124	122	120	118
70	97.1	97.1	97.0	96.8	96.5	96.1	95.6	94.9	94.2	93.3	92.2	90.9	89.6	88.2	86.7	85.2	83.7	82.2	80.7
75	58.9	59.4	59.8	60.0	60.1	60.1	59.9	59.5	59.0	58.4	57.2	56.0	54.6	53.2	51.7	50.2	48.7	47.3	45.9
80	32.3	32.6	32.9	33.1	33.3	33.3	33.2	33.0	32.8	32.4	31.7	31.0	30.2	29.3	28.4	27.5	26.6	25.7	24.9
85	24.5	23.7	22.8	22.0	21.1	20.3	19.5	18.8	18.0	17.3	16.5	15.8	15.0	14.4	13.7	13.1	12.5	12.0	11.5
90	63.4	59.0	54.7	50.5	46.4	42.4	38.6	34.9	31.3	27.8	24.1	20.6	17.2	14.1	11.1	8.43	6.02	3.91	2.13
95	142	138	134	129	124	119	113	106	99.7	92.5	81.7	70.6	59.7	49.1	39.0	29.8	21.6	14.8	9.48
100	209	205	201	196	190	183	176	168	160	151	135	118	102	86.5	72.2	59.6	49.2	41.4	36.6
105	264	261	258	253	248	242	235	227	217	207	188	169	149	131	114	99.3	87.2	78.3	73.2
110	318	318	316	313	309	304	297	289	279	269	247	224	202	181	161	144	129	119	113
115	386	386	384	381	377	371	363	354	343	331	307	282	257	232	210	190	174	162	155
120	458	456	452	448	441	434	424	413	401	387	361	333	306	280	256	235	217	204	197
125	526	520	514	506	497	487	475	463	449	433	405	377	349	323	298	277	259	246	239
130	593	582	571	559	546	532	518	503	486	469	441	413	386	360	336	316	299	287	280
135	646	631	615	600	583	567	550	533	515	497	470	443	417	393	371	352	337	326	320
140	670	653	636	619	602	585	568	551	533	516	491	467	444	422	403	386	373	364	359
145	673	656	639	623	607	590	574	559	543	528	506	486	466	448	432	418	407	400	397
150	657	643	628	614	600	586	573	560	547	534	517	501	485	471	458	448	440	434	431
155	631	620	609	598	587	576	566	556	546	537	524	512	501	490	481	474	468	464	462
160	603	595	587	580	572	565	558	551	545	538	530	522	514	507	501	496	492	489	488
165	578	573	568	564	559	555	550	546	542	538	533	528	524	520	516	513	511	509	509
170	558	556	553	551	549	547	544	542	540	539	536	534	532	530	528	527	526	525	525
175	546	545	545	544	543	542	541	541	540	540	539	538	538	537	537	537	537	537	537
180	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	3635	3637	3638	3639	3640	3641	3642	3642	3641	3639	3635	3632	3628	3625	3621	3618	3615	3612	3612
5	3584	3584	3583	3583	3583	3583	3583	3582	3582	3581	3580	3578	3577	3577	3576	3577	3577	3579	3583
10	3545	3543	3540	3537	3534	3532	3529	3526	3524	3520	3517	3514	3512	3510	3509	3509	3509	3511	3518
15	3518	3511	3502	3493	3484	3474	3464	3454	3445	3437	3429	3422	3416	3412	3408	3406	3405	3406	3414
20	3463	3452	3441	3428	3414	3399	3384	3368	3352	3335	3318	3301	3286	3272	3260	3249	3241	3236	3243
25	3318	3309	3297	3285	3271	3256	3239	3221	3202	3172	3143	3113	3084	3056	3030	3007	2987	2971	2977
30	3036	3029	3021	3012	3001	2988	2973	2955	2934	2889	2841	2793	2744	2697	2653	2613	2578	2549	2557
35	2535	2545	2555	2564	2570	2572	2567	2554	2532	2431	2322	2209	2095	1983	1877	1780	1695	1626	1665
40	1652	1693	1741	1791	1842	1889	1928	1958	1974	1872	1758	1634	1506	1378	1253	1136	1032	943	979
45	857	888	926	970	1016	1061	1103	1137	1161	1091	1011	923	832	739	648	562	483	416	434
50	350	367	389	415	443	472	500	524	544	513	478	439	397	355	313	273	236	204	214
55	187	195	204	216	229	242	254	266	276	266	254	240	225	210	195	180	167	154	156
60	147	147	148	150	152	154	157	159	160	157	154	150	146	141	137	133	129	125	124
65	117	115	114	113	112	110	109	108	106	104	102	99.9	97.8	95.7	93.8	91.9	90.3	88.8	88.1
70	79.6	78.5	77.3	76.2	75.1	73.9	72.6	71.3	69.9	67.8	65.5	63.3	61.1	59.0	56.9	55.1	53.4	51.9	51.5
75	45.1	44.5	43.9	43.3	42.7	42.2	41.6	40.9	40.3	39.0	37.6	36.2	34.9	33.5	32.2	31.0	29.9	28.9	28.6
80	24.5	24.1	23.8	23.4	23.1	22.8	22.4	22.1	21.7	20.8	20.0	19.1	18.3	17.4	16.6	15.8	15.1	14.5	14.2
85	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.5	10.4	9.74	9.08	8.40	7.72	7.03	6.37	5.75	5.17	4.67	4.58
90	2.11	2.19	2.30	2.44	2.59	3.12	3.82	4.55	5.25	4.70	4.12	3.55	3.05	2.65	2.40	2.33	2.49	2.93	5.56
95	13.4	18.8	25.4	32.9	41.0	49.4	57.8	65.8	73.2	72.1	70.3	68.1	65.7	63.5	61.6	60.5	60.2	61.1	73.6
100	50.0	66.4	85.0	105	127	149	170	191	210	215	219	221	221	221	220	219	218	217	226
105	90.3	111	135	161	189	218	247	275	302	317	330	341	350	358	364	368	371	373	377
110	133	158	186	217	250	283	317	351	383	400	414	427	438	446	453	458	461	462	465
115	178	205	237	271	308	346	384	421	457	476	493	508	520	530	537	542	546	547	549
120	220	249	281	317	356	396	436	476	514	536	557	574	589	602	612	619	624	626	626
125	262	290	323	359	398	438	479	520	559	584	607	627	645	660	672	681	688	691	689
130	302	329	361	396	434	473	513	553	591	618	643	665	685	702	716	727	734	739	734
135	340	365	395	427	462	498	536	573	610	637	663	686	707	726	741	754	762	768	761
140	376	398	423	452	483	515	548	582	615	641	667	690	712	730	747	760	769	775	767
145	411	429	450	473	499	526	554	582	610	635	658	680	700	718	733	746	755	761	753
150	442	456	473	491	512	533	555	577	600	620	640	658	675	690	703	714	722	727	720
155	470	480	493	506	521	537	553	570	587	602	617	631	644	656	666	675	681	685	679
160	493	500	509	518	528	539	550	562	573	584	594	604	613	621	628	634	639	641	637
165	512	517	522	527	534	540	547	554	561	567	573	579	584	589	593	597	599	601	599
170	527	529	532	535	538	541	544	548	551	554	557	560	562	564	566	568	569	570	569
175	537	538	539	540	541	542	543	544	545	546	547	548	549	549	550	550	551	551	550
180	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	3613	3614	3615	3617	3618	3620	3622	3625	3626	3627	3628	3629	3630	3631	3632	3633	3634	3635	3637
5	3588	3593	3599	3605	3611	3618	3624	3630	3635	3639	3644	3648	3651	3655	3658	3661	3663	3666	3668
10	3525	3534	3543	3552	3562	3572	3582	3592	3599	3607	3613	3619	3625	3631	3635	3640	3643	3647	3649
15	3423	3433	3445	3457	3470	3483	3496	3509	3518	3527	3535	3543	3550	3557	3563	3569	3574	3579	3583
20	3253	3265	3279	3294	3311	3328	3345	3362	3373	3383	3393	3402	3410	3419	3426	3433	3440	3447	3454
25	2987	3001	3017	3036	3056	3077	3100	3122	3135	3147	3159	3171	3182	3192	3202	3212	3222	3232	3243
30	2571	2592	2616	2644	2675	2707	2739	2770	2783	2795	2805	2814	2823	2832	2841	2850	2860	2878	2897
35	1720	1788	1865	1949	2035	2122	2204	2280	2276	2264	2246	2224	2201	2177	2155	2137	2125	2168	2218
40	1032	1098	1174	1255	1339	1421	1498	1566	1533	1489	1440	1387	1335	1285	1242	1208	1186	1263	1353
45	464	502	548	597	648	699	746	789	760	727	689	651	615	582	554	535	527	598	679
50	228	247	268	291	315	339	360	379	363	345	324	304	283	265	249	238	232	265	303
55	160	165	171	177	184	191	197	203	199	193	187	181	176	171	166	164	163	174	187
60	124	123	123	124	124	125	126	127	127	127	128	129	129	130	132	133	135	138	141
65	87.7	87.5	87.4	87.5	87.8	88.3	88.9	89.6	90.4	91.4	92.4	93.5	94.7	96.0	97.3	98.7	100	101	102
70	51.4	51.5	51.8	52.2	52.8	53.5	54.3	55.2	55.8	56.4	57.1	57.8	58.6	59.5	60.4	61.4	62.5	63.6	64.9
75	28.4	28.4	28.4	28.6	28.9	29.2	29.7	30.1	30.5	30.9	31.3	31.8	32.4	33.0	33.7	34.4	35.1	35.9	36.8
80	14.1	14.0	14.1	14.1	14.3	14.5	14.7	15.0	15.2	15.5	15.8	16.1	16.5	16.8	17.3	17.7	18.2	18.8	19.3
85	4.56	4.61	4.71	4.85	5.03	5.23	5.45	5.67	5.59	5.52	5.46	5.44	5.46	5.54	5.69	5.93	6.25	7.01	7.86
90	8.41	11.4	14.4	17.3	20.0	22.4	24.5	26.1	23.3	20.2	16.8	13.4	10.2	7.34	5.04	3.48	2.83	8.76	15.6
95	87.1	101	115	128	141	151	160	166	153	138	122	104	85.9	68.2	51.6	36.8	24.3	30.5	39.3
100	234	243	251	258	263	266	267	266	245	221	196	170	145	120	96.9	76.4	59.3	65.4	75.2
105	379	379	378	375	369	362	352	340	313	283	253	223	193	165	139	117	98.0	105	116
110	466	466	463	459	452	442	430	416	384	350	316	281	247	215	186	160	139	147	159
115	548	546	541	534	524	512	498	480	445	408	371	333	297	262	231	203	181	189	202
120	623	618	610	599	586	570	552	531	494	455	416	377	340	305	273	246	224	234	249
125	683	675	664	650	633	614	593	569	532	493	454	415	378	344	313	287	266	276	293
130	726	715	701	685	665	644	620	594	557	520	482	446	411	379	351	326	307	318	334
135	751	738	721	702	681	657	632	605	571	537	503	470	439	411	386	365	349	358	373
140	756	741	724	704	681	657	632	606	576	546	517	488	462	438	417	400	387	395	407
145	742	727	710	691	670	647	624	600	575	550	526	504	482	463	447	433	423	430	439
150	710	698	683	667	649	630	611	591	571	552	534	517	501	486	474	464	456	461	468
155	672	662	650	638	624	609	594	579	565	552	538	526	515	505	496	489	484	487	492
160	632	625	617	608	599	589	578	568	559	550	542	534	527	520	515	511	508	510	513
165	595	591	587	582	576	570	564	558	553	548	544	540	536	532	529	527	525	526	528
170	567	565	563	561	558	556	553	550	548	546	545	543	541	540	539	538	537	538	538
175	550	549	549	548	547	546	546	545	545	544	544	544	544	543	543	543	543	543	543
180	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538

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:0.5050A P:60.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7851.99x1 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	3638	3639	3640	3641	3642	3642	3641	3640	3638	3636	3633	3630	3626	3622	3617				
5	3670	3671	3672	3672	3672	3671	3669	3666	3663	3659	3654	3648	3642	3635	3628				
10	3651	3653	3654	3654	3653	3652	3650	3647	3643	3638	3632	3626	3619	3611	3602				
15	3586	3589	3591	3593	3593	3593	3592	3590	3587	3583	3578	3572	3566	3559	3550				
20	3461	3466	3471	3475	3479	3481	3483	3483	3482	3480	3477	3473	3468	3462	3455				
25	3252	3262	3270	3278	3286	3292	3297	3301	3303	3305	3305	3305	3303	3301	3297				
30	2917	2936	2955	2974	2991	3008	3023	3032	3040	3046	3050	3052	3052	3051	3048				
35	2273	2331	2392	2453	2513	2570	2624	2651	2674	2691	2702	2708	2708	2703	2692				
40	1451	1556	1663	1769	1872	1968	2054	2084	2101	2105	2095	2073	2037	1988	1925				
45	767	860	955	1049	1139	1222	1297	1323	1336	1338	1328	1306	1272	1227	1169				
50	345	389	434	479	522	562	598	611	617	618	614	603	587	566	538				
55	202	217	232	246	260	273	284	286	286	284	280	274	265	255	242				
60	145	148	152	155	158	161	163	164	165	165	165	165	164	162	160				
65	104	105	106	107	109	110	112	114	116	118	120	123	125	128	130				
70	66.2	67.6	69.1	70.6	72.3	74.0	75.9	77.9	79.9	82.1	84.3	86.7	89.2	91.7	94.4				
75	37.7	38.7	39.7	40.8	42.0	43.2	44.5	45.8	47.2	48.7	50.3	51.9	53.5	55.2	57.0				
80	20.0	20.6	21.3	22.0	22.7	23.4	24.2	25.0	25.8	26.7	27.5	28.4	29.4	30.3	31.3				
85	8.80	9.80	10.9	12.0	13.1	14.3	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5				
90	23.0	31.0	39.1	47.2	55.1	62.6	69.4	72.3	74.3	75.4	75.7	75.0	73.5	71.0	67.7				
95	50.2	62.8	76.6	91.0	106	120	134	140	144	148	150	151	150	149	146				
100	87.8	103	119	137	155	173	191	198	205	209	213	215	215	215	213				
105	131	148	167	187	208	229	249	257	264	269	272	274	274	272	269				
110	175	195	216	239	263	286	308	317	324	329	332	333	332	329	325				
115	220	241	264	289	314	339	364	374	382	389	393	396	396	395	391				
120	269	292	318	346	374	402	428	440	450	458	463	466	467	466	463				
125	313	338	365	393	423	452	480	493	505	514	521	526	529	530	529				
130	354	378	405	433	462	491	520	535	548	560	569	578	584	589	592				
135	391	413	437	463	491	518	545	561	576	590	602	613	623	632	640				
140	423	442	463	485	509	534	558	573	588	602	615	627	639	650	660				
145	452	467	484	502	522	542	563	576	590	603	615	627	639	651	662				
150	477	488	501	516	531	546	562	573	584	595	606	616	627	637	647				
155	499	507	516	526	537	548	559	567	576	584	592	600	608	616	624				
160	517	522	527	534	540	547	555	560	565	571	576	581	587	592	598				
165	530	532	535	539	542	546	550	553	556	559	562	565	568	571	575				
170	539	540	541	542	543	545	546	547	548	550	551	552	554	555	557				
175	543	543	543	543	543	544	544	544	544	544	545	545	545	546	546				
180	538	538	538	538	538	538	538	538	538	538	538	538	538	538	538				

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: