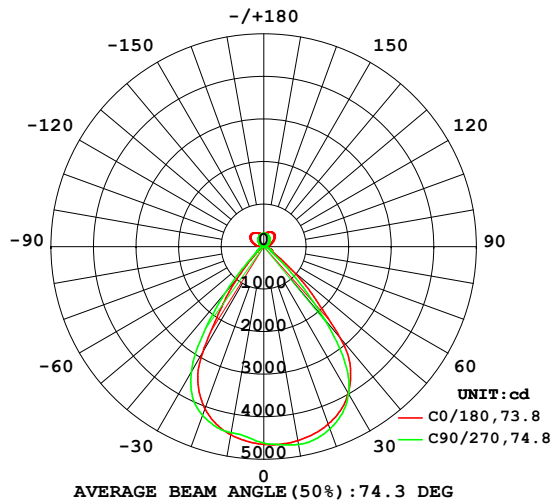


LUMINAIRE PHOTOMETRIC TEST REPORT

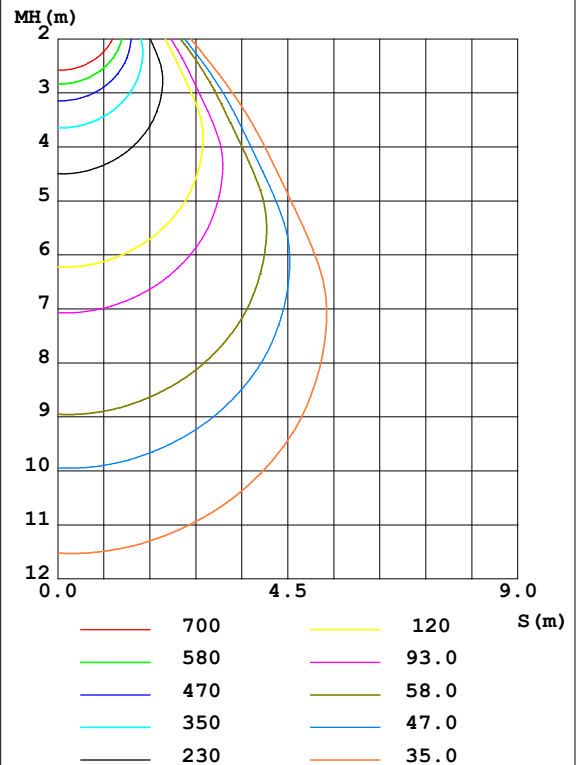
Test:U:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.70 lm/W			
MODEL		I _{max} (cd)	4734	S/MH(C0/180)	1.21
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	8320.2	η UP,DN(C0-180)	8.0,45.5
NOMINAL FLUX(lm)	8320.21	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	8.1,38.4
LAMPS INSIDE	1	η up(%)	16.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	83.9	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:

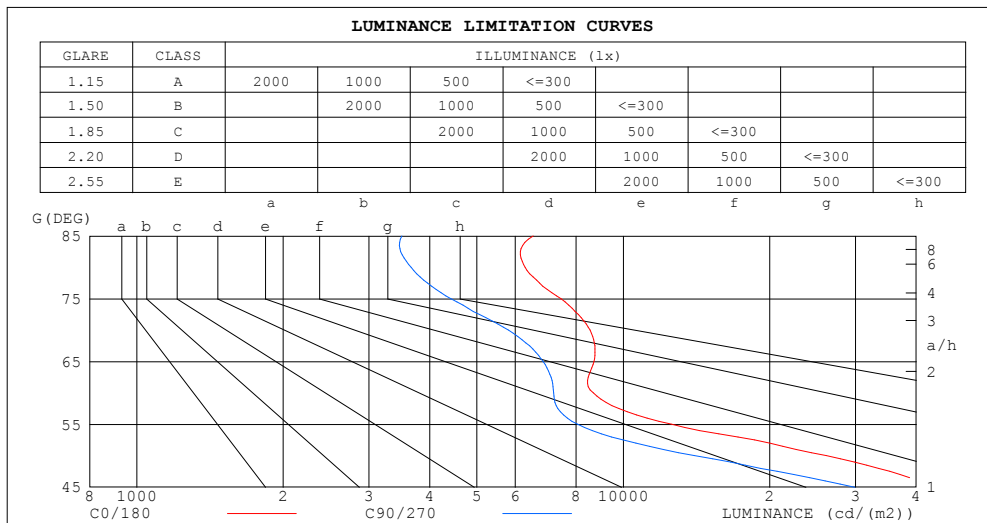
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4627	4713	4721	4617	4489	4367	4437	4445	0- 10	437.2	437.2	5.25,5.25
20	4438	4611	4557	4403	4050	4045	4217	4284	10- 20	1263	1700	20.4,20.4
30	3973	4175	3986	3718	2886	3223	3412	3770	20- 30	1861	3560	42.8,42.8
40	2793	3240	2215	2322	950.7	1539	1363	2621	30- 40	1840	5400	64.9,64.9
50	907.7	1515	485.9	622.3	228.5	391.0	290.6	859.4	40- 50	1016	6416	77.1,77.1
60	234.2	362.1	194.2	185.3	144.5	147.1	174.1	234.7	50- 60	336.6	6752	81.2,81.2
70	157.8	139.4	107.3	79.63	51.19	57.96	78.69	113.0	60- 70	147.1	6900	82.9,82.9
80	58.97	54.37	34.35	22.82	11.70	13.80	21.95	38.71	70- 80	64.10	6964	83.7,83.7
90	19.74	13.05	3.202	9.852	16.46	34.57	0.4373	16.96	80- 90	18.80	6982	83.9,83.9
100	90.07	79.85	21.97	143.4	183.0	159.5	28.74	90.30	90-100	60.69	7043	84.7,84.7
110	164.8	149.3	65.35	220.6	285.5	232.4	72.96	160.0	100-110	142.3	7185	86.4,86.4
120	244.6	230.6	110.5	280.6	367.5	283.0	118.7	230.9	110-120	200.7	7386	88.8,88.8
130	321.9	298.1	158.7	313.8	412.9	305.5	167.0	287.6	120-130	233.3	7620	91.6,91.6
140	378.4	341.0	206.0	319.7	414.0	308.7	214.0	322.1	130-140	232.2	7852	94.4,94.4
150	389.1	354.5	249.7	314.1	374.9	305.3	256.1	333.2	140-150	199.9	8052	96.8,96.8
160	366.2	346.7	284.3	307.6	334.1	304.0	288.6	328.0	150-160	148.7	8200	98.6,98.6
170	331.9	330.6	305.8	305.0	310.3	307.1	309.0	317.5	160-170	89.97	8290	99.6,99.6
180	302.1	302.1	302.1	302.1	302.1	302.1	302.1	302.1	170-180	29.90	8320	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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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	6531	3508
80	6289	3663
75	7447	4424
70	8543	5812
65	8706	6844
60	8674	7191
55	12574	8056
50	26150	13999
45	43781	29915

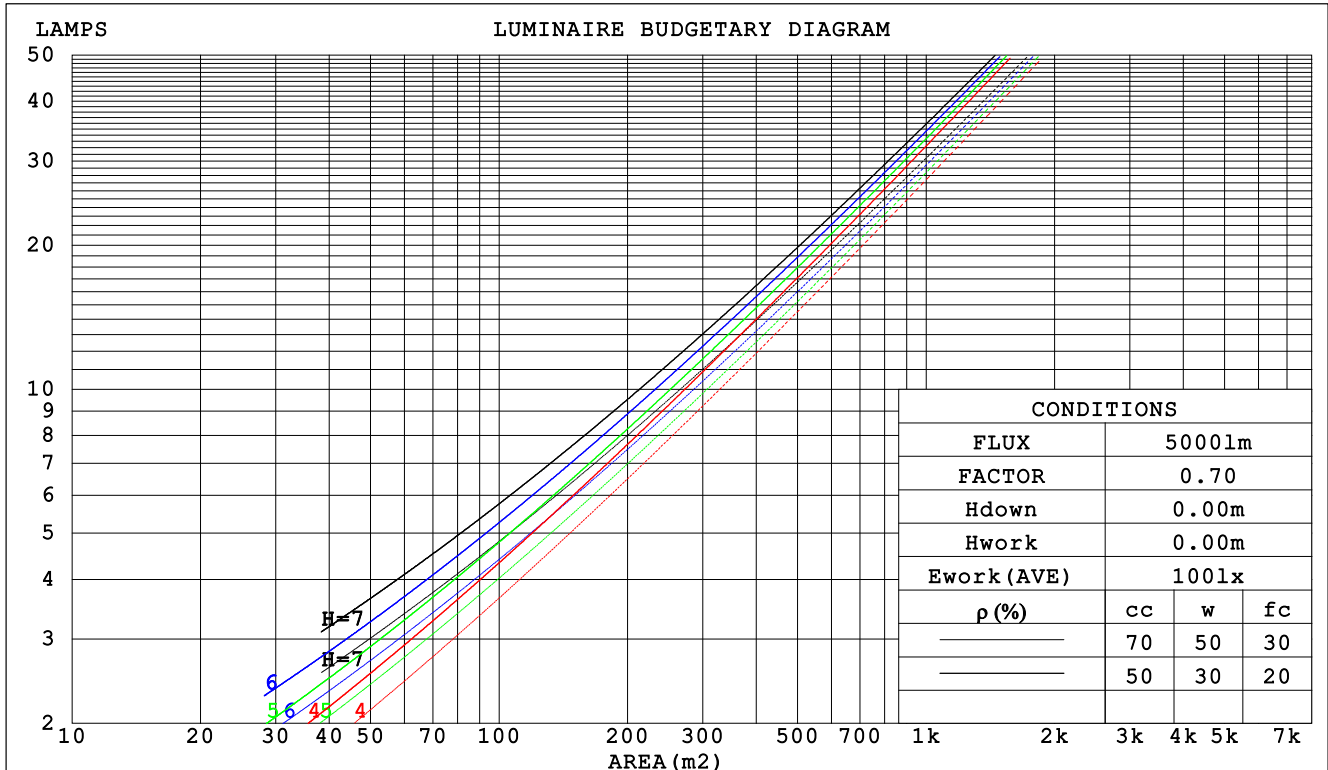
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.84
1.0	1.05	1.02	.99	1.01	.98	.96	.94	.92	.90	.88	.86	.85	.82	.80	.79	.76
2.0	.95	.90	.86	.92	.88	.84	.86	.83	.80	.81	.78	.76	.76	.74	.72	.69
3.0	.87	.81	.76	.84	.79	.74	.79	.75	.71	.74	.71	.68	.70	.67	.65	.62
4.0	.79	.72	.67	.77	.71	.66	.73	.68	.64	.69	.64	.61	.65	.61	.59	.56
5.0	.72	.65	.60	.70	.64	.59	.67	.61	.57	.63	.59	.55	.60	.56	.53	.51
6.0	.67	.60	.54	.65	.58	.54	.62	.56	.52	.59	.54	.50	.56	.52	.49	.47
7.0	.61	.54	.49	.60	.53	.49	.57	.51	.47	.54	.50	.46	.52	.48	.45	.43
8.0	.57	.50	.45	.56	.49	.44	.53	.47	.43	.51	.46	.42	.48	.44	.41	.39
9.0	.53	.46	.41	.52	.45	.41	.49	.44	.40	.47	.42	.39	.45	.41	.38	.36
10.0	.49	.42	.38	.48	.42	.38	.46	.41	.37	.44	.39	.36	.42	.38	.35	.33



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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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	.218	.124	.039	.207	.118	.037	.185	.106	.034	.165	.095	.030	.146	.085	.027		
2.0	.209	.115	.035	.199	.109	.034	.179	.100	.031	.162	.091	.028	.145	.082	.026		
3.0	.198	.106	.032	.189	.101	.030	.172	.093	.028	.156	.085	.026	.141	.078	.024		
4.0	.188	.098	.029	.179	.094	.028	.164	.087	.026	.149	.080	.024	.136	.074	.022		
5.0	.178	.091	.026	.170	.087	.025	.156	.081	.024	.143	.075	.022	.130	.070	.021		
6.0	.168	.084	.024	.161	.082	.023	.149	.076	.022	.136	.071	.021	.125	.066	.020		
7.0	.160	.079	.022	.153	.076	.022	.142	.072	.021	.130	.067	.019	.120	.062	.018		
8.0	.152	.074	.021	.146	.072	.020	.135	.067	.019	.125	.063	.018	.115	.059	.017		
9.0	.144	.070	.019	.139	.068	.019	.129	.064	.018	.119	.060	.017	.110	.056	.016		
10.0	.137	.066	.018	.132	.064	.018	.123	.060	.017	.114	.057	.016	.106	.053	.015		

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	.313	.313	.313	.267	.267	.267	.183	.183	.183	.105	.105	.105	.034	.034	.034	
1.0	.297	.280	.265	.255	.241	.228	.174	.166	.158	.100	.096	.092	.032	.031	.030	
2.0	.286	.257	.232	.245	.221	.201	.168	.153	.140	.097	.089	.082	.031	.029	.027	
3.0	.276	.239	.209	.236	.206	.182	.162	.143	.127	.094	.084	.075	.030	.027	.025	
4.0	.267	.225	.193	.229	.195	.168	.158	.136	.118	.091	.079	.070	.029	.026	.023	
5.0	.260	.215	.181	.223	.186	.157	.154	.130	.111	.089	.076	.066	.029	.025	.022	
6.0	.253	.206	.172	.218	.178	.150	.150	.125	.106	.087	.073	.063	.028	.024	.021	
7.0	.247	.199	.165	.213	.173	.144	.147	.121	.102	.085	.071	.061	.028	.023	.020	
8.0	.242	.193	.160	.208	.168	.140	.144	.118	.099	.084	.069	.059	.027	.023	.020	
9.0	.237	.188	.156	.204	.164	.136	.141	.115	.097	.082	.068	.058	.027	.022	.019	
10.0	.232	.184	.153	.200	.160	.133	.139	.113	.095	.081	.067	.056	.026	.022	.019	

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm											
NAME: 4FT					TYPE:4000K 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	23.4	24.4	23.8	24.8	25.3	22.3	23.3	22.8	23.8	24.2
	3H	23.3	24.2	23.8	24.7	25.2	22.2	23.2	22.7	23.6	24.1
	4H	23.3	24.1	23.8	24.6	25.2	22.2	23.0	22.7	23.5	24.0
	6H	23.2	24.0	23.8	24.5	25.1	22.1	22.9	22.6	23.4	24.0
	8H	23.2	24.0	23.7	24.5	25.1	22.0	22.8	22.6	23.3	23.9
	12H	23.2	23.9	23.7	24.4	25.0	22.0	22.7	22.5	23.2	23.8
4H	2H	23.1	24.0	23.7	24.5	25.0	22.2	23.0	22.7	23.5	24.1
	3H	23.1	23.9	23.7	24.4	25.0	22.1	22.9	22.7	23.4	24.0
	4H	23.2	23.8	23.7	24.4	25.0	22.1	22.8	22.7	23.3	24.0
	6H	23.1	23.7	23.8	24.3	25.0	22.0	22.6	22.7	23.2	23.9
	8H	23.1	23.7	23.8	24.3	25.0	22.0	22.5	22.6	23.1	23.8
	12H	23.1	23.6	23.8	24.2	24.9	22.0	22.4	22.6	23.1	23.8
8H	4H	23.0	23.5	23.7	24.2	24.8	22.0	22.5	22.6	23.1	23.8
	6H	23.0	23.5	23.7	24.1	24.9	22.0	22.4	22.6	23.0	23.8
	8H	23.1	23.4	23.7	24.1	24.9	21.9	22.3	22.6	23.0	23.8
	12H	23.1	23.4	23.8	24.1	24.9	21.9	22.2	22.6	22.9	23.7
12H	4H	23.0	23.4	23.6	24.1	24.8	21.9	22.4	22.6	23.0	23.8
	6H	23.0	23.4	23.7	24.0	24.8	21.9	22.3	22.6	23.0	23.7
	8H	23.0	23.3	23.7	24.0	24.8	21.9	22.2	22.6	22.9	23.7
Variations with the observer position at spacings:											
S = 1.0H	+ 2.1 / - 4.1					+ 2.3 / - 4.6					
1.5H	+ 1.8 / - 3.5					+ 2.1 / - 5.1					
2.0H	+ 4.2 / - 4.4					+ 3.6 / - 4.0					

CIE Pub.117 Corrected 8320 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.4)

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

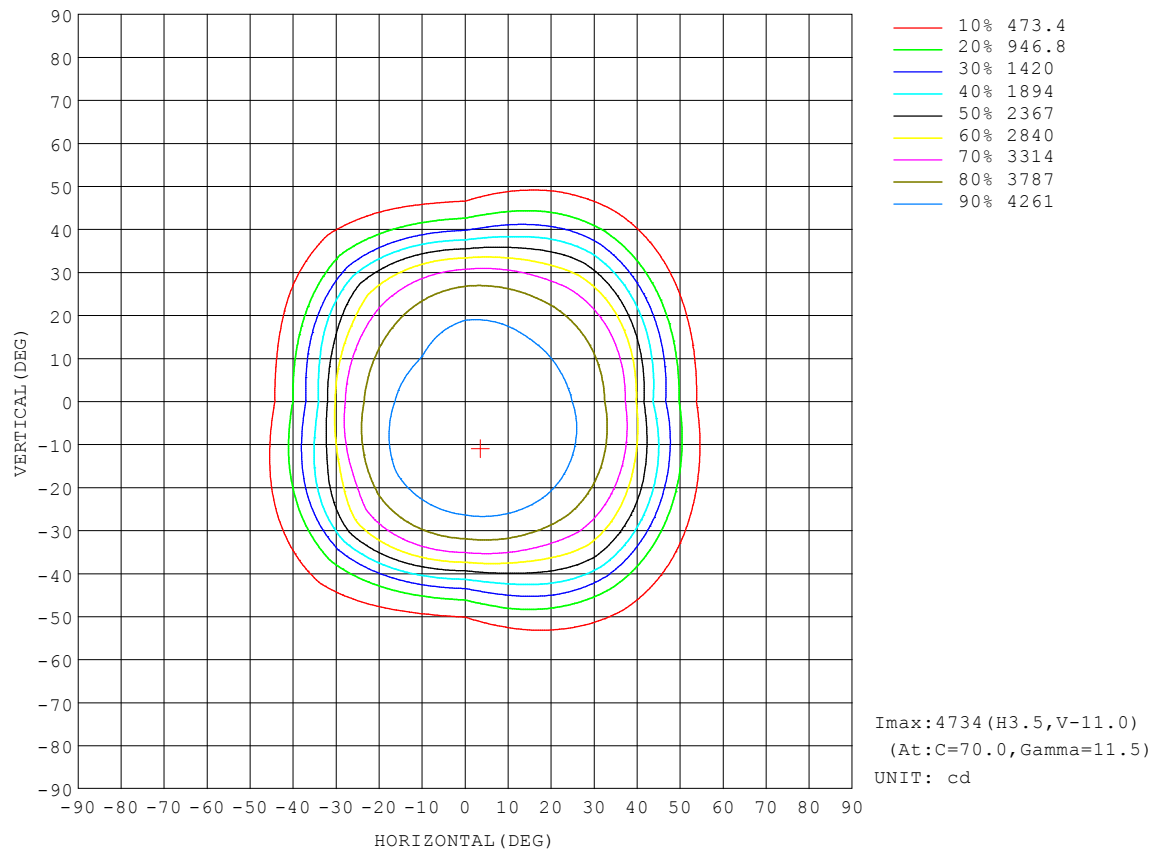
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	61	56	68	60	56	66	59	55	50
0.80	78	70	65	77	69	64	74	68	63	57
1.00	85	77	72	83	76	71	80	75	69	63
1.25	90	83	78	88	81	77	84	79	75	67
1.50	94	87	82	92	85	81	87	82	79	70
2.00	99	93	88	96	91	86	91	87	83	74
2.50	101	96	91	98	93	90	93	89	86	75
3.00	104	99	95	100	96	93	94	91	88	77
4.00	106	102	99	103	99	96	96	94	91	79
5.00	108	105	102	104	101	99	97	95	93	80
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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

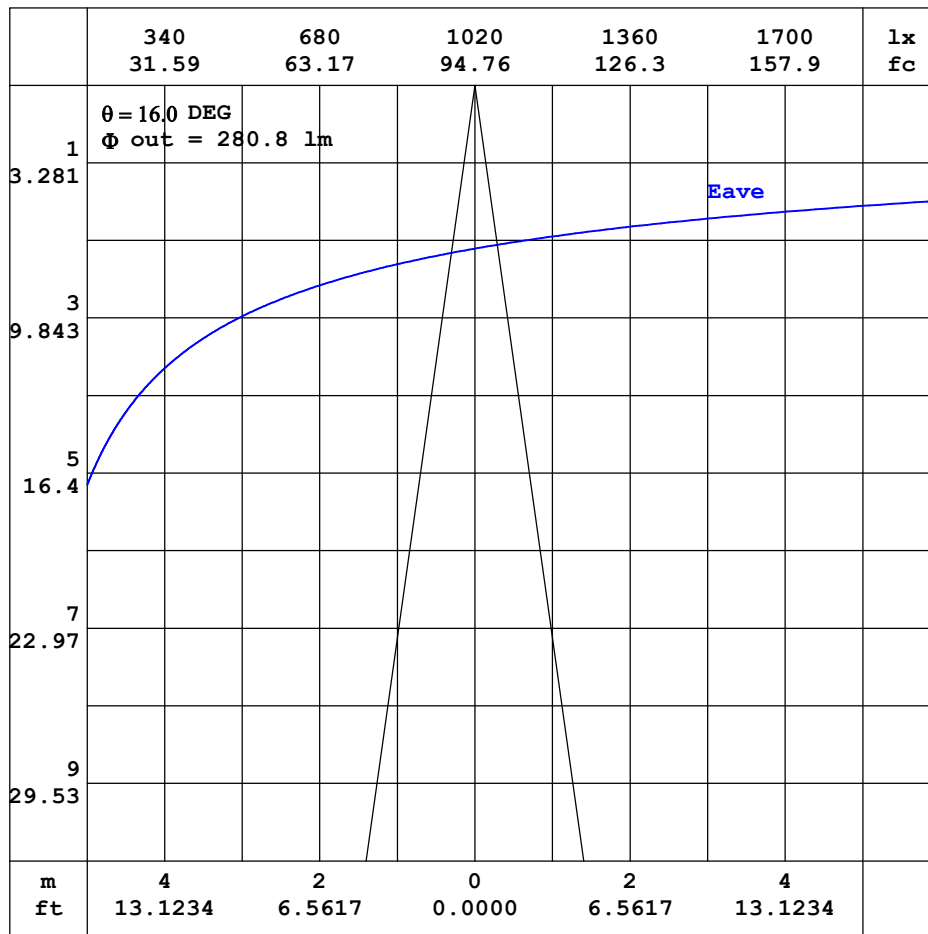


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



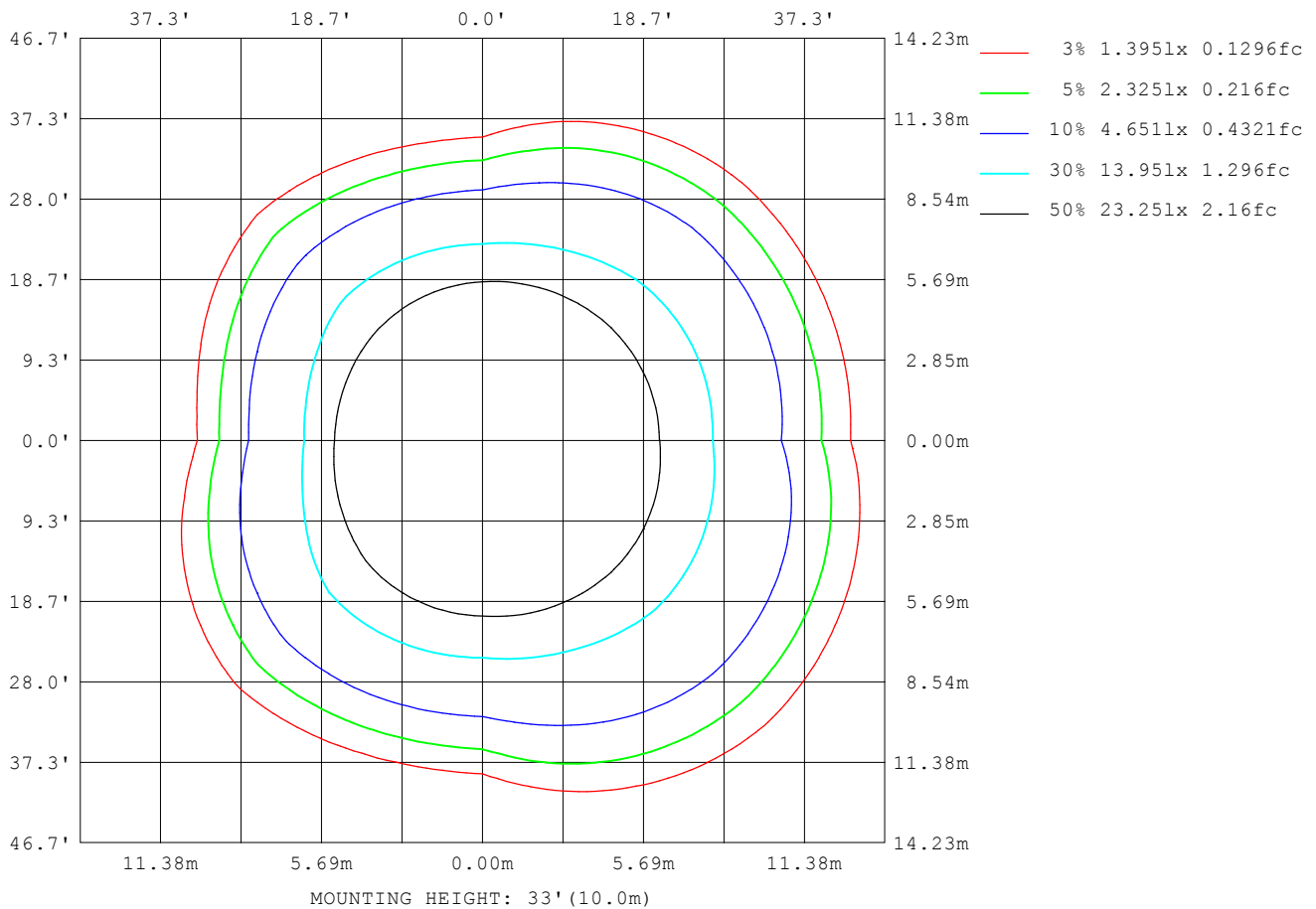
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

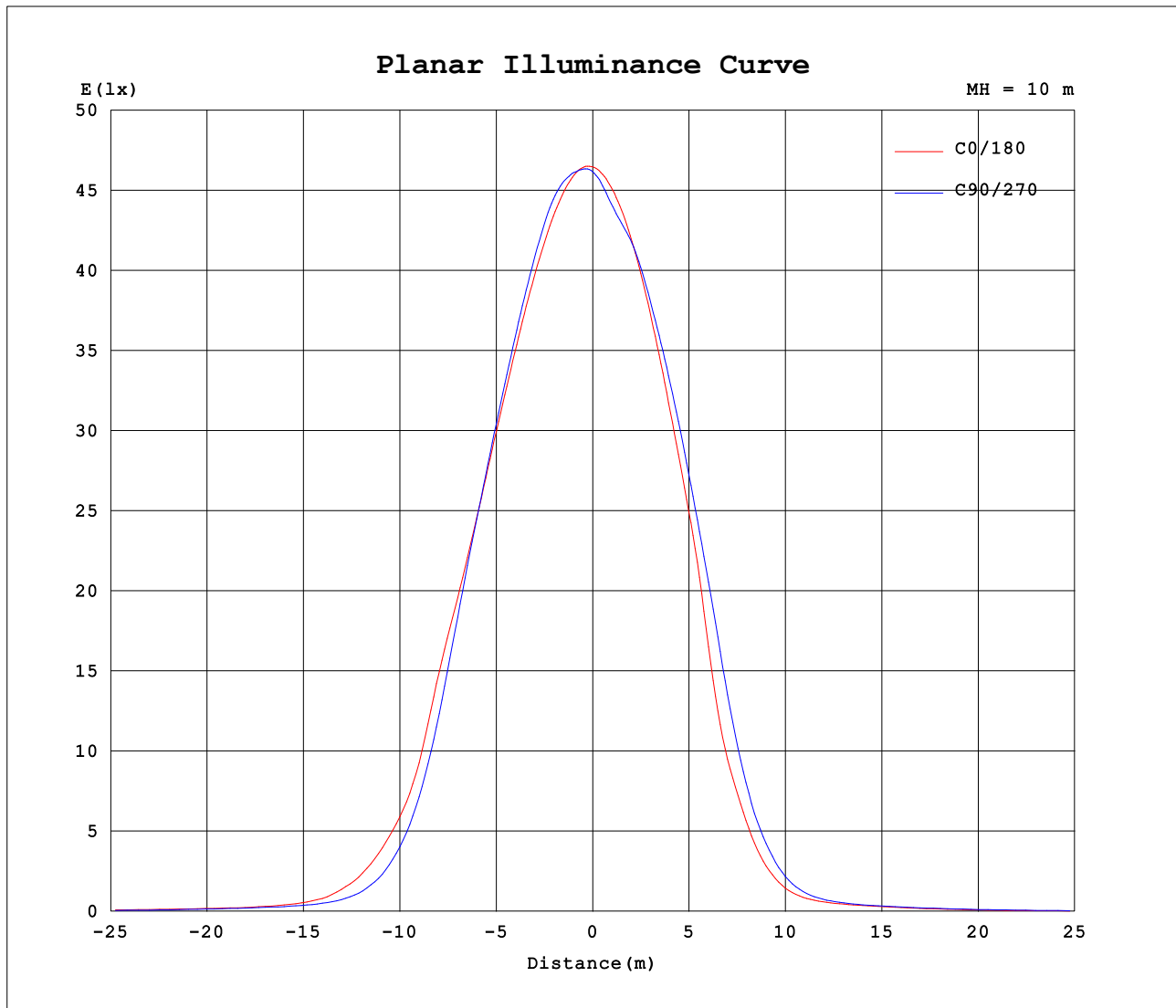
AvgL	cd/m2
L_0~180 (65) av	6393
L_0~180 (75) av	4699
L_0~180 (85) av	3673
L_90~270 (65) av	6232
L_90~270 (75) av	3765
L_90~270 (85) av	2585
L_45 (65) av	6501
L_45 (75) av	4265
L_45 (85) av	3328

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm																	
NAME: 4FT									TYPE:4000K 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	4648	4645	4642	4640	4638	4635	4633	4631	4629	4627	4626	4624	4623	4621	4620	4619	4618	4617	4616
5	4661	4665	4668	4670	4673	4675	4677	4678	4679	4680	4680	4680	4680	4679	4678	4677	4675	4673	4670
10	4627	4640	4653	4664	4675	4685	4693	4701	4708	4713	4719	4723	4726	4728	4729	4729	4728	4725	4721
15	4557	4581	4603	4624	4642	4658	4672	4684	4694	4702	4707	4710	4711	4711	4708	4705	4699	4692	4684
20	4438	4468	4496	4521	4543	4562	4578	4592	4603	4611	4614	4614	4612	4608	4601	4593	4582	4570	4557
25	4257	4290	4321	4348	4371	4391	4408	4421	4431	4438	4438	4435	4429	4420	4409	4396	4380	4362	4343
30	3973	4015	4052	4084	4111	4134	4151	4164	4172	4175	4168	4156	4141	4121	4099	4074	4046	4017	3986
35	3561	3621	3672	3714	3748	3774	3791	3800	3801	3793	3760	3719	3673	3622	3567	3511	3454	3397	3342
40	2793	2916	3020	3106	3174	3223	3255	3268	3263	3240	3151	3048	2934	2812	2686	2560	2437	2321	2215
45	1672	1873	2048	2195	2315	2408	2474	2512	2523	2508	2397	2264	2115	1953	1784	1614	1447	1288	1142
50	908	1056	1184	1292	1380	1447	1495	1522	1528	1515	1430	1329	1216	1093	966	838	713	594	486
55	389	464	528	583	629	664	691	707	714	711	674	629	579	524	467	409	352	298	250
60	234	263	288	310	328	342	352	359	363	362	350	334	317	297	276	255	234	213	194
65	199	203	206	208	210	211	211	211	209	207	203	198	193	187	181	175	169	162	156
70	158	156	155	153	151	149	147	145	142	139	136	133	129	126	122	118	115	111	107
75	104	104	103	103	102	101	99.1	97.4	95.4	93.2	90.1	86.8	83.3	79.7	76.1	72.4	68.8	65.3	61.8
80	59.0	59.2	59.3	59.2	58.8	58.3	57.6	56.7	55.6	54.4	52.5	50.4	48.2	46.0	43.6	41.3	38.9	36.6	34.3
85	30.7	31.2	31.5	31.7	31.7	31.5	31.3	30.8	30.3	29.5	28.4	27.0	25.6	24.2	22.6	21.1	19.5	18.0	16.5
90	19.7	19.2	18.5	17.9	17.2	16.4	15.6	14.8	13.9	13.0	11.7	10.4	9.15	7.89	6.71	5.71	4.80	3.95	3.20
95	41.0	42.4	43.5	44.1	44.4	44.2	43.6	42.7	41.3	39.6	34.8	29.8	24.9	20.1	15.7	11.8	8.80	6.72	5.81
100	90.1	91.3	91.9	92.0	91.4	90.3	88.5	86.2	83.3	79.8	71.6	63.1	54.6	46.5	39.0	32.5	27.3	23.7	22.0
105	128	129	130	129	129	127	125	122	118	114	104	93.4	83.1	73.3	64.2	56.2	49.7	45.1	42.7
110	165	166	167	167	166	165	162	159	154	149	138	126	114	102	91.4	82.0	74.2	68.5	65.4
115	203	206	208	209	208	207	205	201	196	190	177	163	148	135	122	110	100	92.5	87.8
120	245	248	251	252	251	250	247	243	237	231	215	199	183	167	152	138	126	117	110
125	286	289	292	292	292	290	286	281	275	267	250	233	215	197	180	165	152	141	134
130	322	325	327	327	326	323	319	313	306	298	281	263	244	226	209	193	179	167	159
135	355	357	358	357	354	351	346	340	332	323	306	288	269	251	234	218	204	192	183
140	378	379	378	377	374	370	364	358	350	341	324	307	290	272	256	241	227	215	206
145	388	388	387	385	382	378	373	367	359	351	336	321	305	290	275	261	248	237	229
150	389	389	387	385	382	379	374	368	362	355	342	329	316	302	290	278	267	257	250
155	382	382	380	378	376	372	369	364	359	353	343	332	322	311	301	291	282	275	268
160	366	366	366	364	363	361	358	355	351	347	340	332	324	317	309	302	295	289	284
165	349	349	349	349	348	347	346	344	342	339	334	329	324	319	314	309	305	301	297
170	332	333	334	334	334	334	334	333	332	331	328	325	323	320	317	314	311	308	306
175	317	319	320	321	322	322	323	323	323	323	322	321	320	319	317	316	314	313	312
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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	4615	4614	4613	4612	4612	4612	4612	4613	4614	4617	4621	4625	4630	4634	4638	4642	4645	4648	4647
5	4666	4661	4657	4652	4646	4641	4636	4630	4625	4622	4618	4615	4611	4608	4604	4600	4595	4590	4582
10	4713	4704	4694	4683	4671	4659	4645	4631	4617	4604	4590	4576	4561	4547	4533	4518	4504	4489	4472
15	4676	4667	4657	4645	4632	4617	4601	4583	4564	4538	4511	4483	4454	4426	4398	4371	4345	4321	4303
20	4547	4535	4522	4507	4490	4472	4451	4428	4403	4364	4323	4281	4238	4197	4156	4118	4082	4050	4036
25	4327	4310	4291	4270	4247	4221	4192	4161	4127	4072	4014	3956	3898	3841	3786	3735	3688	3646	3633
30	3969	3951	3930	3906	3878	3846	3809	3767	3718	3622	3521	3418	3315	3214	3119	3031	2952	2886	2890
35	3333	3325	3316	3304	3287	3263	3231	3187	3131	2972	2802	2627	2452	2280	2117	1968	1836	1727	1765
40	2219	2233	2254	2278	2302	2322	2334	2336	2322	2180	2024	1859	1691	1523	1360	1207	1069	951	969
45	1128	1129	1141	1162	1187	1214	1239	1259	1270	1183	1086	984	879	774	671	575	488	412	425
50	475	475	486	503	526	552	578	602	622	585	542	496	448	399	352	306	265	229	234
55	245	246	252	261	272	285	299	312	324	312	299	284	267	251	234	218	203	189	188
60	189	185	183	182	182	182	183	184	185	181	176	171	167	162	157	152	148	144	143
65	152	149	145	142	139	136	132	129	126	122	118	114	109	106	102	98.6	95.6	93.1	92.2
70	104	101	97.9	94.8	91.7	88.7	85.7	82.7	79.6	75.8	72.1	68.5	64.9	61.6	58.5	55.7	53.3	51.2	50.6
75	59.4	57.2	55.1	53.1	51.2	49.3	47.6	45.9	44.2	41.9	39.7	37.5	35.4	33.4	31.6	30.0	28.5	27.3	26.8
80	32.8	31.3	30.0	28.7	27.4	26.2	25.1	23.9	22.8	21.3	19.9	18.4	17.1	15.8	14.6	13.5	12.5	11.7	11.4
85	15.5	14.6	13.7	12.9	12.1	11.4	10.7	10.0	9.40	8.61	7.85	7.13	6.44	5.80	5.21	4.69	4.23	3.84	3.71
90	3.43	3.84	4.40	5.10	5.92	6.82	7.80	8.81	9.85	10.4	10.9	11.5	12.1	12.8	13.6	14.4	15.4	16.5	19.1
95	12.1	19.6	27.9	36.8	46.1	55.6	64.9	73.9	82.3	85.1	87.1	88.6	89.5	90.1	90.4	90.5	90.6	90.7	95.2
100	31.4	42.7	55.4	69.3	84.0	99.1	114	129	143	152	159	165	170	174	178	180	182	183	184
105	53.3	66.1	80.6	96.6	113	131	149	166	183	193	202	211	218	224	229	232	235	237	237
110	76.8	90.8	107	124	143	163	182	202	221	233	244	254	262	270	276	280	284	285	285
115	99.4	114	131	149	169	190	211	232	253	267	280	291	302	310	318	324	328	330	329
120	122	136	153	172	193	215	237	259	281	296	310	323	335	345	353	360	365	368	365
125	144	158	175	193	214	235	258	280	302	318	333	347	359	370	379	387	392	395	391
130	168	180	195	212	231	251	272	293	314	330	346	360	374	385	395	403	409	413	408
135	190	200	213	228	244	262	281	300	319	335	351	365	379	391	401	410	416	420	414
140	211	219	230	242	256	271	287	303	320	334	349	362	375	386	396	404	410	414	408
145	232	238	246	255	266	278	291	304	318	330	342	353	364	373	381	388	394	397	392
150	252	255	261	268	276	284	294	304	314	323	332	341	349	356	363	368	372	375	371
155	269	271	275	279	284	290	297	304	311	317	323	329	335	340	344	348	351	353	350
160	284	285	287	289	292	295	299	303	308	311	315	319	323	326	329	331	333	334	332
165	296	296	296	297	298	300	302	303	306	307	309	311	313	315	316	317	319	319	318
170	305	304	304	304	304	304	304	304	305	306	306	307	307	308	309	309	310	310	310
175	311	310	309	308	308	307	307	306	306	306	306	306	306	306	306	306	307	307	307
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm		
NAME: 4FT	TYPE:4000K 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	4646	4644	4642	4639	4636	4633	4630	4627	4626	4624	4623	4621	4620	4619	4618	4617	4616	4615	4614
5	4574	4565	4556	4547	4538	4529	4521	4514	4508	4503	4499	4496	4493	4491	4490	4490	4491	4493	4495
10	4455	4438	4423	4408	4395	4384	4374	4367	4369	4374	4381	4389	4398	4408	4418	4427	4437	4437	4436
15	4287	4274	4262	4254	4247	4243	4241	4242	4253	4266	4281	4297	4314	4331	4348	4364	4379	4381	4383
20	4025	4018	4015	4015	4019	4025	4034	4045	4061	4078	4097	4117	4137	4157	4178	4198	4217	4226	4234
25	3625	3624	3627	3635	3647	3663	3682	3704	3727	3751	3777	3804	3832	3860	3888	3915	3941	3958	3973
30	2906	2934	2970	3013	3062	3115	3169	3223	3246	3267	3287	3307	3326	3346	3367	3389	3412	3450	3489
35	1826	1906	2001	2106	2216	2329	2439	2542	2544	2537	2524	2508	2490	2474	2462	2457	2461	2537	2624
40	1008	1064	1132	1210	1294	1379	1462	1539	1517	1489	1457	1425	1395	1371	1356	1352	1363	1478	1607
45	450	485	528	577	629	682	732	779	754	725	695	665	639	618	606	604	616	721	838
50	245	261	281	303	326	349	371	391	376	359	341	323	308	296	288	286	291	343	401
55	189	191	195	199	204	209	214	220	216	212	208	204	202	201	201	204	208	228	250
60	142	141	141	142	143	144	145	147	149	151	153	156	159	162	166	170	174	181	188
65	91.8	91.8	92.2	93.0	94.2	95.7	97.6	99.7	102	105	108	111	114	117	121	125	128	132	135
70	50.4	50.6	51.1	52.0	53.1	54.5	56.1	58.0	59.6	61.4	63.3	65.5	67.8	70.3	72.9	75.7	78.7	81.9	85.3
75	26.6	26.6	26.9	27.3	27.9	28.6	29.5	30.5	31.4	32.4	33.5	34.8	36.2	37.8	39.5	41.4	43.4	45.9	48.5
80	11.3	11.3	11.4	11.7	12.1	12.6	13.1	13.8	14.4	15.0	15.7	16.5	17.4	18.4	19.5	20.7	22.0	23.5	25.1
85	3.65	3.66	3.73	3.86	4.04	4.26	4.52	4.82	4.94	5.10	5.30	5.54	5.85	6.23	6.67	7.20	7.83	8.79	9.84
90	21.7	24.4	26.9	29.2	31.2	32.8	34.0	34.6	31.5	27.9	23.9	19.7	15.5	11.3	7.27	3.61	0.44	0.95	2.00
95	99.6	104	108	111	113	115	115	114	104	92.1	79.8	67.1	54.3	41.9	30.2	19.6	10.4	12.1	15.3
100	185	184	183	181	177	172	167	159	145	129	113	96.8	80.9	65.7	51.7	39.2	28.7	30.7	34.7
105	237	235	232	227	222	215	207	198	181	163	144	126	108	91.3	75.7	61.9	50.4	52.8	57.6
110	283	280	276	270	263	254	244	232	214	194	174	154	134	116	99.5	85.0	73.0	76.5	82.6
115	326	321	315	307	297	287	274	261	241	220	199	178	158	139	122	107	95.3	100	108
120	360	354	346	336	325	312	298	283	262	241	220	199	179	160	144	130	119	124	133
125	385	377	367	356	343	329	314	298	277	257	236	216	198	181	166	153	143	150	159
130	401	391	380	368	353	338	322	305	286	267	248	231	214	199	186	175	167	174	184
135	406	396	384	371	357	341	325	309	292	275	258	243	229	216	205	197	191	198	208
140	400	391	379	367	353	339	324	309	294	280	266	254	242	233	224	218	214	221	229
145	385	377	367	356	344	332	320	307	296	284	274	264	256	248	242	238	235	241	249
150	365	359	351	343	334	324	315	305	297	289	281	275	269	264	260	257	256	261	268
155	346	341	336	330	324	317	311	304	298	293	288	284	280	277	275	274	274	278	283
160	330	327	323	320	316	312	308	304	301	298	295	293	291	290	289	288	289	291	295
165	317	316	314	312	310	309	307	305	304	302	301	301	300	300	300	300	300	302	304
170	310	310	309	309	308	308	307	307	307	307	307	307	307	308	308	309	309	310	310
175	308	308	308	309	309	310	310	311	311	312	312	312	313	313	313	314	314	313	313
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8320.21x1 lm																	
NAME: 4FT									TYPE:4000K 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	4613	4612	4612	4612	4612	4613	4614	4616	4618	4621	4624	4628	4632	4637	4642				
5	4499	4504	4509	4515	4523	4531	4540	4550	4561	4572	4585	4598	4613	4628	4644				
10	4435	4434	4434	4435	4437	4440	4445	4457	4471	4487	4505	4525	4547	4572	4598				
15	4383	4383	4383	4383	4384	4386	4390	4401	4414	4428	4445	4464	4484	4507	4531				
20	4241	4248	4255	4261	4268	4275	4284	4296	4310	4325	4341	4359	4377	4396	4417				
25	3988	4002	4015	4028	4042	4056	4070	4088	4106	4126	4146	4166	4188	4210	4233				
30	3529	3570	3611	3652	3692	3732	3770	3800	3828	3855	3879	3902	3922	3941	3958				
35	2718	2816	2918	3021	3123	3222	3315	3372	3422	3465	3499	3527	3547	3559	3564				
40	1747	1895	2046	2198	2346	2489	2621	2694	2753	2799	2832	2851	2856	2849	2828				
45	964	1096	1230	1363	1492	1613	1723	1775	1812	1835	1843	1838	1818	1783	1735				
50	465	532	600	669	736	800	859	890	915	933	945	951	949	942	928				
55	273	298	322	346	370	391	411	419	425	428	429	426	421	413	403				
60	195	203	210	217	223	229	235	238	240	241	242	242	241	240	237				
65	138	142	145	149	152	156	160	164	168	172	176	181	185	189	194				
70	88.8	92.5	96.3	100	104	109	113	117	122	127	132	137	142	147	152				
75	51.3	54.2	57.2	60.4	63.7	67.0	70.5	73.9	77.4	81.0	84.6	88.4	92.2	96.1	100				
80	26.8	28.6	30.5	32.5	34.5	36.6	38.7	40.8	42.9	45.1	47.3	49.5	51.8	54.2	56.5				
85	11.0	12.2	13.4	14.8	16.1	17.5	18.9	20.2	21.5	22.7	24.1	25.4	26.7	28.0	29.4				
90	3.50	5.36	7.49	9.80	12.2	14.6	17.0	18.0	18.8	19.4	19.9	20.2	20.3	20.3	20.1				
95	19.7	25.2	31.3	37.9	44.5	51.0	56.9	58.2	58.8	58.6	57.6	55.8	53.2	49.9	45.8				
100	40.4	47.5	55.5	64.1	73.0	81.9	90.3	93.3	95.6	97.1	97.8	97.8	97.0	95.5	93.1				
105	64.3	72.5	81.9	92.0	102	113	123	127	130	132	133	134	134	133	131				
110	90.8	101	112	124	136	148	160	165	168	171	172	173	172	171	168				
115	118	129	142	156	170	184	197	203	207	210	212	212	212	210	207				
120	144	157	171	186	201	216	231	237	242	246	249	251	251	250	248				
125	171	185	200	215	231	247	263	270	276	281	285	287	289	289	288				
130	195	209	224	240	256	272	288	296	303	309	313	317	320	322	322				
135	219	233	247	262	278	294	309	318	325	332	338	344	348	351	354				
140	240	252	265	279	294	308	322	331	339	347	354	360	365	370	375				
145	258	268	280	292	304	317	329	337	345	352	359	366	372	378	383				
150	275	284	293	303	313	323	333	340	347	354	361	367	373	378	384				
155	288	295	302	309	317	325	332	338	344	350	356	361	367	372	377				
160	298	303	307	312	317	323	328	332	337	341	345	349	354	358	362				
165	307	309	312	315	318	321	324	327	329	332	335	338	340	343	346				
170	311	312	313	314	315	316	317	319	320	322	323	325	326	328	330				
175	313	313	312	312	312	312	311	312	312	312	313	314	314	315	316				
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302				

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: