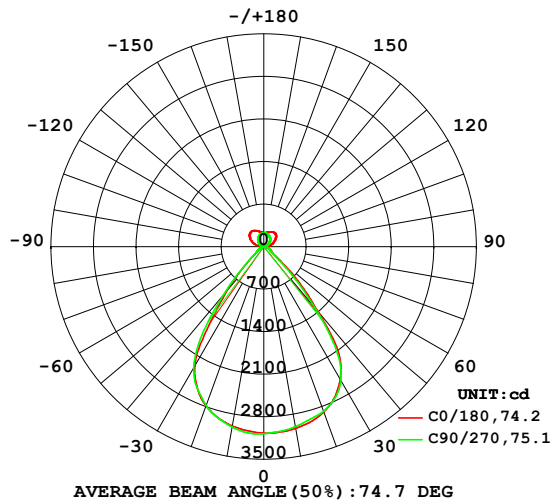


LUMINAIRE PHOTOMETRIC TEST REPORT

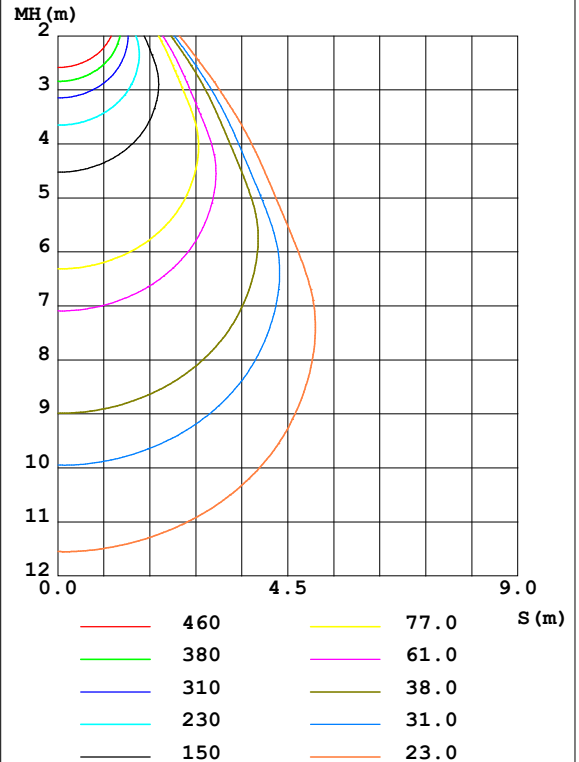
Test:U:120.8V I:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.29 lm/W			
MODEL		I _{max} (cd)	3087	S/MH(C0/180)	1.13
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5563.9	η UP,DN(C0-180)	9.0,42.9
NOMINAL FLUX(lm)	5563.86	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.2,38.9
LAMPS INSIDE	1	η up(%)	18.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	81.8	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:

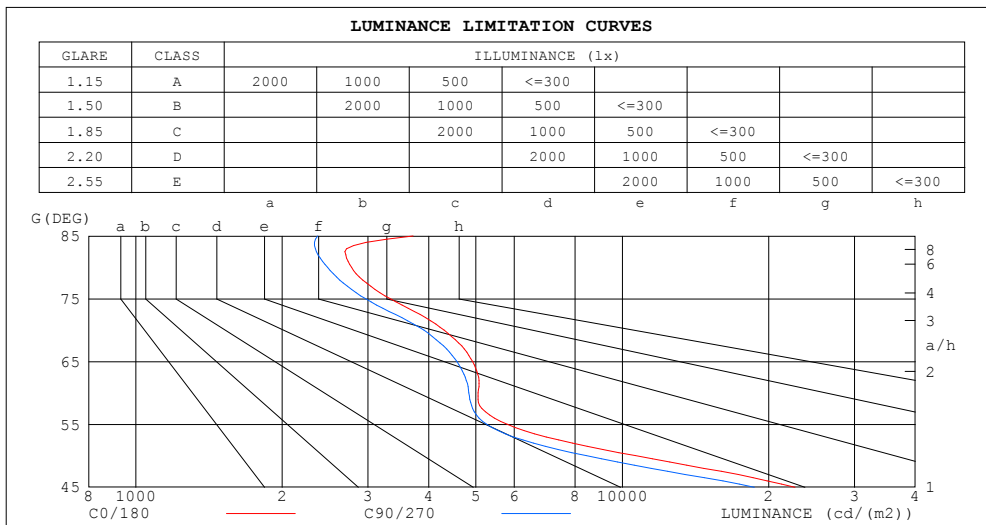
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3034	3020	3007	3008	2995	3016	3013	3034	0- 10	290.7	290.7	5.23,5.23
20	2893	2863	2881	2825	2785	2777	2781	2824	10- 20	828.4	1119	20.1,20.1
30	2518	2570	2540	2487	2273	2293	2306	2390	20- 30	1222	2341	42.1,42.1
40	1374	1894	1306	1729	927.4	1384	1021	1587	30- 40	1228	3570	64.2,64.2
50	342.3	645.0	271.0	498.8	193.5	353.2	200.4	440.1	40- 50	645.2	4215	75.8,75.8
60	126.4	166.9	120.9	142.3	110.9	113.9	114.0	128.8	50- 60	192.2	4407	79.2,79.2
70	73.60	72.20	66.92	65.39	49.48	52.55	55.02	60.53	60- 70	92.08	4499	80.9,80.9
80	24.11	24.71	21.51	22.48	14.15	16.08	16.72	19.36	70- 80	39.77	4539	81.6,81.6
90	30.12	17.11	3.062	6.125	2.525	11.14	1.559	29.91	80- 90	13.11	4552	81.8,81.8
100	95.67	69.95	19.00	97.78	89.19	106.3	23.11	82.14	90-100	44.02	4596	82.6,82.6
110	149.1	121.5	52.15	166.5	192.4	168.3	55.83	133.9	100-110	108.1	4704	84.5,84.5
120	208.7	171.8	87.39	222.9	262.0	217.3	89.44	184.4	110-120	154.6	4859	87.3,87.3
130	261.4	205.8	123.3	257.5	310.9	244.2	123.7	216.1	120-130	179.3	5038	90.5,90.5
140	287.5	223.7	158.4	266.6	327.6	250.2	156.8	230.0	130-140	176.6	5215	93.7,93.7
150	280.4	229.5	188.0	259.4	308.6	246.1	186.8	232.8	140-150	150.4	5365	96.4,96.4
160	256.3	230.5	209.5	246.0	272.3	238.6	210.6	231.3	150-160	110.5	5475	98.4,98.4
170	236.8	229.5	224.1	235.1	242.1	232.4	225.2	229.3	160-170	66.36	5542	99.6,99.6
180	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	170-180	22.04	5564	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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3718	2366
80	2777	2478
75	3338	2969
70	4304	3913
65	4923	4572
60	5056	4838
55	5799	5266
50	10651	8432
45	22642	18685

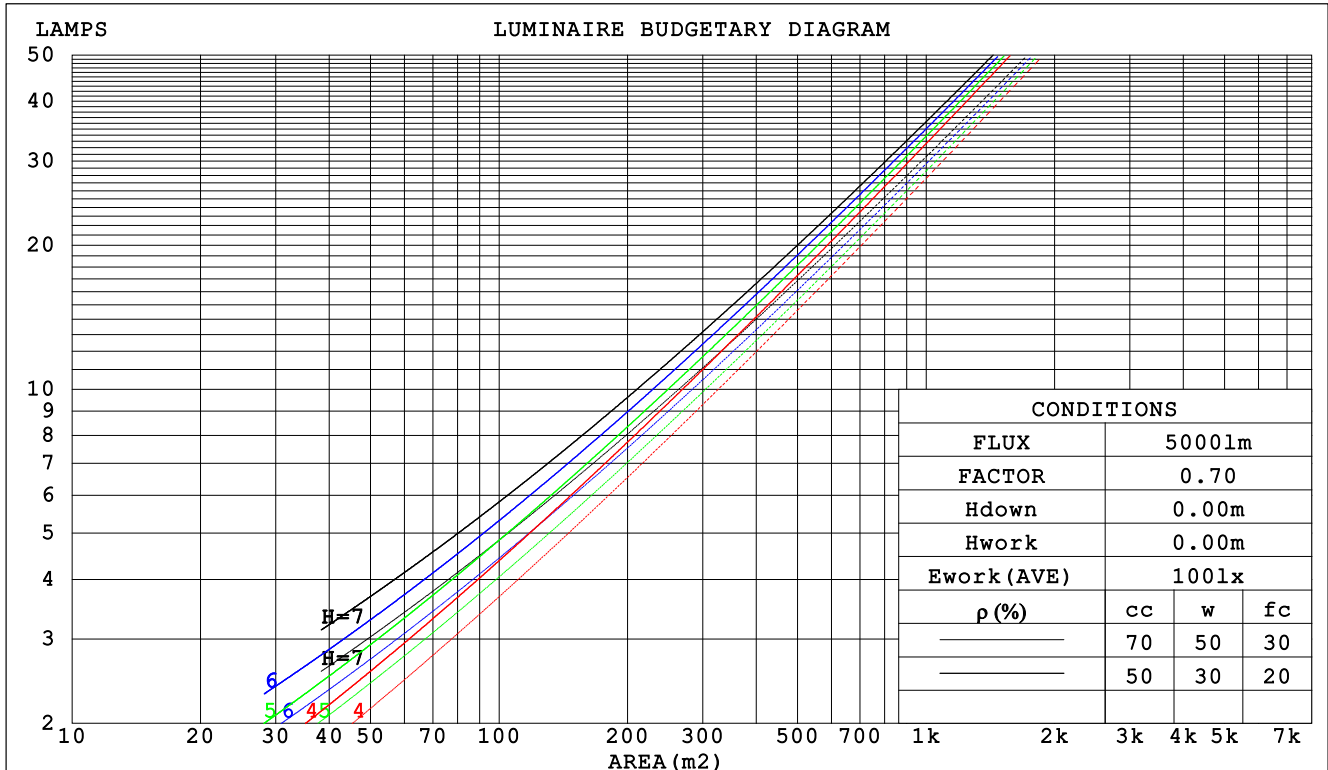
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	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	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.82
1.0	1.04	1.01	.99	1.00	.98	.95	.93	.91	.89	.86	.85	.83	.80	.79	.78	.75
2.0	.95	.90	.86	.91	.87	.83	.85	.82	.79	.79	.77	.74	.74	.72	.70	.67
3.0	.86	.80	.75	.83	.78	.74	.78	.74	.70	.73	.70	.67	.69	.66	.64	.61
4.0	.79	.72	.67	.76	.70	.66	.72	.67	.63	.68	.63	.60	.64	.60	.58	.55
5.0	.72	.65	.60	.70	.64	.59	.66	.61	.57	.62	.58	.55	.59	.55	.52	.50
6.0	.66	.59	.54	.64	.58	.53	.61	.56	.51	.58	.53	.50	.55	.51	.48	.46
7.0	.61	.54	.49	.60	.53	.48	.57	.51	.47	.54	.49	.45	.51	.47	.44	.42
8.0	.57	.50	.45	.55	.49	.44	.53	.47	.43	.50	.45	.42	.48	.44	.40	.39
9.0	.53	.46	.41	.51	.45	.41	.49	.43	.39	.47	.42	.38	.45	.40	.37	.36
10.0	.49	.42	.38	.48	.42	.37	.46	.40	.36	.44	.39	.35	.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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm					
NAME: 4FT			TYPE:3500K 2.8		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	.206	.117	.037	.183	.105	.033	.162	.093	.030	.142	.082	.027		
2.0	.209	.114	.035	.198	.109	.034	.177	.099	.031	.158	.089	.028	.141	.080	.025		
3.0	.198	.105	.032	.188	.101	.030	.170	.092	.028	.153	.084	.026	.137	.076	.023		
4.0	.187	.097	.029	.178	.093	.028	.162	.086	.026	.146	.079	.024	.132	.072	.022		
5.0	.177	.090	.026	.169	.087	.025	.154	.080	.024	.140	.074	.022	.127	.068	.020		
6.0	.168	.084	.024	.160	.081	.023	.147	.075	.022	.134	.069	.020	.122	.064	.019		
7.0	.159	.079	.022	.152	.076	.022	.140	.071	.020	.128	.066	.019	.117	.061	.018		
8.0	.151	.074	.021	.145	.071	.020	.133	.067	.019	.122	.062	.018	.112	.058	.017		
9.0	.143	.069	.019	.138	.067	.019	.127	.063	.018	.117	.059	.017	.108	.055	.016		
10.0	.137	.066	.018	.131	.064	.018	.122	.060	.017	.112	.056	.016	.103	.052	.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	.329	.329	.329	.281	.281	.281	.192	.192	.192	.110	.110	.110	.035	.035	.035	
1.0	.314	.297	.281	.268	.255	.242	.184	.175	.167	.106	.101	.097	.034	.033	.031	
2.0	.302	.273	.249	.258	.235	.215	.177	.163	.150	.102	.095	.088	.033	.031	.029	
3.0	.292	.255	.226	.250	.220	.196	.172	.153	.137	.099	.089	.081	.032	.029	.027	
4.0	.284	.242	.210	.243	.209	.182	.167	.146	.128	.097	.085	.076	.031	.028	.025	
5.0	.276	.231	.198	.237	.200	.172	.163	.140	.121	.095	.082	.072	.031	.027	.024	
6.0	.270	.223	.189	.232	.193	.164	.160	.135	.116	.093	.079	.069	.030	.026	.023	
7.0	.264	.216	.182	.227	.187	.159	.157	.131	.112	.091	.077	.067	.029	.025	.022	
8.0	.258	.210	.177	.222	.182	.154	.154	.128	.109	.089	.075	.065	.029	.025	.022	
9.0	.253	.205	.173	.218	.178	.151	.151	.125	.107	.088	.074	.064	.029	.024	.021	
10.0	.249	.201	.169	.214	.175	.148	.149	.123	.105	.087	.073	.063	.028	.024	.021	

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm											
NAME: 4FT					TYPE:3500K 2.8			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					SUR.:1.12*0.045			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	20.4	21.4	20.9	21.8	22.3	19.8	20.8	20.3	21.2	21.7
	3H	20.3	21.2	20.8	21.7	22.2	19.7	20.6	20.2	21.1	21.6
	4H	20.2	21.1	20.8	21.6	22.2	19.6	20.5	20.2	21.0	21.6
	6H	20.2	20.9	20.7	21.5	22.1	19.6	20.3	20.1	20.9	21.5
	8H	20.1	20.9	20.7	21.4	22.0	19.5	20.3	20.1	20.8	21.4
	12H	20.1	20.8	20.7	21.3	22.0	19.5	20.2	20.1	20.7	21.4
4H	2H	20.1	21.0	20.7	21.5	22.1	19.6	20.4	20.1	20.9	21.5
	3H	20.1	20.8	20.7	21.4	22.0	19.5	20.3	20.1	20.8	21.4
	4H	20.1	20.7	20.7	21.3	22.0	19.5	20.2	20.1	20.7	21.4
	6H	20.0	20.6	20.7	21.2	21.9	19.5	20.0	20.1	20.6	21.3
	8H	20.0	20.5	20.6	21.1	21.9	19.4	19.9	20.1	20.6	21.3
	12H	20.0	20.4	20.6	21.1	21.8	19.4	19.8	20.0	20.5	21.2
8H	4H	19.9	20.4	20.6	21.1	21.8	19.4	19.9	20.0	20.5	21.3
	6H	19.9	20.3	20.6	21.0	21.8	19.3	19.8	20.0	20.4	21.2
	8H	19.9	20.2	20.6	20.9	21.7	19.3	19.7	20.0	20.4	21.2
	12H	19.9	20.2	20.6	20.9	21.7	19.3	19.6	20.0	20.3	21.2
12H	4H	19.9	20.3	20.5	21.0	21.7	19.3	19.8	20.0	20.4	21.2
	6H	19.8	20.2	20.6	20.9	21.7	19.3	19.7	20.0	20.4	21.2
	8H	19.8	20.1	20.6	20.9	21.7	19.3	19.6	20.0	20.3	21.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.4 / - 5.0					+ 2.3 / - 4.9					
1.5H	+ 2.5 / - 4.9					+ 2.7 / - 5.1					
2.0H	+ 4.7 / - 3.8					+ 4.1 / - 3.2					

CIE Pub.117 Corrected 5564 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

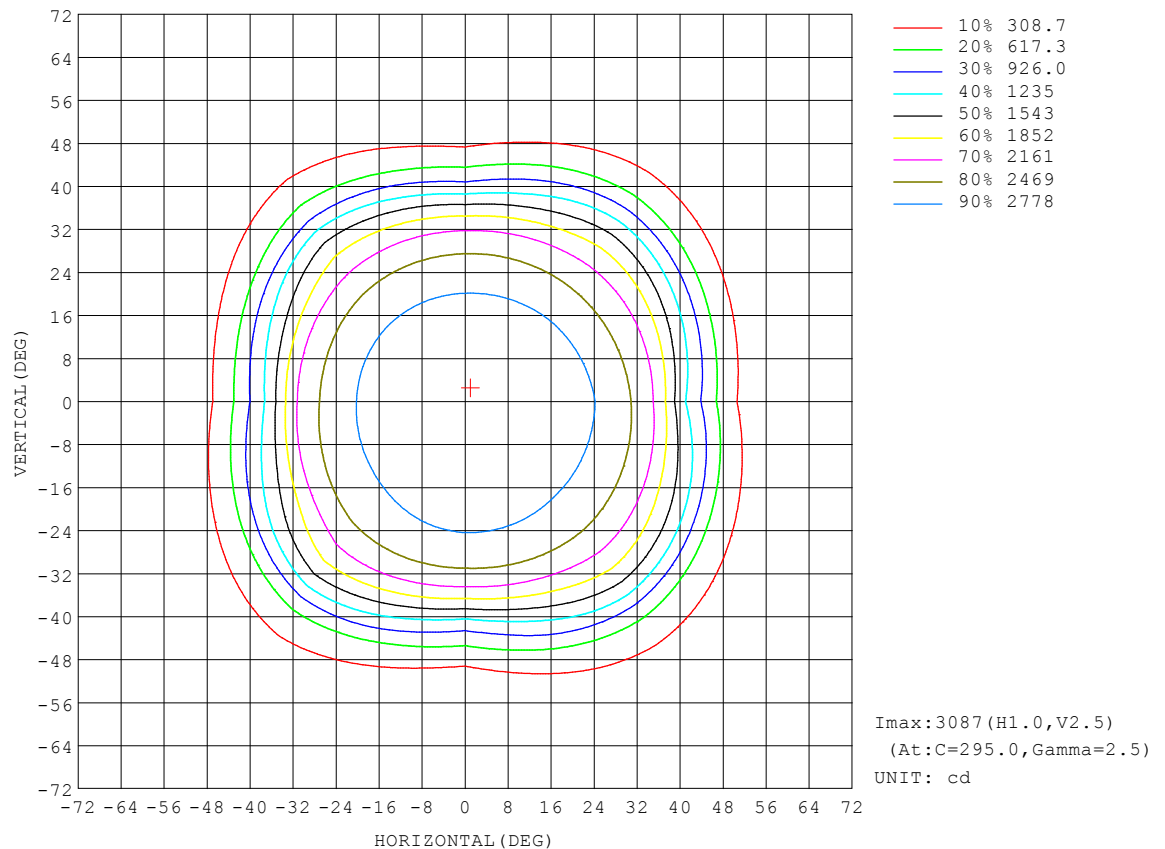
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	61	56	68	60	55	66	59	55	49
0.80	78	70	64	76	69	64	73	67	63	57
1.00	84	76	71	82	75	70	79	74	69	62
1.25	90	82	77	87	81	76	83	78	74	66
1.50	94	86	82	91	85	80	86	81	78	69
2.00	98	92	87	95	90	86	90	85	82	72
2.50	101	95	91	98	93	89	91	88	85	74
3.00	103	98	94	100	95	92	93	90	87	75
4.00	106	102	98	102	99	96	95	92	90	77
5.00	108	104	101	104	101	98	96	94	92	78
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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

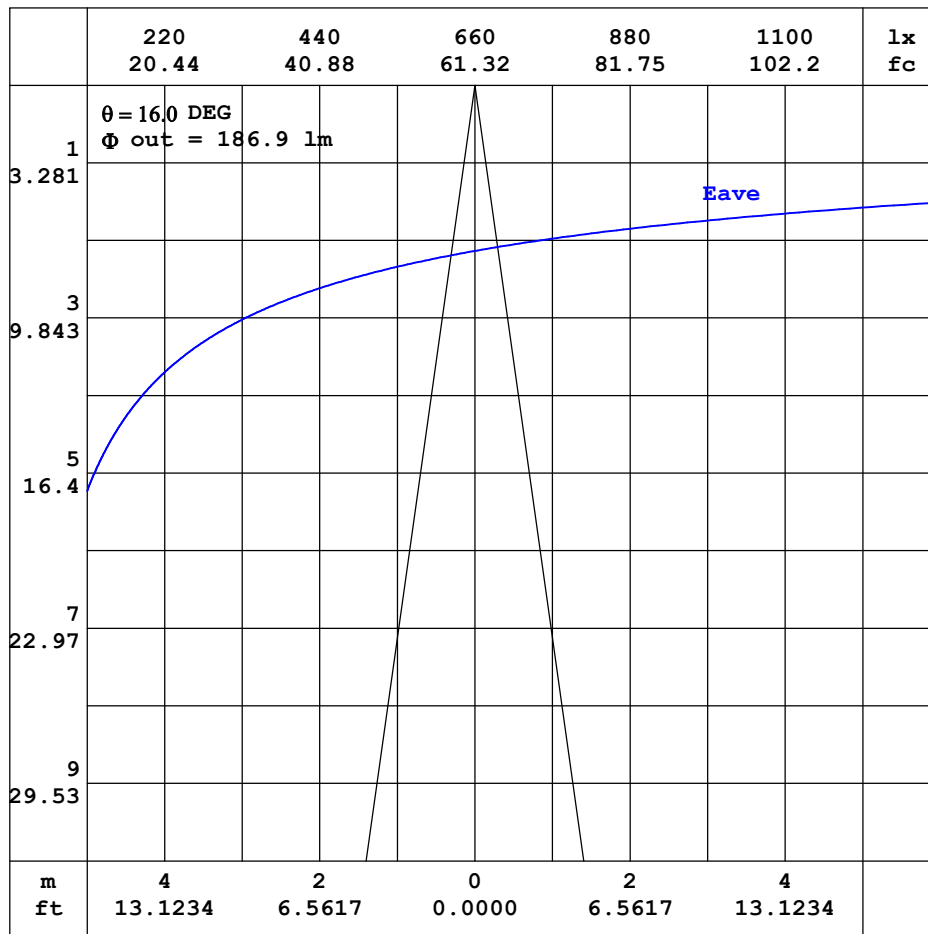


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



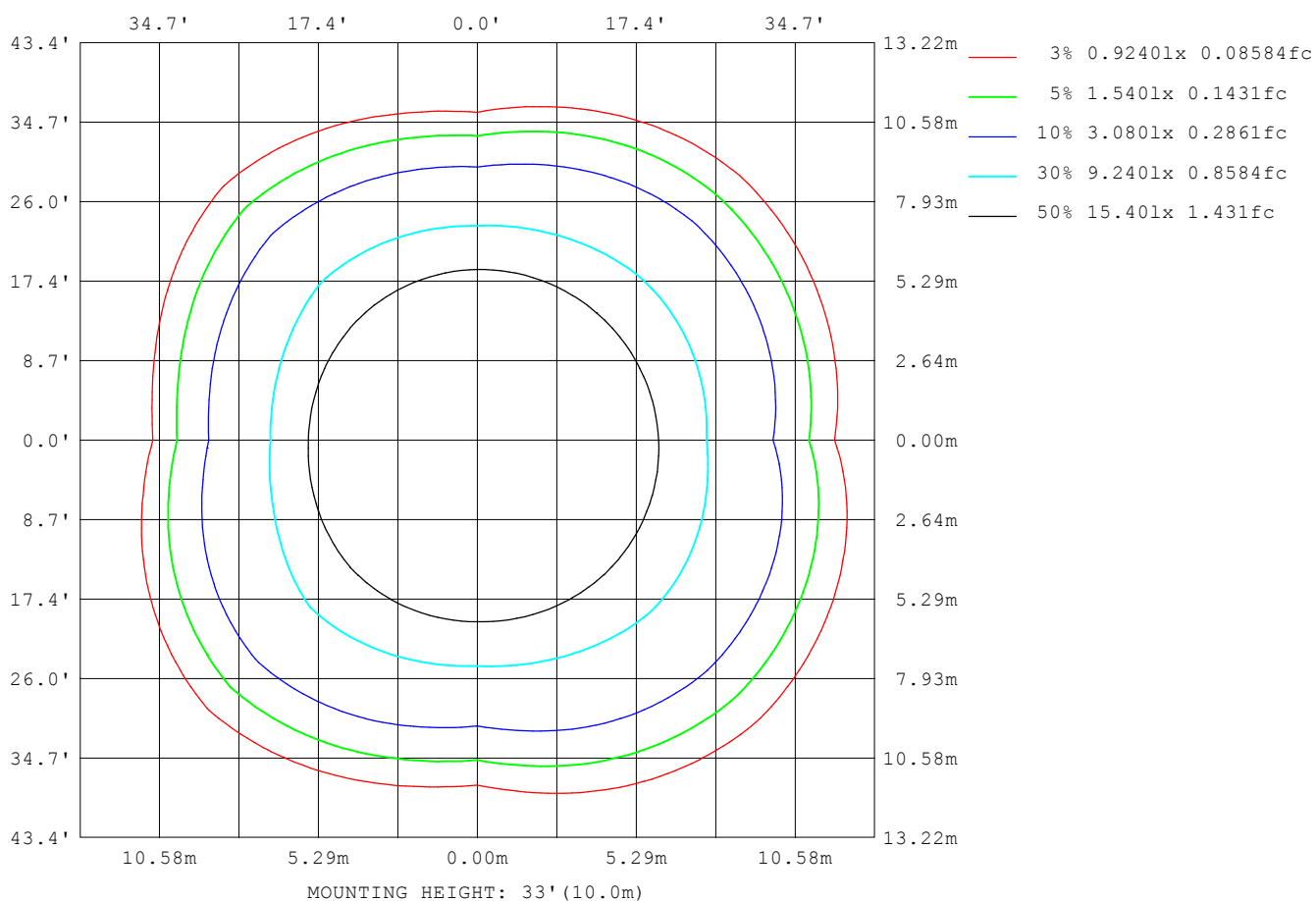
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

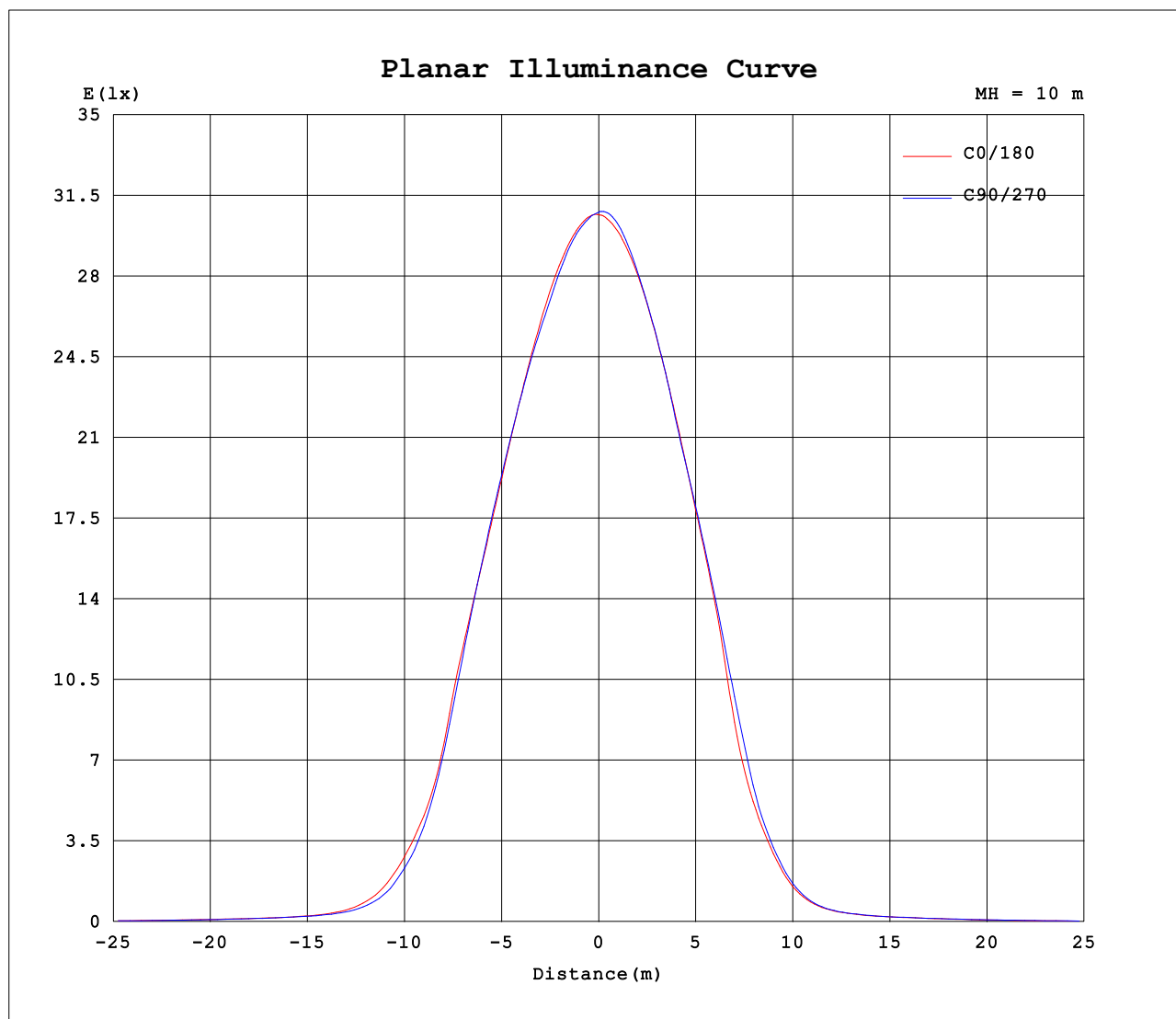
AvgL	cd/m2
L_0~180 (65) av	4390
L_0~180 (75) av	2730
L_0~180 (85) av	2473
L_90~270 (65) av	4343
L_90~270 (75) av	2692
L_90~270 (85) av	1932
L_45 (65) av	4386
L_45 (75) av	2881
L_45 (85) av	2425

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						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	3067	3067	3067	3067	3068	3068	3069	3069	3070	3070	3071	3072	3073	3074	3075	3076	3077	3077	3078
5	3063	3062	3061	3060	3059	3058	3058	3057	3056	3055	3054	3054	3053	3052	3052	3051	3051	3051	3050
10	3034	3033	3031	3029	3028	3026	3025	3023	3021	3020	3018	3016	3015	3013	3012	3010	3009	3008	3007
15	2983	2979	2975	2971	2967	2964	2960	2957	2955	2952	2950	2949	2947	2946	2945	2944	2943	2942	2942
20	2893	2887	2882	2878	2874	2870	2867	2865	2864	2863	2864	2867	2869	2872	2874	2877	2879	2880	2881
25	2748	2748	2749	2750	2750	2751	2752	2752	2753	2754	2756	2758	2760	2761	2762	2763	2763	2762	2761
30	2518	2528	2537	2545	2551	2557	2562	2566	2568	2570	2570	2568	2566	2563	2559	2555	2550	2545	2540
35	2160	2191	2219	2242	2261	2276	2287	2293	2296	2294	2276	2256	2232	2208	2182	2157	2132	2110	2090
40	1374	1487	1585	1671	1742	1800	1844	1874	1891	1894	1845	1785	1717	1644	1568	1494	1424	1360	1306
45	801	918	1021	1108	1182	1240	1284	1313	1327	1327	1270	1201	1124	1042	958	874	795	723	661
50	342	409	468	518	560	594	619	636	645	645	613	575	532	486	439	392	347	306	271
55	166	198	225	249	269	285	297	306	311	312	299	283	264	244	224	204	184	166	151
60	126	135	143	150	155	160	163	165	167	167	163	159	154	148	142	136	131	126	121
65	104	104	104	104	104	104	104	103	103	103	102	101	101	100.0	99.3	98.5	97.8	97.2	96.6
70	73.6	73.6	73.6	73.6	73.5	73.3	73.1	72.8	72.5	72.2	71.7	71.1	70.5	69.9	69.3	68.6	68.0	67.5	66.9
75	43.2	43.7	44.1	44.4	44.6	44.7	44.8	44.7	44.6	44.4	43.8	43.2	42.5	41.8	41.1	40.3	39.6	39.0	38.4
80	24.1	24.4	24.6	24.7	24.8	24.9	24.9	24.9	24.8	24.7	24.4	24.0	23.7	23.3	22.9	22.5	22.1	21.8	21.5
85	16.2	15.8	15.4	15.0	14.6	14.3	13.9	13.6	13.2	12.9	12.5	12.1	11.8	11.5	11.2	10.9	10.6	10.5	10.3
90	30.1	28.7	27.3	25.9	24.5	23.0	21.6	20.1	18.6	17.1	15.3	13.4	11.6	9.92	8.27	6.74	5.34	4.11	3.06
95	65.5	64.2	62.7	60.9	58.9	56.7	54.2	51.5	48.5	45.3	40.2	34.9	29.6	24.5	19.7	15.3	11.4	8.12	5.68
100	95.7	94.1	92.1	89.9	87.4	84.5	81.3	77.8	74.1	69.9	62.7	55.4	48.1	41.2	34.8	29.2	24.6	21.1	19.0
105	123	121	119	117	114	111	107	104	99.3	94.6	86.1	77.4	68.9	60.7	53.3	46.7	41.3	37.3	35.1
110	149	148	147	145	142	139	135	131	127	121	112	102	91.9	82.4	73.7	66.0	59.6	54.9	52.1
115	179	178	176	174	171	168	164	159	154	148	137	126	115	104	94.0	85.3	78.0	72.6	69.5
120	209	207	205	202	198	194	189	184	178	172	160	148	136	124	114	104	96.5	90.8	87.4
125	237	234	230	226	222	217	211	205	198	191	179	167	154	143	132	122	115	109	106
130	261	257	251	246	240	234	227	220	213	206	193	181	169	158	148	139	131	126	123
135	279	272	266	260	253	246	239	232	224	217	205	194	182	172	163	154	148	143	141
140	287	280	273	266	259	252	245	238	231	224	213	203	193	184	176	170	164	160	158
145	288	281	274	267	260	254	247	241	234	228	219	210	202	195	188	183	178	175	174
150	280	274	268	262	257	251	245	240	235	230	223	216	210	204	199	194	191	189	188
155	269	264	260	255	251	247	242	238	234	230	225	220	215	211	207	204	202	200	199
160	256	253	250	247	244	241	239	236	233	231	227	224	220	217	215	213	211	210	210
165	245	244	242	240	238	236	235	233	232	230	228	226	224	222	221	220	219	218	218
170	237	236	235	234	233	233	232	231	230	230	229	228	227	226	225	225	224	224	224
175	232	231	231	231	231	230	230	230	230	229	229	229	229	229	229	228	228	228	228
180	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm																		
NAME: 4FT									TYPE:3500K 2.8					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	3079	3079	3080	3080	3081	3081	3081	3080	3080	3079	3077	3076	3074	3072	3071	3069	3068	3067	3066
5	3050	3051	3051	3051	3051	3051	3051	3052	3051	3050	3049	3048	3046	3045	3044	3043	3043	3043	3044
10	3007	3007	3007	3007	3007	3008	3008	3008	3008	3006	3004	3003	3001	2999	2998	2996	2995	2995	2996
15	2941	2941	2940	2940	2940	2939	2938	2937	2936	2934	2932	2929	2926	2924	2921	2919	2917	2915	2915
20	2876	2871	2866	2860	2853	2846	2839	2832	2825	2819	2814	2809	2804	2800	2795	2791	2788	2785	2782
25	2756	2750	2744	2737	2729	2720	2711	2701	2690	2677	2664	2651	2638	2625	2613	2601	2591	2581	2578
30	2537	2535	2531	2527	2522	2516	2508	2498	2487	2464	2440	2414	2389	2363	2338	2315	2293	2273	2268
35	2103	2118	2134	2149	2163	2174	2180	2181	2174	2112	2044	1971	1897	1824	1752	1686	1627	1577	1592
40	1344	1391	1445	1502	1559	1613	1662	1701	1729	1655	1569	1475	1376	1276	1177	1084	1000	927	954
45	694	737	788	844	901	956	1008	1052	1085	1029	962	887	808	726	644	567	495	432	446
50	287	310	336	365	396	426	454	479	499	473	442	407	370	331	293	256	223	193	202
55	158	168	180	193	206	220	232	244	253	243	231	217	203	187	172	157	144	132	134
60	122	124	127	129	132	135	138	140	142	140	137	133	130	126	122	118	114	111	110
65	96.7	96.7	96.9	97.0	97.0	97.0	96.9	96.7	96.3	94.8	93.2	91.5	89.8	88.0	86.2	84.6	83.0	81.5	81.0
70	66.9	66.9	66.9	66.9	66.8	66.6	66.3	65.9	65.4	63.7	61.9	60.0	58.1	56.2	54.3	52.6	50.9	49.5	49.2
75	38.6	38.7	39.0	39.2	39.4	39.5	39.6	39.6	39.4	38.2	36.9	35.5	34.1	32.6	31.2	29.8	28.6	27.5	27.3
80	21.7	21.8	22.0	22.2	22.4	22.5	22.6	22.6	22.5	21.7	20.7	19.8	18.8	17.7	16.8	15.8	14.9	14.1	14.1
85	10.5	10.7	11.0	11.2	11.5	11.7	11.8	11.9	11.9	11.3	10.6	9.79	8.99	8.19	7.40	6.65	5.96	5.35	5.38
90	2.99	3.10	3.36	3.72	4.17	4.67	5.18	5.68	6.13	5.71	5.24	4.73	4.23	3.74	3.30	2.93	2.67	2.52	3.43
95	8.13	11.3	15.1	19.3	23.8	28.3	32.7	36.9	40.7	39.8	38.5	36.8	34.9	33.0	31.2	29.6	28.3	27.6	31.8
100	25.3	32.9	41.6	50.9	60.6	70.5	80.2	89.4	97.8	99.1	99.4	99.0	98.0	96.6	94.8	92.9	90.9	89.2	92.1
105	42.6	51.7	62.2	73.6	85.7	98.1	110	123	134	139	143	147	150	151	153	153	153	153	154
110	60.8	71.3	83.3	96.5	110	125	139	153	166	173	179	183	187	189	191	192	193	192	193
115	79.1	90.9	104	119	135	151	167	183	198	206	212	217	222	225	227	228	229	228	228
120	97.4	110	124	139	156	173	190	207	223	232	239	246	251	256	259	261	262	262	261
125	116	128	142	158	174	192	209	227	243	253	262	269	276	281	285	288	290	290	288
130	133	145	159	174	190	207	224	241	257	268	278	286	294	300	305	308	310	311	308
135	149	160	173	187	202	218	234	250	265	276	286	295	303	310	316	320	323	324	320
140	166	175	186	198	211	225	239	253	267	277	287	297	305	312	318	323	326	328	324
145	180	188	197	207	218	229	241	253	264	274	284	292	300	307	312	317	320	322	318
150	193	199	206	214	222	231	241	250	259	268	275	283	289	295	300	304	307	309	305
155	203	207	213	219	225	232	239	246	253	259	265	271	276	280	284	287	290	291	288
160	212	215	219	223	227	232	236	241	246	250	254	258	262	265	268	270	271	272	270
165	219	221	223	226	228	231	234	237	240	242	245	247	249	251	253	254	255	255	254
170	225	226	227	228	229	231	232	234	235	236	237	238	239	240	241	242	242	242	242
175	229	229	229	230	230	231	231	232	232	232	233	233	233	233	234	234	234	234	234
180	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm																		
NAME: 4FT									TYPE:3500K 2.8					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	3066	3067	3067	3067	3068	3069	3069	3070	3071	3072	3073	3074	3075	3076	3077	3077	3078	3079	3079
5	3046	3049	3051	3054	3056	3059	3062	3065	3066	3068	3069	3070	3072	3073	3074	3075	3075	3076	3077
10	2998	3001	3003	3006	3009	3011	3014	3016	3016	3016	3015	3015	3014	3014	3013	3013	3013	3015	3017
15	2915	2915	2916	2917	2918	2919	2920	2921	2920	2920	2919	2919	2918	2918	2918	2918	2919	2920	2922
20	2781	2779	2778	2777	2777	2776	2776	2777	2776	2776	2776	2776	2776	2777	2778	2780	2781	2785	2788
25	2577	2576	2576	2577	2579	2581	2583	2586	2584	2583	2582	2582	2581	2581	2581	2582	2584	2588	2593
30	2266	2266	2267	2271	2275	2280	2286	2293	2293	2293	2294	2295	2296	2298	2300	2303	2306	2313	2320
35	1618	1651	1689	1732	1777	1821	1864	1903	1896	1884	1870	1853	1835	1818	1802	1788	1779	1801	1827
40	993	1042	1098	1159	1220	1280	1335	1384	1352	1312	1267	1220	1171	1125	1083	1047	1021	1069	1127
45	469	499	536	575	617	657	695	728	702	672	638	603	569	536	508	485	470	515	568
50	216	233	253	275	296	317	337	353	339	321	302	282	262	243	225	211	200	221	245
55	139	144	151	159	166	174	181	187	182	176	169	162	156	149	143	138	135	143	152
60	110	110	110	111	111	112	113	114	114	114	113	113	113	113	113	114	114	115	117
65	80.6	80.4	80.3	80.4	80.6	80.8	81.2	81.7	82.1	82.6	83.2	83.8	84.4	85.0	85.7	86.3	86.9	87.1	87.3
70	49.2	49.4	49.7	50.1	50.6	51.2	51.9	52.6	52.8	53.0	53.3	53.5	53.8	54.0	54.3	54.7	55.0	55.4	55.8
75	27.3	27.4	27.7	28.0	28.4	28.9	29.4	29.9	30.0	30.1	30.2	30.4	30.5	30.7	30.8	31.0	31.3	31.6	31.9
80	14.1	14.2	14.4	14.7	15.0	15.4	15.7	16.1	16.2	16.2	16.3	16.3	16.4	16.4	16.5	16.6	16.7	16.9	17.1
85	5.50	5.70	5.96	6.26	6.58	6.92	7.25	7.55	7.46	7.33	7.19	7.04	6.89	6.76	6.64	6.56	6.53	6.71	6.95
90	4.45	5.54	6.65	7.75	8.79	9.73	10.5	11.1	9.95	8.61	7.20	5.79	4.47	3.31	2.39	1.78	1.56	4.04	6.91
95	36.5	41.4	46.4	51.2	55.6	59.5	62.6	64.8	59.6	53.6	46.9	40.0	32.9	26.1	19.7	14.1	9.45	12.3	16.3
100	95.2	98.3	101	104	106	107	107	106	97.6	88.0	77.7	67.3	56.9	47.0	37.8	29.8	23.1	26.1	30.5
105	154	154	153	151	149	146	142	137	125	113	101	88.8	76.8	65.6	55.3	46.4	39.2	42.5	47.5
110	193	192	190	188	184	180	175	168	155	141	127	113	98.8	85.9	74.2	64.0	55.8	59.7	65.6
115	227	225	223	219	214	209	202	194	180	164	149	133	118	105	91.9	81.1	72.5	77.2	84.0
120	259	256	252	247	241	234	226	217	202	185	169	153	137	122	109	98.2	89.4	94.4	102
125	285	281	276	270	262	254	244	234	218	201	185	169	153	139	126	115	106	111	119
130	304	299	292	284	276	266	255	244	229	213	197	181	167	153	141	131	124	128	135
135	315	309	301	292	283	272	261	249	234	220	205	191	178	166	156	147	141	145	151
140	318	311	303	294	284	273	262	250	237	224	212	200	189	178	170	162	157	160	165
145	313	306	298	289	280	270	260	249	238	227	217	207	198	190	183	177	172	175	179
150	300	294	288	280	272	264	255	246	237	229	221	213	206	200	194	190	187	189	192
155	284	280	275	269	263	256	249	243	236	230	224	219	214	209	205	202	200	201	203
160	268	264	261	257	252	248	243	239	234	230	226	223	220	217	214	212	211	211	213
165	253	251	248	246	243	241	238	235	233	230	228	226	224	223	221	220	219	219	220
170	241	240	239	238	236	235	234	232	231	230	229	228	228	227	226	226	225	225	225
175	233	233	233	232	232	232	231	231	231	230	230	230	230	229	229	229	229	229	229
180	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225

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:0.2950A P:35.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5563.86x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						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	3080	3080	3081	3081	3081	3080	3080	3079	3078	3077	3076	3074	3073	3071	3069				
5	3078	3079	3079	3080	3080	3080	3080	3079	3078	3076	3075	3073	3071	3069	3066				
10	3019	3022	3024	3027	3029	3032	3034	3035	3036	3036	3037	3037	3036	3036	3035				
15	2924	2926	2928	2931	2934	2938	2941	2945	2949	2953	2957	2962	2967	2972	2977				
20	2792	2796	2801	2806	2812	2818	2824	2830	2837	2844	2851	2859	2867	2875	2884				
25	2598	2605	2612	2619	2627	2636	2645	2654	2664	2675	2685	2697	2709	2721	2734				
30	2328	2337	2346	2356	2367	2378	2390	2402	2415	2428	2442	2456	2471	2486	2502				
35	1856	1889	1922	1957	1992	2027	2060	2080	2098	2113	2127	2138	2147	2153	2158				
40	1191	1259	1330	1400	1468	1531	1587	1602	1607	1602	1588	1565	1531	1489	1436				
45	626	688	751	813	873	929	978	992	998	995	984	964	936	899	854				
50	273	302	332	362	390	417	440	446	448	445	438	427	412	393	370				
55	162	172	183	193	203	212	220	221	220	217	213	207	200	190	179				
60	119	121	122	124	126	127	129	129	130	130	130	130	129	128	128				
65	87.6	87.8	88.1	88.4	88.9	89.4	90.0	91.0	92.2	93.5	94.9	96.5	98.2	100.0	102				
70	56.3	56.8	57.4	58.1	58.8	59.6	60.5	61.6	62.8	64.0	65.4	66.9	68.4	70.0	71.8				
75	32.3	32.7	33.2	33.7	34.2	34.8	35.5	36.1	36.9	37.6	38.5	39.3	40.2	41.2	42.2				
80	17.4	17.6	17.9	18.3	18.6	19.0	19.4	19.8	20.2	20.7	21.2	21.7	22.3	22.9	23.5				
85	7.24	7.58	7.97	8.39	8.86	9.37	9.92	10.5	11.1	11.7	12.4	13.1	13.8	14.6	15.4				
90	10.1	13.4	16.9	20.3	23.7	26.9	29.9	31.3	32.4	33.1	33.5	33.5	33.2	32.5	31.5				
95	21.1	26.7	32.7	39.0	45.4	51.7	57.7	60.6	62.9	64.8	66.1	67.0	67.4	67.2	66.6				
100	36.3	42.9	50.4	58.2	66.3	74.4	82.1	85.9	89.1	91.7	93.8	95.3	96.2	96.6	96.4				
105	54.0	61.6	70.1	79.1	88.3	97.6	106	111	114	118	120	122	123	124	123				
110	73.2	82.1	91.9	102	113	124	134	139	143	146	148	150	151	151	151				
115	92.7	103	114	126	138	150	162	167	172	175	178	180	181	181	180				
120	111	122	133	146	159	172	184	191	196	200	204	207	208	209	210				
125	128	139	151	163	177	190	203	210	216	221	226	229	232	235	236				
130	144	154	165	178	190	203	216	223	230	236	242	247	252	255	259				
135	158	168	178	189	201	213	225	233	240	246	253	259	264	269	274				
140	172	180	189	198	209	219	230	237	244	251	258	264	270	276	282				
145	184	191	198	206	214	223	232	239	245	251	257	264	270	276	282				
150	196	200	206	212	219	226	233	238	243	249	254	259	264	270	275				
155	206	209	213	217	222	227	232	236	240	244	248	252	256	260	264				
160	214	216	219	222	225	228	231	234	237	239	242	245	247	250	253				
165	221	222	223	225	227	228	230	232	233	235	236	238	240	242	244				
170	226	226	227	227	228	229	229	230	231	231	232	233	234	235	236				
175	229	229	229	229	229	229	229	230	230	230	230	230	231	231	231				
180	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225				

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: