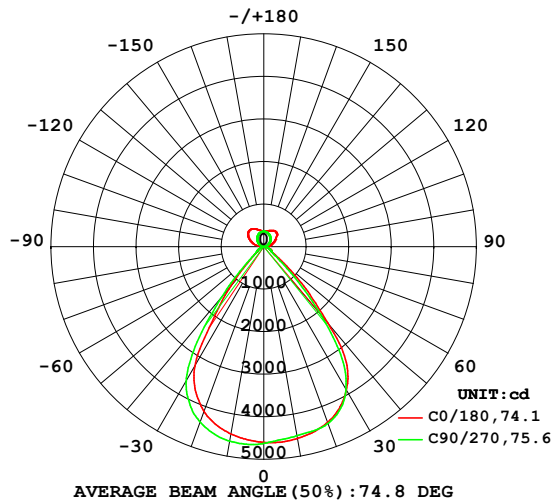


LUMINAIRE PHOTOMETRIC TEST REPORT

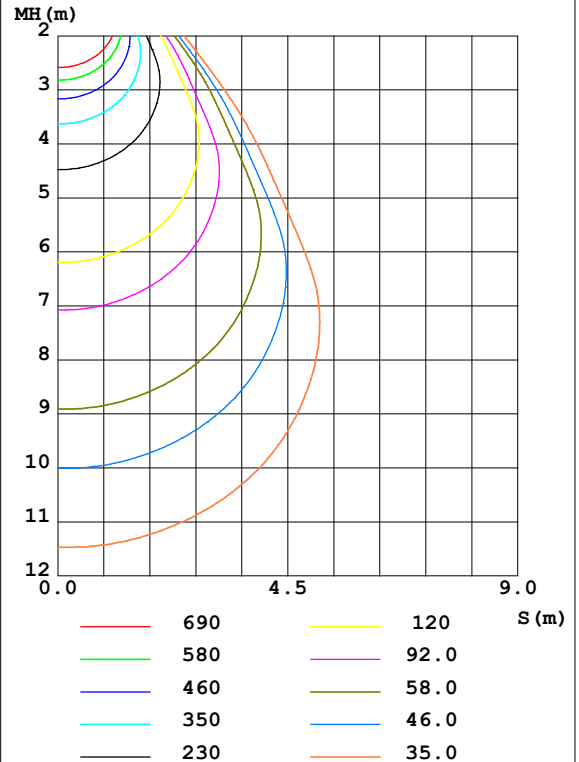
Test:U:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.58 lm/W			
MODEL		I _{max} (cd)	4675	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)	8559.9	η UP,DN(C0-180)	8.9,42.6
NOMINAL FLUX(lm)	8559.86	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.4,39.1
LAMPS INSIDE	1	η up(%)	18.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	81.7	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:

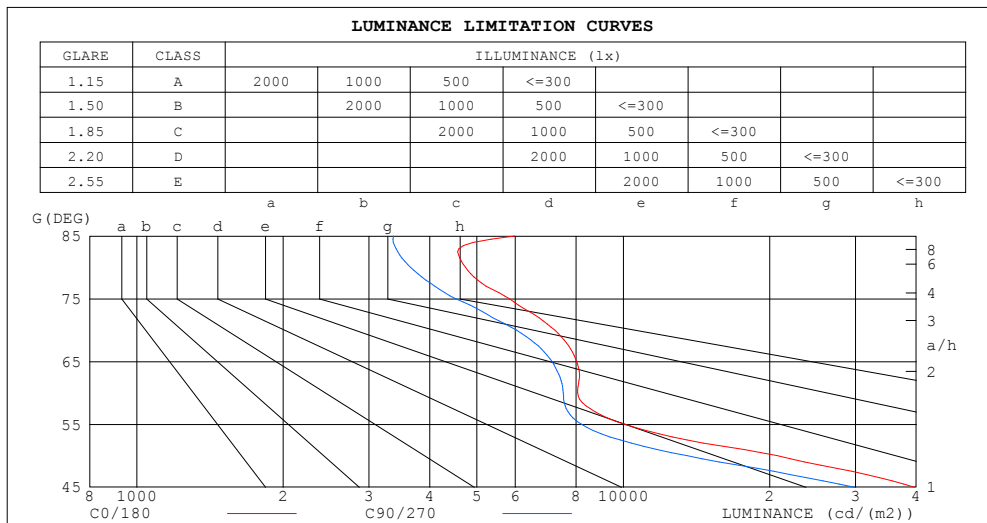
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4578	4535	4508	4486	4470	4575	4639	4652	0- 10	437.9	437.9	5.12,5.12
20	4396	4391	4421	4263	4118	4281	4384	4444	10- 20	1262	1700	19.9,19.9
30	3886	3997	3870	3741	3248	3531	3653	3867	20- 30	1881	3581	41.8,41.8
40	2342	2997	2089	2505	1215	2005	1542	2632	30- 40	1886	5467	63.9,63.9
50	665.2	1154	434.0	689.2	262.8	486.0	295.9	760.9	40- 50	1001	6468	75.6,75.6
60	201.5	285.6	188.1	201.9	162.2	162.6	173.6	209.6	50- 60	304.6	6773	79.1,79.1
70	123.7	118.8	103.1	89.34	66.00	70.86	79.95	96.43	60- 70	140.9	6913	80.8,80.8
80	41.16	40.79	31.74	27.07	17.62	19.16	23.31	30.64	70- 80	59.59	6973	81.5,81.5
90	44.93	22.02	2.633	5.328	2.635	18.70	1.829	47.79	80- 90	18.46	6991	81.7,81.7
100	142.1	102.4	24.22	139.6	141.5	172.0	38.39	125.2	90-100	65.62	7057	82.4,82.4
110	217.0	180.4	74.88	251.2	304.6	266.6	90.28	201.7	100-110	165.2	7222	84.4,84.4
120	309.7	258.1	129.8	335.5	414.1	343.0	145.4	283.1	110-120	236.7	7459	87.1,87.1
130	405.2	311.4	185.8	387.2	490.7	387.9	200.8	343.8	120-130	277.4	7736	90.4,90.4
140	449.5	340.7	237.8	404.7	516.6	399.0	253.8	368.4	130-140	275.5	8012	93.6,93.6
150	440.0	353.7	285.0	398.0	486.2	392.0	300.8	372.2	140-150	235.3	8247	96.3,96.3
160	403.1	358.2	323.5	382.4	429.6	378.3	336.3	368.4	150-160	173.5	8421	98.4,98.4
170	373.3	359.1	350.2	368.4	382.1	367.0	357.0	363.7	160-170	104.4	8525	99.6,99.6
180	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	170-180	34.70	8560	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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	5982	3370
80	4740	3655
75	5833	4527
70	7231	6029
65	8021	7137
60	8058	7524
55	10065	8202
50	20697	13505
45	39663	29873

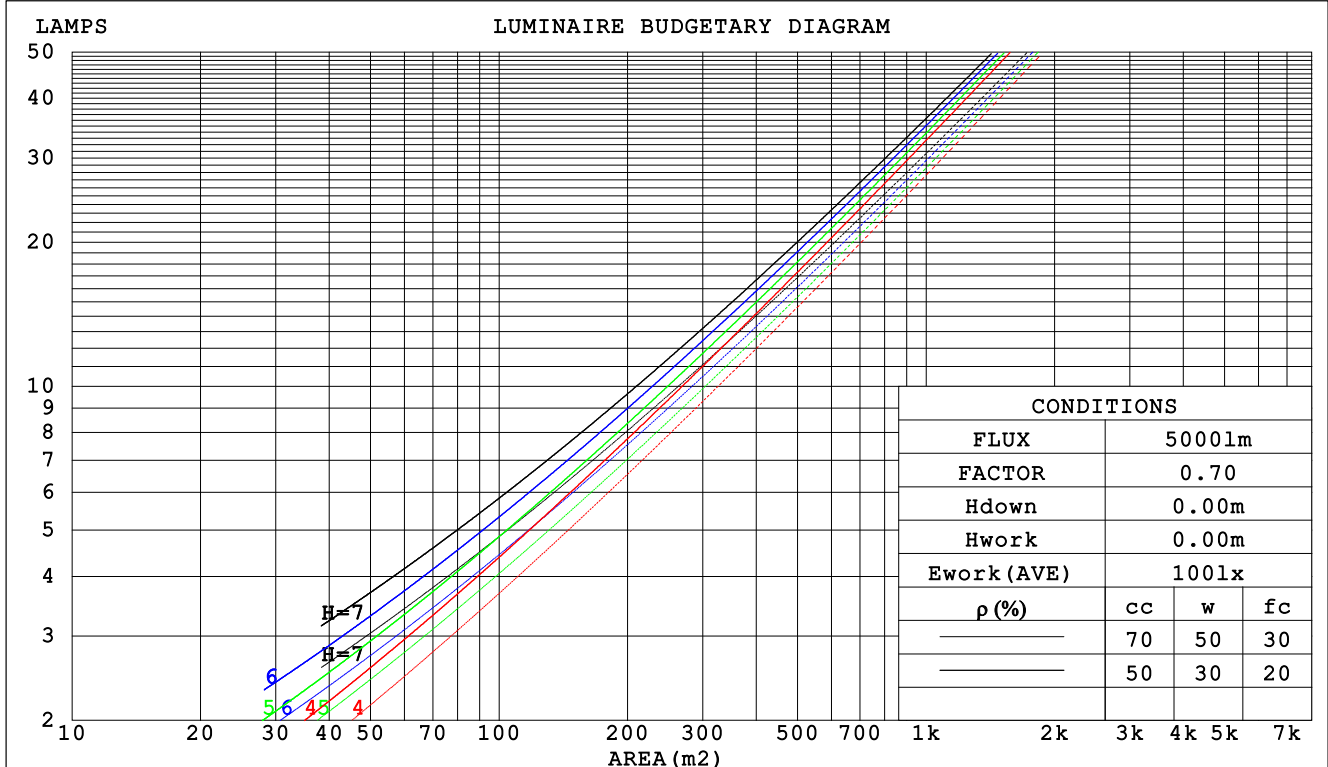
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	.98	1.00	.98	.95	.93	.91	.89	.86	.84	.83	.80	.79	.78	.74
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	.68	.66	.63	.61
4.0	.79	.72	.67	.76	.70	.65	.72	.67	.63	.67	.63	.60	.63	.60	.57	.55
5.0	.72	.65	.60	.70	.64	.59	.66	.61	.57	.62	.58	.54	.59	.55	.52	.50
6.0	.66	.59	.54	.64	.58	.53	.61	.55	.51	.58	.53	.50	.55	.51	.48	.46
7.0	.61	.54	.49	.59	.53	.48	.56	.51	.47	.54	.49	.45	.51	.47	.44	.42
8.0	.56	.49	.45	.55	.49	.44	.52	.47	.43	.50	.45	.41	.47	.43	.40	.38
9.0	.52	.46	.41	.51	.45	.40	.49	.43	.39	.46	.42	.38	.44	.40	.37	.35
10.0	.49	.42	.38	.48	.41	.37	.45	.40	.36	.43	.39	.35	.42	.37	.34	.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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	.118	.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	.179	.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	.161	.081	.023	.147	.075	.022	.134	.070	.020	.122	.064	.019		
7.0	.159	.079	.022	.153	.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	.144	.070	.019	.138	.067	.019	.127	.063	.018	.117	.059	.017	.108	.055	.016		
10.0	.137	.066	.018	.132	.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	.330	.330	.330	.282	.282	.282	.193	.193	.193	.111	.111	.111	.035	.035	.035	
1.0	.315	.298	.282	.269	.256	.243	.184	.176	.168	.106	.102	.098	.034	.033	.032	
2.0	.303	.274	.250	.259	.236	.216	.178	.163	.151	.103	.095	.088	.033	.031	.029	
3.0	.293	.256	.227	.251	.221	.197	.172	.154	.138	.100	.090	.081	.032	.029	.027	
4.0	.285	.243	.211	.244	.210	.183	.168	.146	.129	.097	.086	.076	.031	.028	.025	
5.0	.277	.232	.199	.238	.201	.173	.164	.140	.122	.095	.082	.072	.031	.027	.024	
6.0	.271	.224	.190	.233	.194	.165	.161	.136	.117	.093	.080	.069	.030	.026	.023	
7.0	.265	.217	.183	.228	.188	.159	.157	.132	.113	.091	.078	.067	.030	.025	.022	
8.0	.259	.211	.178	.223	.183	.155	.154	.128	.110	.090	.076	.066	.029	.025	.022	
9.0	.254	.206	.174	.219	.179	.151	.152	.126	.108	.088	.074	.064	.029	.024	.021	
10.0	.250	.202	.170	.215	.176	.149	.149	.123	.106	.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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	22.4	23.4	22.9	23.8	24.3	21.6	22.6	22.1	23.1	23.6
3H	22.3	23.2	22.8	23.7	24.3	21.5	22.4	22.1	22.9	23.5
4H	22.3	23.1	22.8	23.6	24.2	21.5	22.3	22.0	22.8	23.4
6H	22.2	23.0	22.7	23.5	24.1	21.4	22.2	22.0	22.7	23.3
8H	22.1	22.9	22.7	23.4	24.1	21.3	22.1	21.9	22.6	23.3
12H	22.1	22.8	22.7	23.4	24.0	21.3	22.0	21.9	22.6	23.2
4H 2H	22.1	23.0	22.7	23.5	24.1	21.4	22.3	22.0	22.8	23.4
3H	22.1	22.8	22.7	23.4	24.0	21.4	22.1	22.0	22.7	23.3
4H	22.1	22.7	22.7	23.3	24.0	21.4	22.0	22.0	22.6	23.3
6H	22.0	22.6	22.7	23.2	23.9	21.3	21.9	21.9	22.5	23.2
8H	22.0	22.5	22.7	23.2	23.9	21.3	21.8	21.9	22.4	23.1
12H	22.0	22.4	22.7	23.1	23.9	21.2	21.7	21.9	22.3	23.1
8H 4H	21.9	22.5	22.6	23.1	23.8	21.2	21.7	21.9	22.4	23.1
6H	21.9	22.3	22.6	23.0	23.8	21.2	21.6	21.9	22.3	23.1
8H	21.9	22.3	22.6	23.0	23.8	21.2	21.5	21.9	22.2	23.0
12H	21.9	22.2	22.6	22.9	23.8	21.1	21.4	21.9	22.2	23.0
12H 4H	21.9	22.4	22.6	23.0	23.8	21.2	21.6	21.8	22.3	23.0
6H	21.9	22.2	22.6	22.9	23.7	21.1	21.5	21.9	22.2	23.0
8H	21.9	22.2	22.6	22.9	23.7	21.1	21.4	21.9	22.1	23.0
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					+ 3.9 / - 3.5				

CIE Pub.117 Corrected 8560 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.5)

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

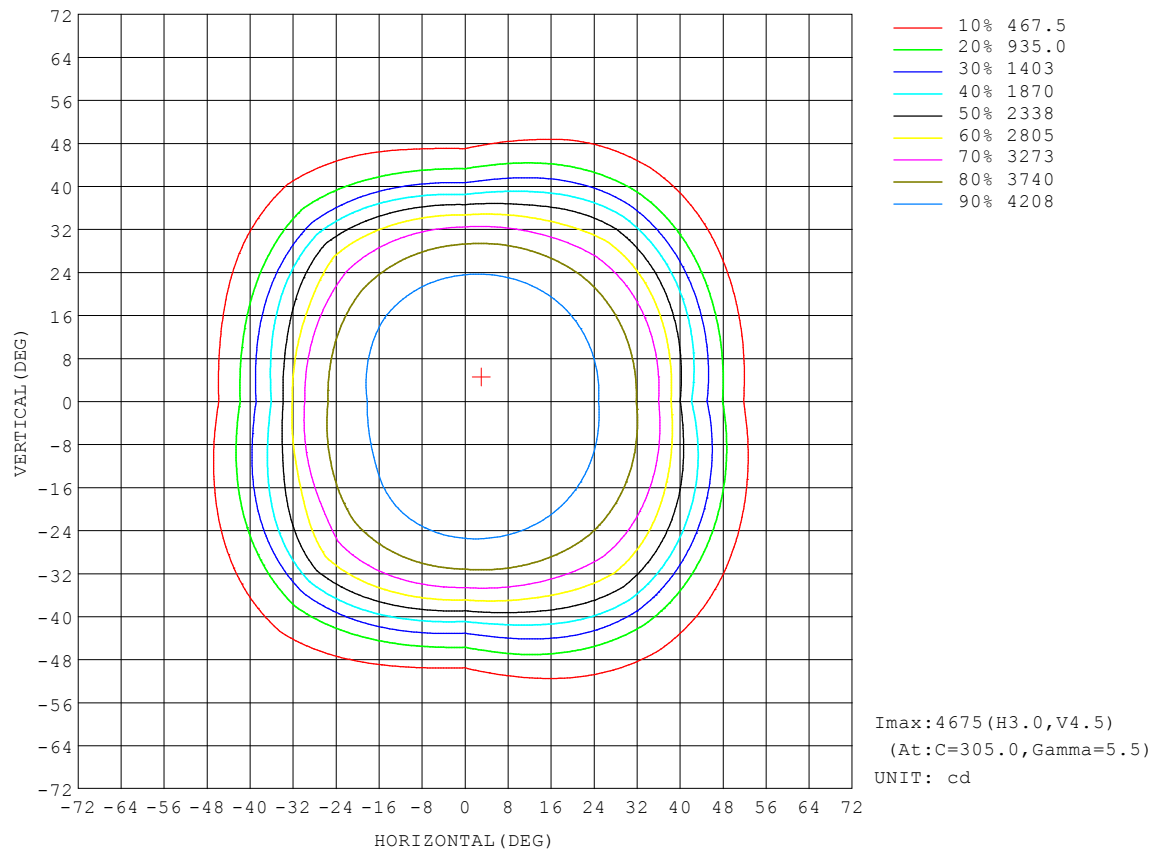
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	60	55	68	60	55	66	59	54	49
0.80	78	69	64	76	68	64	73	67	62	56
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	93	86	81	91	85	80	86	81	77	69
2.00	98	92	87	95	90	85	90	85	82	72
2.50	101	95	91	97	92	89	91	88	85	73
3.00	103	98	94	100	95	92	93	90	87	75
4.00	106	102	98	102	98	95	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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

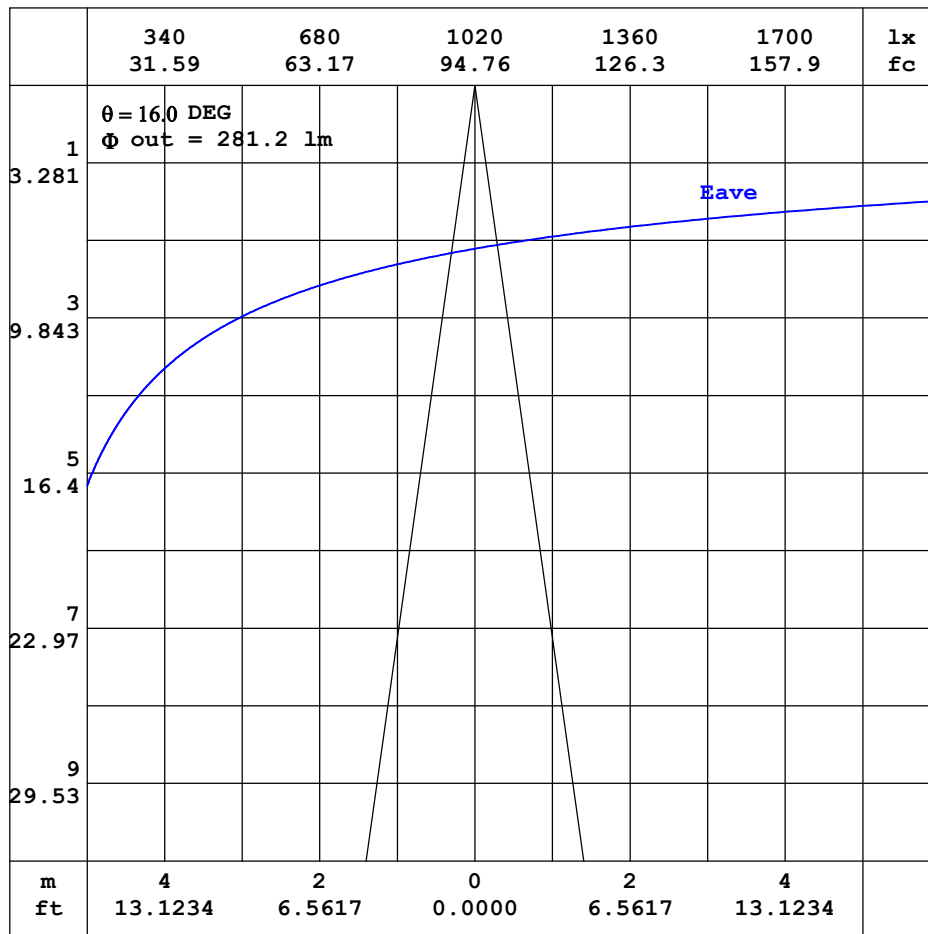


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



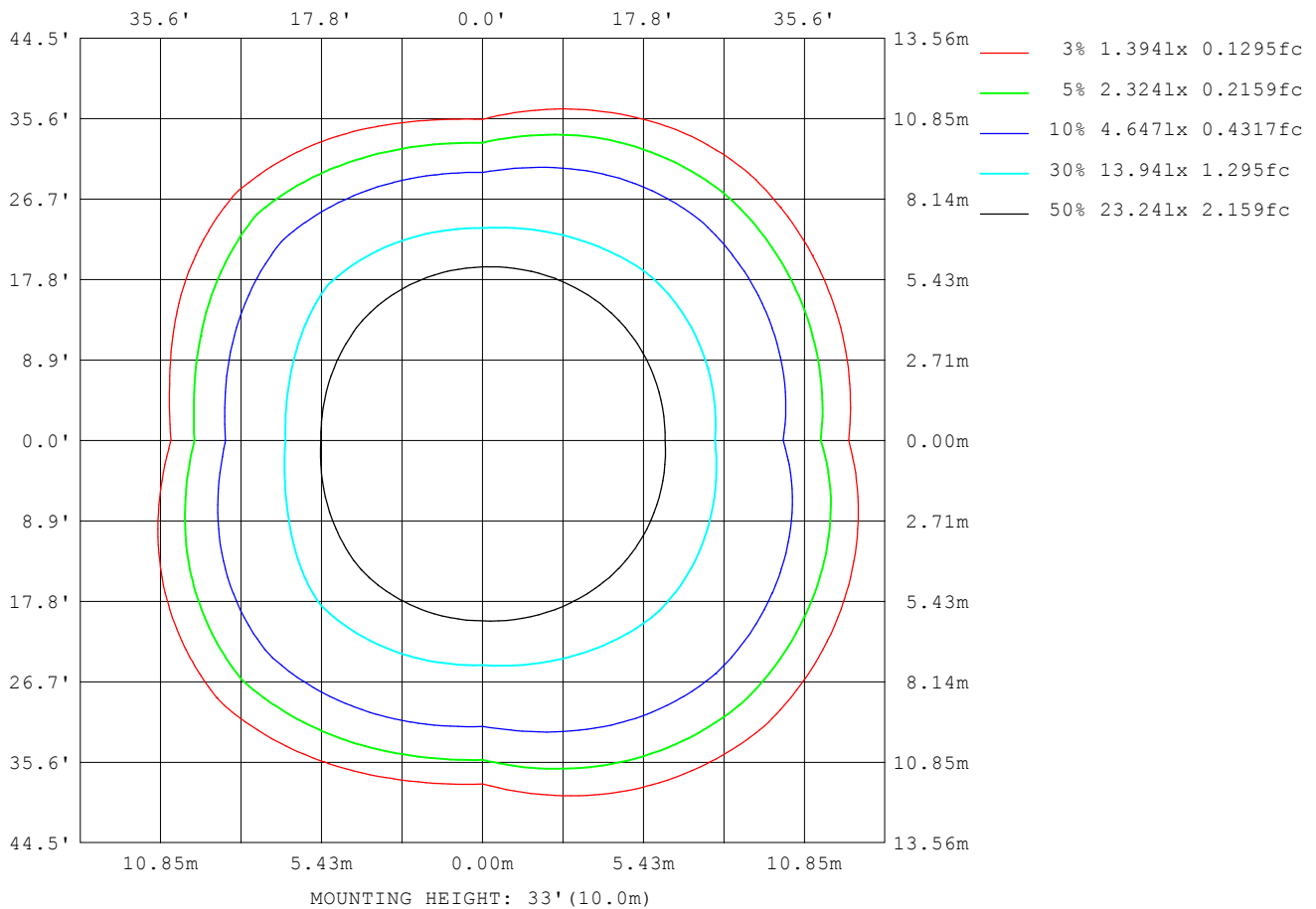
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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:120.7V I:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

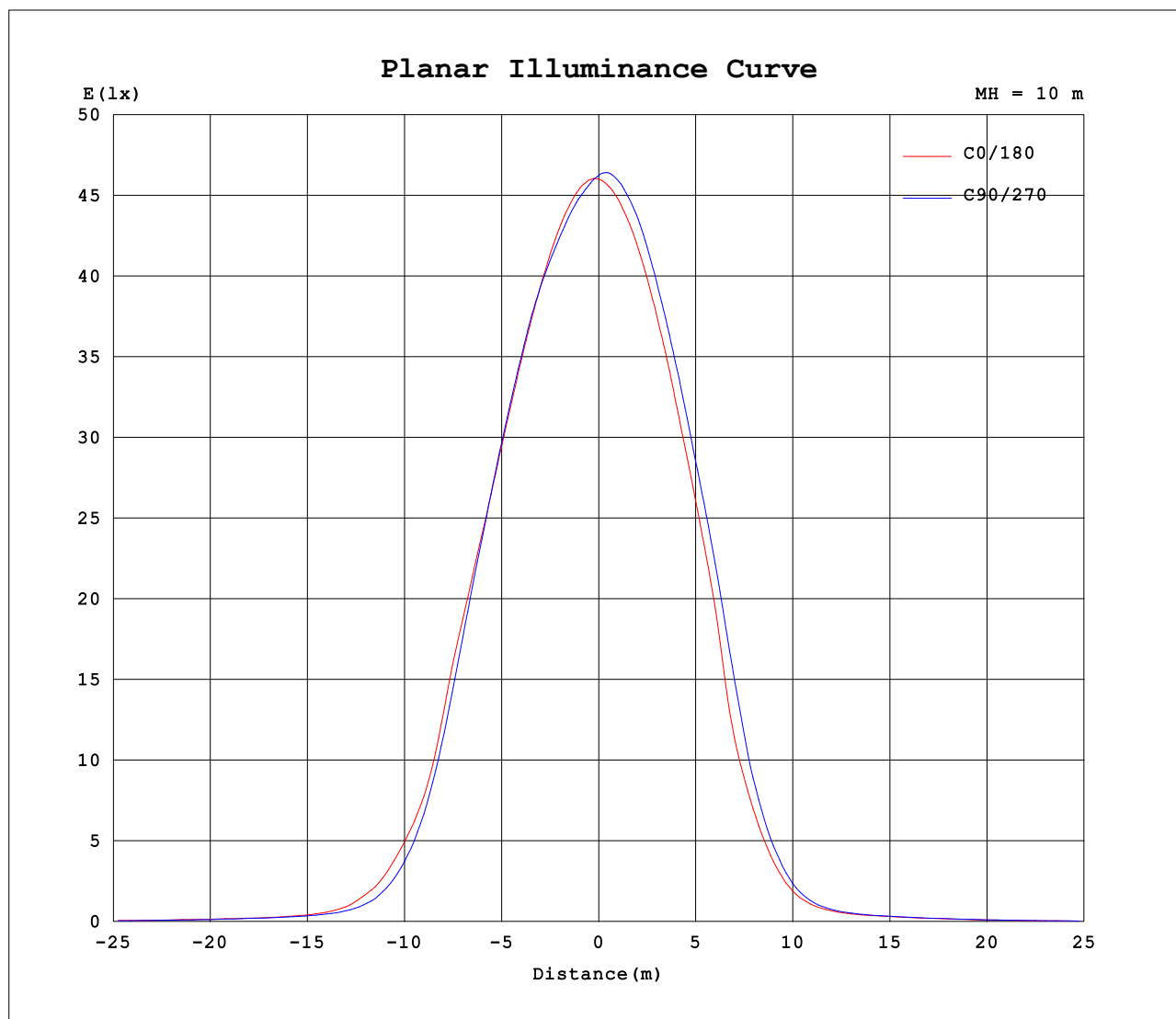
AvgL	cd/m2
L_0~180 (65) av	6693
L_0~180 (75) av	4321
L_0~180 (85) av	3561
L_90~270 (65) av	6595
L_90~270 (75) av	4000
L_90~270 (85) av	2604
L_45 (65) av	6700
L_45 (75) av	4258
L_45 (85) av	3272

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	4601	4602	4604	4605	4607	4608	4610	4611	4612	4614	4615	4616	4617	4618	4620	4621	4622	4623	4624
5	4612	4607	4602	4598	4594	4590	4586	4582	4579	4576	4573	4570	4568	4566	4563	4562	4560	4559	4558
10	4578	4573	4567	4562	4557	4552	4548	4543	4539	4535	4531	4528	4525	4522	4519	4516	4513	4511	4508
15	4510	4503	4496	4489	4484	4479	4475	4471	4469	4467	4469	4472	4474	4477	4480	4482	4484	4484	4484
20	4396	4394	4392	4391	4390	4389	4389	4389	4390	4391	4397	4403	4408	4414	4418	4421	4423	4423	4421
25	4199	4210	4220	4228	4236	4242	4248	4252	4255	4258	4260	4261	4262	4260	4258	4254	4249	4242	4234
30	3886	3910	3932	3950	3965	3977	3987	3993	3997	3997	3990	3981	3969	3956	3941	3924	3907	3888	3870
35	3409	3458	3500	3535	3562	3583	3596	3603	3602	3594	3562	3523	3480	3434	3386	3338	3291	3247	3206
40	2342	2492	2623	2734	2826	2899	2952	2987	3002	2997	2921	2829	2725	2615	2501	2387	2278	2177	2089
45	1402	1583	1739	1873	1982	2069	2132	2171	2187	2180	2086	1973	1846	1710	1570	1429	1294	1168	1056
50	665	779	878	962	1031	1086	1125	1149	1159	1154	1093	1021	940	853	763	673	587	506	434
55	289	344	393	435	470	498	519	534	541	542	517	487	453	416	378	339	301	266	235
60	201	220	236	250	261	271	278	283	285	286	278	269	259	247	235	223	210	199	188
65	169	171	172	173	174	174	174	174	173	172	171	168	166	164	161	159	156	153	151
70	124	124	124	123	123	122	122	121	120	119	117	116	114	112	111	109	107	105	103
75	75.5	76.0	76.4	76.6	76.6	76.4	76.1	75.6	74.9	74.1	72.6	71.1	69.4	67.6	65.8	63.9	62.1	60.3	58.6
80	41.2	41.5	41.8	42.0	42.1	42.0	41.9	41.6	41.3	40.8	40.0	39.1	38.1	37.1	36.0	34.9	33.8	32.8	31.7
85	26.1	25.6	25.1	24.6	24.0	23.5	22.9	22.3	21.7	21.1	20.3	19.6	18.8	18.1	17.4	16.6	16.0	15.3	14.7
90	44.9	42.2	39.5	36.9	34.3	31.8	29.3	26.8	24.4	22.0	19.4	16.8	14.2	11.9	9.63	7.56	5.69	4.04	2.63
95	97.0	94.7	92.0	89.0	85.7	82.0	78.1	73.8	69.3	64.4	56.9	49.2	41.6	34.2	27.2	20.7	14.9	9.95	6.10
100	142	140	137	133	129	125	120	115	109	102	91.4	80.2	69.2	58.6	48.9	40.2	33.0	27.6	24.2
105	179	177	175	172	168	164	159	153	147	140	127	114	101	88.1	76.6	66.5	58.2	52.0	48.5
110	217	216	215	212	209	205	200	194	188	180	166	151	136	121	108	96.1	86.3	79.1	74.9
115	262	262	260	257	254	249	244	237	230	221	205	188	171	155	140	126	115	107	102
120	310	308	305	301	296	290	284	276	268	258	240	222	204	186	170	156	144	135	130
125	356	352	346	340	334	326	318	309	299	288	269	251	232	214	198	184	172	164	159
130	405	396	387	377	367	357	346	335	323	311	292	274	255	238	223	209	198	190	186
135	435	423	412	401	389	377	365	353	341	329	311	293	276	260	245	233	223	216	212
140	449	437	425	413	400	388	376	364	353	341	324	308	293	279	266	255	247	241	238
145	450	438	427	415	403	392	381	370	359	349	335	321	308	296	285	276	269	265	262
150	440	430	419	409	399	390	381	371	362	354	342	331	321	311	303	296	290	287	285
155	422	414	406	399	391	384	377	370	363	357	348	340	332	325	319	314	310	307	306
160	403	398	392	387	382	377	372	367	363	358	352	347	341	337	332	329	326	324	324
165	386	383	379	376	373	370	367	364	361	359	355	352	349	346	344	342	340	339	339
170	373	371	370	368	366	365	363	362	360	359	357	356	354	353	352	351	351	350	350
175	366	365	364	363	363	362	361	361	360	360	359	359	359	358	358	358	358	358	358
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	4626	4628	4629	4631	4632	4633	4634	4634	4633	4630	4627	4623	4619	4615	4611	4607	4604	4601	4601
5	4557	4557	4557	4557	4557	4558	4558	4558	4558	4557	4555	4553	4552	4551	4550	4550	4551	4553	4559
10	4506	4503	4500	4498	4495	4493	4490	4488	4486	4482	4478	4474	4471	4469	4468	4467	4468	4470	4479
15	4476	4466	4456	4444	4433	4421	4408	4396	4385	4374	4364	4355	4348	4341	4336	4333	4332	4333	4343
20	4409	4395	4380	4362	4344	4324	4304	4284	4263	4241	4219	4199	4180	4162	4147	4134	4124	4118	4128
25	4224	4211	4198	4182	4165	4146	4126	4103	4079	4041	4002	3964	3926	3889	3856	3826	3800	3780	3787
30	3862	3854	3845	3834	3822	3806	3788	3767	3741	3683	3623	3561	3499	3439	3382	3330	3285	3248	3258
35	3217	3230	3245	3258	3268	3271	3267	3252	3225	3097	2958	2814	2668	2525	2389	2264	2156	2068	2118
40	2125	2173	2230	2290	2350	2406	2453	2487	2505	2376	2232	2077	1917	1757	1601	1455	1325	1215	1261
45	1080	1118	1168	1224	1284	1343	1397	1443	1475	1387	1287	1177	1061	945	830	721	622	537	560
50	445	465	493	526	561	598	633	664	689	651	606	557	505	451	398	348	302	263	275
55	240	249	261	275	291	308	324	338	351	338	323	305	287	268	248	230	213	198	200
60	187	187	188	190	193	195	198	200	202	198	194	190	185	180	176	171	166	162	161
65	149	147	146	144	143	141	139	138	136	133	130	128	125	122	120	117	115	113	113
70	102	100	98.9	97.4	96.0	94.4	92.8	91.1	89.3	86.5	83.7	80.8	77.9	75.1	72.5	70.1	67.9	66.0	65.6
75	57.6	56.8	56.0	55.2	54.4	53.7	52.9	52.0	51.1	49.4	47.6	45.8	44.0	42.3	40.6	39.0	37.6	36.3	36.0
80	31.2	30.6	30.1	29.7	29.2	28.7	28.2	27.7	27.1	26.0	24.8	23.7	22.5	21.4	20.3	19.3	18.4	17.6	17.4
85	14.4	14.1	13.9	13.6	13.4	13.2	12.9	12.6	12.3	11.4	10.6	9.68	8.79	7.92	7.08	6.30	5.59	4.97	4.90
90	2.66	2.76	2.90	3.08	3.28	3.67	4.23	4.79	5.33	4.85	4.34	3.84	3.36	2.95	2.64	2.46	2.45	2.64	4.44
95	8.43	11.8	16.0	20.8	26.0	31.5	36.9	42.2	47.1	46.6	45.6	44.4	43.1	41.9	40.9	40.4	40.4	41.1	49.1
100	33.1	43.9	56.3	69.8	84.1	98.6	113	127	140	143	145	146	146	146	145	144	142	141	147
105	59.7	73.5	89.2	107	125	144	163	182	200	210	218	225	231	236	240	243	245	246	247
110	88.0	104	122	143	164	186	208	230	251	263	273	281	288	294	299	302	304	305	306
115	117	134	155	177	201	226	251	275	299	312	323	334	342	349	354	358	360	361	362
120	145	163	184	207	232	258	285	311	336	351	365	377	387	396	403	409	412	414	413
125	173	191	212	236	261	287	314	340	365	383	398	412	425	435	444	451	455	458	456
130	200	217	238	260	285	310	336	362	387	406	423	438	452	464	474	482	487	491	487
135	225	241	260	281	303	327	352	376	400	419	436	453	467	480	491	500	507	511	506
140	249	263	279	298	318	339	361	383	405	423	440	457	472	485	496	505	512	517	511
145	272	283	297	313	329	347	366	385	403	420	436	451	465	477	488	497	503	508	502
150	292	302	313	325	339	353	368	383	398	412	425	438	450	460	469	477	482	486	481
155	311	318	326	336	346	356	367	379	390	401	411	421	430	438	445	451	456	459	455
160	327	332	338	344	351	359	367	375	382	390	397	404	410	416	421	425	428	430	427
165	341	344	348	352	356	360	365	370	375	379	383	387	391	395	398	400	402	403	401
170	351	353	355	357	359	361	364	366	368	371	373	375	376	378	380	381	382	382	381
175	358	359	360	360	361	362	363	364	365	365	366	367	367	368	368	369	369	369	369
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	4601	4602	4604	4605	4607	4609	4611	4614	4615	4616	4617	4618	4620	4621	4622	4623	4624	4626	4628
5	4565	4572	4580	4588	4596	4605	4613	4621	4627	4633	4638	4643	4647	4651	4655	4658	4662	4665	4668
10	4489	4500	4512	4524	4537	4550	4563	4575	4584	4593	4601	4609	4616	4623	4629	4634	4639	4644	4647
15	4355	4369	4384	4401	4418	4435	4452	4469	4481	4492	4503	4513	4522	4531	4538	4546	4552	4559	4565
20	4141	4156	4174	4194	4215	4237	4259	4281	4295	4309	4321	4333	4344	4355	4365	4375	4384	4394	4403
25	3801	3818	3840	3865	3892	3920	3949	3978	3995	4011	4027	4042	4056	4070	4083	4096	4108	4122	4136
30	3276	3302	3333	3369	3408	3449	3490	3531	3548	3563	3577	3590	3602	3615	3627	3640	3653	3678	3703
35	2188	2275	2374	2481	2592	2703	2809	2908	2904	2891	2870	2845	2816	2788	2762	2741	2727	2783	2847
40	1328	1412	1508	1610	1716	1820	1918	2005	1964	1911	1851	1787	1723	1662	1610	1568	1542	1640	1753
45	598	647	704	767	831	895	955	1008	971	927	879	830	783	741	706	681	670	763	868
50	294	318	345	375	405	435	462	486	466	442	416	389	363	339	319	304	296	337	385
55	205	211	219	227	236	245	254	261	255	248	240	232	225	218	213	209	208	223	241
60	160	159	159	159	160	161	162	163	163	164	164	165	167	168	170	171	174	178	182
65	112	112	112	112	113	113	114	115	116	117	119	120	121	123	125	126	128	129	131
70	65.5	65.7	66.1	66.8	67.6	68.6	69.7	70.9	71.6	72.4	73.3	74.2	75.2	76.3	77.4	78.6	79.9	81.4	82.9
75	35.8	35.9	36.0	36.3	36.8	37.3	37.9	38.6	39.1	39.6	40.2	40.8	41.5	42.3	43.1	44.0	44.9	45.9	47.0
80	17.3	17.3	17.4	17.7	17.9	18.3	18.7	19.2	19.5	19.8	20.2	20.6	21.1	21.6	22.1	22.7	23.3	24.0	24.7
85	4.93	5.04	5.22	5.47	5.76	6.08	6.42	6.77	6.78	6.80	6.84	6.90	7.00	7.15	7.36	7.64	8.01	8.76	9.59
90	6.40	8.46	10.5	12.6	14.4	16.2	17.6	18.7	16.7	14.4	12.0	9.57	7.26	5.20	3.52	2.35	1.83	5.88	10.5
95	57.7	66.5	75.4	83.8	91.5	98.3	104	107	99.2	89.4	78.5	67.0	55.3	43.9	33.3	23.7	15.8	20.1	26.2
100	153	158	163	167	171	173	173	172	158	143	127	110	93.4	77.4	62.6	49.4	38.4	42.5	48.9
105	248	248	246	243	239	234	227	219	201	182	163	143	124	106	89.8	75.6	63.9	68.7	76.1
110	306	304	302	298	292	285	277	267	246	224	202	180	158	138	120	103	90.3	95.5	104
115	360	357	353	347	340	331	320	308	285	261	237	213	190	168	149	131	118	123	132
120	410	406	400	392	382	371	358	343	319	294	268	243	219	197	177	159	145	152	163
125	451	445	437	427	415	402	387	370	346	320	295	269	245	223	203	186	173	180	191
130	481	473	463	451	438	422	406	388	364	339	314	291	268	247	228	213	201	208	219
135	499	489	478	464	449	433	415	397	374	351	329	307	287	268	252	239	228	235	244
140	503	493	481	467	451	435	417	399	379	359	339	321	303	288	274	262	254	259	267
145	494	484	473	459	445	429	413	397	380	363	347	332	318	305	294	285	278	282	289
150	474	466	456	444	432	419	406	392	379	366	353	342	331	321	313	306	301	304	308
155	449	443	435	426	416	406	396	385	376	366	357	349	341	334	328	324	320	322	326
160	423	418	413	406	400	393	386	378	372	366	360	355	350	345	341	338	336	337	340
165	399	396	392	389	385	380	376	372	368	365	362	359	356	353	351	350	348	349	350
170	380	379	377	375	373	371	369	367	365	364	363	361	360	359	358	358	357	357	358
175	368	368	367	366	366	365	364	363	363	363	362	362	362	362	361	361	361	361	361
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.4890A P:58.80W PF:0.9900 Freq:60.00Hz Lamp Flux:8559.86x1 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	4629	4631	4632	4633	4634	4634	4633	4632	4630	4627	4624	4620	4616	4612	4606				
5	4671	4673	4674	4675	4675	4674	4673	4670	4665	4661	4655	4648	4640	4632	4622				
10	4651	4653	4655	4655	4655	4654	4652	4648	4643	4637	4630	4622	4612	4602	4591				
15	4570	4574	4578	4580	4582	4582	4581	4578	4574	4568	4562	4554	4545	4535	4523				
20	4412	4420	4427	4433	4438	4441	4444	4444	4443	4440	4436	4431	4424	4416	4407				
25	4150	4163	4175	4186	4195	4204	4212	4216	4219	4220	4221	4219	4216	4212	4207				
30	3728	3754	3779	3803	3826	3848	3867	3879	3888	3895	3900	3902	3902	3899	3894				
35	2917	2991	3068	3145	3220	3292	3359	3394	3421	3441	3453	3459	3457	3448	3432				
40	1878	2009	2143	2277	2405	2525	2632	2667	2686	2688	2673	2641	2592	2525	2442				
45	982	1102	1225	1346	1462	1570	1666	1699	1716	1718	1704	1675	1630	1570	1494				
50	438	494	551	608	663	715	761	778	788	791	788	777	759	735	704				
55	259	279	299	318	336	353	367	370	370	367	361	353	341	327	309				
60	186	191	195	199	203	207	210	211	212	212	211	211	209	207	205				
65	132	134	135	137	139	141	143	145	148	151	153	156	159	163	166				
70	84.5	86.2	88.0	89.9	92.0	94.1	96.4	98.9	102	104	107	110	113	117	120				
75	48.1	49.3	50.6	52.0	53.5	55.0	56.6	58.3	60.2	62.1	64.1	66.2	68.4	70.7	73.0				
80	25.4	26.2	27.0	27.8	28.7	29.7	30.6	31.6	32.7	33.8	34.9	36.1	37.3	38.5	39.8				
85	10.5	11.5	12.5	13.6	14.7	15.8	16.9	17.9	18.9	20.0	21.0	22.0	23.0	24.0	25.0				
90	15.7	21.1	26.8	32.4	37.9	43.1	47.8	49.9	51.4	52.3	52.5	52.2	51.3	49.8	47.7				
95	33.6	42.2	51.5	61.2	71.1	80.8	90.0	94.1	97.4	99.8	101	102	102	101	99.6				
100	57.2	67.0	78.0	89.7	102	114	125	131	135	139	141	143	144	144	144				
105	85.7	97.0	110	123	137	151	164	170	175	178	181	183	184	183	182				
110	114	127	141	156	172	187	202	208	213	217	220	222	223	222	220				
115	144	158	173	190	207	224	240	248	254	259	262	265	266	266	265				
120	176	192	209	227	246	265	283	291	299	304	309	312	313	313	312				
125	205	222	240	259	279	298	317	327	335	342	348	352	355	357	357				
130	232	248	266	285	305	324	344	355	364	373	381	388	394	399	402				
135	256	271	287	305	323	342	360	371	382	391	400	409	416	423	429				
140	278	290	304	319	336	352	368	379	389	399	409	418	426	434	442				
145	297	307	319	331	344	358	372	381	391	400	409	417	426	434	442				
150	315	322	331	341	351	361	372	380	388	395	403	410	418	425	433				
155	330	335	342	348	356	363	371	377	382	388	394	399	405	411	416				
160	342	346	350	354	359	363	368	372	376	380	384	387	391	395	399				
165	352	353	355	358	360	363	366	368	370	372	374	377	379	381	384				
170	358	359	360	360	361	363	364	365	366	367	368	369	370	371	372				
175	361	361	362	362	362	362	362	363	363	363	364	364	364	365	365				
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357				

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: