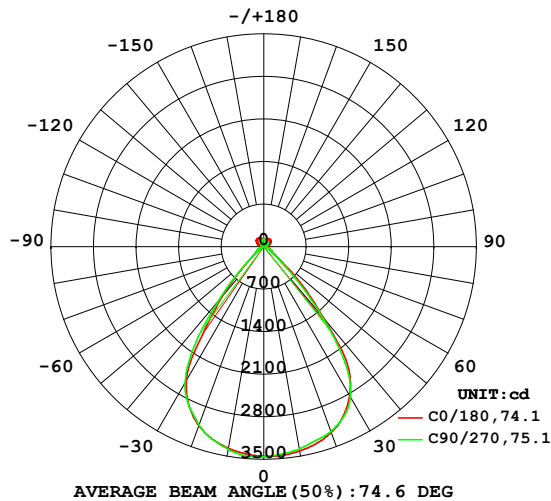


LUMINAIRE PHOTOMETRIC TEST REPORT

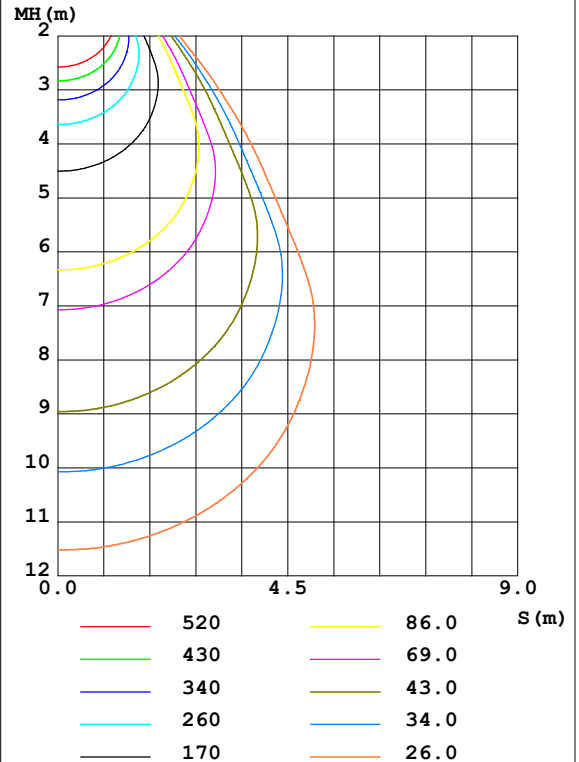
Test:U:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.00 lm/W			
MODEL		I _{max} (cd)	3466	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)	5620.5	η UP,DN(C0-180)	4.6,47.5
NOMINAL FLUX(lm)	5620.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.7,43.2
LAMPS INSIDE	1	η up(%)	9.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	90.7	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:

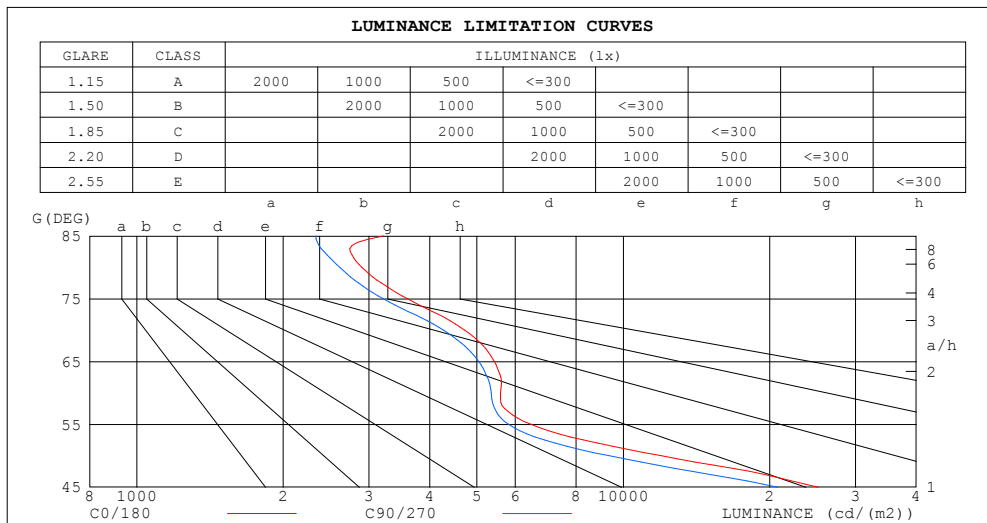
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3414	3392	3379	3376	3367	3390	3385	3408	0- 10	326.7	326.7	5.81,5.81
20	3251	3215	3233	3172	3134	3122	3122	3171	10- 20	930.7	1257	22.4,22.4
30	2827	2883	2851	2791	2551	2580	2595	2686	20- 30	1373	2630	46.8,46.8
40	1538	2123	1473	1939	1042	1559	1149	1786	30- 40	1379	4009	71.3,71.3
50	384.0	718.5	299.9	554.5	214.0	396.1	223.4	494.0	40- 50	723.3	4733	84.2,84.2
60	139.9	184.0	133.8	156.3	121.9	126.0	126.1	142.8	50- 60	213.1	4946	88,88
70	80.66	78.80	73.06	68.07	53.59	56.67	60.05	65.70	60- 70	100.8	5047	89.8,89.8
80	25.21	25.75	22.71	20.69	14.39	15.85	17.17	19.71	70- 80	42.23	5089	90.5,90.5
90	16.25	10.14	2.025	2.811	1.219	6.048	0.0971	15.99	80- 90	11.22	5100	90.7,90.7
100	49.31	36.16	8.883	49.71	46.05	54.40	11.24	42.29	90-100	22.62	5123	91.1,91.1
110	76.66	62.07	25.77	84.40	98.46	84.86	28.07	68.45	100-110	55.05	5178	92.1,92.1
120	107.6	88.03	44.00	113.6	134.4	109.2	45.62	93.99	110-120	78.69	5256	93.5,93.5
130	135.8	105.9	62.99	131.8	161.1	123.8	63.59	110.7	120-130	91.75	5348	95.2,95.2
140	150.0	115.5	80.80	137.2	170.0	128.1	81.19	118.6	130-140	90.94	5439	96.8,96.8
150	146.5	119.3	96.75	134.2	160.4	126.7	97.07	120.8	140-150	77.76	5517	98.2,98.2
160	134.5	120.2	109.1	128.2	142.7	123.8	109.9	120.8	150-160	57.47	5574	99.2,99.2
170	124.9	120.2	117.2	123.0	127.6	121.2	117.9	120.1	160-170	34.70	5609	99.8,99.8
180	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	170-180	11.55	5621	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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 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	3214	2332
80	2903	2616
75	3604	3212
70	4717	4272
65	5434	5047
60	5597	5352
55	6454	5809
50	11948	9330
45	25162	20761

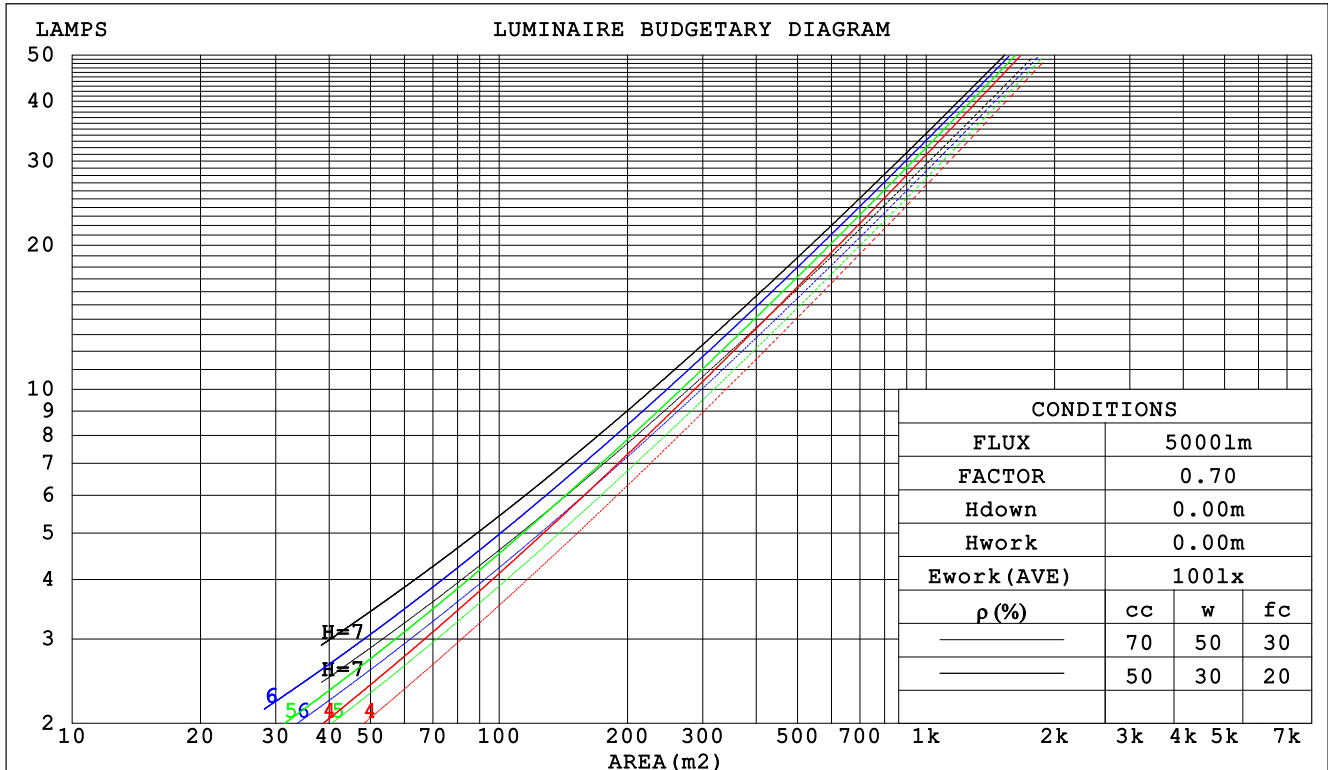
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.94	.94	.94	.91
1.0	1.07	1.04	1.01	1.04	1.01	.99	.98	.96	.94	.93	.91	.89	.88	.86	.85	.83
2.0	.97	.92	.88	.95	.90	.87	.90	.86	.83	.85	.83	.80	.81	.79	.77	.75
3.0	.89	.83	.78	.87	.81	.77	.83	.78	.74	.79	.75	.72	.75	.72	.70	.68
4.0	.81	.75	.70	.80	.73	.69	.76	.71	.67	.73	.69	.65	.70	.66	.63	.61
5.0	.75	.68	.63	.73	.67	.62	.70	.65	.61	.67	.63	.59	.65	.61	.58	.56
6.0	.69	.62	.57	.68	.61	.56	.65	.59	.55	.63	.58	.54	.60	.56	.53	.51
7.0	.64	.57	.52	.62	.56	.51	.60	.54	.50	.58	.53	.49	.56	.52	.49	.47
8.0	.59	.52	.47	.58	.51	.47	.56	.50	.46	.54	.49	.45	.52	.48	.45	.43
9.0	.55	.48	.43	.54	.48	.43	.52	.47	.42	.51	.46	.42	.49	.45	.41	.40
10.0	.51	.45	.40	.50	.44	.40	.49	.43	.39	.47	.42	.39	.46	.41	.38	.37



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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm					
NAME: 4FT			TYPE:3500K 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	.213	.121	.038	.203	.116	.037	.185	.106	.034	.169	.097	.031	.153	.089	.029		
2.0	.205	.112	.034	.196	.108	.033	.181	.100	.031	.166	.093	.029	.153	.086	.027		
3.0	.195	.104	.031	.187	.100	.030	.174	.094	.029	.161	.088	.027	.149	.082	.025		
4.0	.185	.096	.028	.178	.093	.028	.166	.088	.026	.154	.083	.025	.143	.078	.024		
5.0	.175	.089	.026	.169	.087	.025	.158	.082	.024	.148	.078	.023	.138	.074	.022		
6.0	.166	.083	.024	.161	.081	.023	.151	.077	.023	.141	.074	.022	.133	.070	.021		
7.0	.158	.078	.022	.153	.076	.022	.144	.073	.021	.135	.069	.020	.127	.066	.019		
8.0	.150	.073	.021	.146	.072	.020	.138	.069	.020	.130	.066	.019	.122	.063	.018		
9.0	.143	.069	.019	.139	.068	.019	.131	.065	.018	.124	.062	.018	.117	.060	.017		
10.0	.137	.066	.018	.133	.064	.018	.126	.062	.017	.119	.059	.017	.113	.057	.016		

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	.261	.261	.261	.223	.223	.223	.152	.152	.152	.087	.087	.087	.028	.028	.028	
1.0	.245	.228	.213	.209	.196	.183	.143	.135	.127	.082	.078	.074	.026	.025	.024	
2.0	.232	.204	.180	.199	.176	.156	.136	.121	.109	.079	.071	.064	.025	.023	.021	
3.0	.222	.186	.157	.190	.160	.136	.131	.111	.095	.075	.065	.056	.024	.021	.018	
4.0	.213	.172	.140	.183	.149	.122	.126	.104	.086	.073	.061	.051	.023	.020	.017	
5.0	.206	.161	.128	.177	.139	.111	.122	.097	.079	.071	.057	.047	.023	.019	.015	
6.0	.199	.152	.119	.171	.132	.103	.118	.092	.073	.068	.054	.043	.022	.018	.014	
7.0	.193	.145	.112	.166	.126	.097	.115	.088	.069	.067	.052	.041	.022	.017	.014	
8.0	.188	.139	.106	.161	.121	.093	.112	.085	.066	.065	.050	.039	.021	.016	.013	
9.0	.182	.134	.102	.157	.117	.089	.109	.082	.063	.063	.048	.038	.021	.016	.012	
10.0	.178	.130	.099	.153	.113	.086	.106	.080	.061	.062	.047	.037	.020	.015	.012	

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm										
NAME: 4FT					TYPE:3500K 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	21.3	22.3	21.6	22.7	23.0	20.7	21.8	21.1	22.1	22.4
3H	21.2	22.2	21.6	22.5	22.9	20.6	21.6	21.0	22.0	22.3
4H	21.2	22.1	21.6	22.5	22.9	20.6	21.5	21.0	21.9	22.3
6H	21.1	22.0	21.6	22.4	22.8	20.5	21.4	21.0	21.8	22.2
8H	21.1	21.9	21.5	22.3	22.7	20.5	21.3	20.9	21.7	22.2
12H	21.0	21.8	21.5	22.2	22.7	20.4	21.2	20.9	21.6	22.1
4H 2H	21.1	22.0	21.5	22.4	22.8	20.5	21.4	20.9	21.8	22.2
3H	21.1	21.8	21.5	22.3	22.7	20.5	21.3	21.0	21.7	22.2
4H	21.0	21.7	21.5	22.2	22.7	20.5	21.2	21.0	21.6	22.2
6H	21.0	21.6	21.5	22.1	22.6	20.4	21.1	21.0	21.6	22.1
8H	21.0	21.5	21.5	22.0	22.6	20.4	21.0	21.0	21.5	22.0
12H	20.9	21.5	21.5	22.0	22.6	20.4	20.9	20.9	21.4	22.0
8H 4H	20.9	21.5	21.5	22.0	22.6	20.4	20.9	20.9	21.5	22.0
6H	20.9	21.4	21.5	21.9	22.5	20.4	20.8	20.9	21.4	22.0
8H	20.9	21.3	21.5	21.9	22.5	20.3	20.7	20.9	21.3	22.0
12H	20.9	21.2	21.5	21.8	22.5	20.3	20.7	20.9	21.3	21.9
12H 4H	20.9	21.4	21.4	21.9	22.5	20.3	20.8	20.9	21.4	22.0
6H	20.9	21.3	21.5	21.8	22.5	20.3	20.7	20.9	21.3	21.9
8H	20.8	21.2	21.5	21.8	22.4	20.3	20.6	20.9	21.2	21.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 5.2					+ 2.4 / - 5.1				
1.5H	+ 2.6 / - 5.0					+ 2.7 / - 5.2				
2.0H	+ 4.7 / - 4.0					+ 4.1 / - 3.3				

CIE Pub.117 Corrected 5621 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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

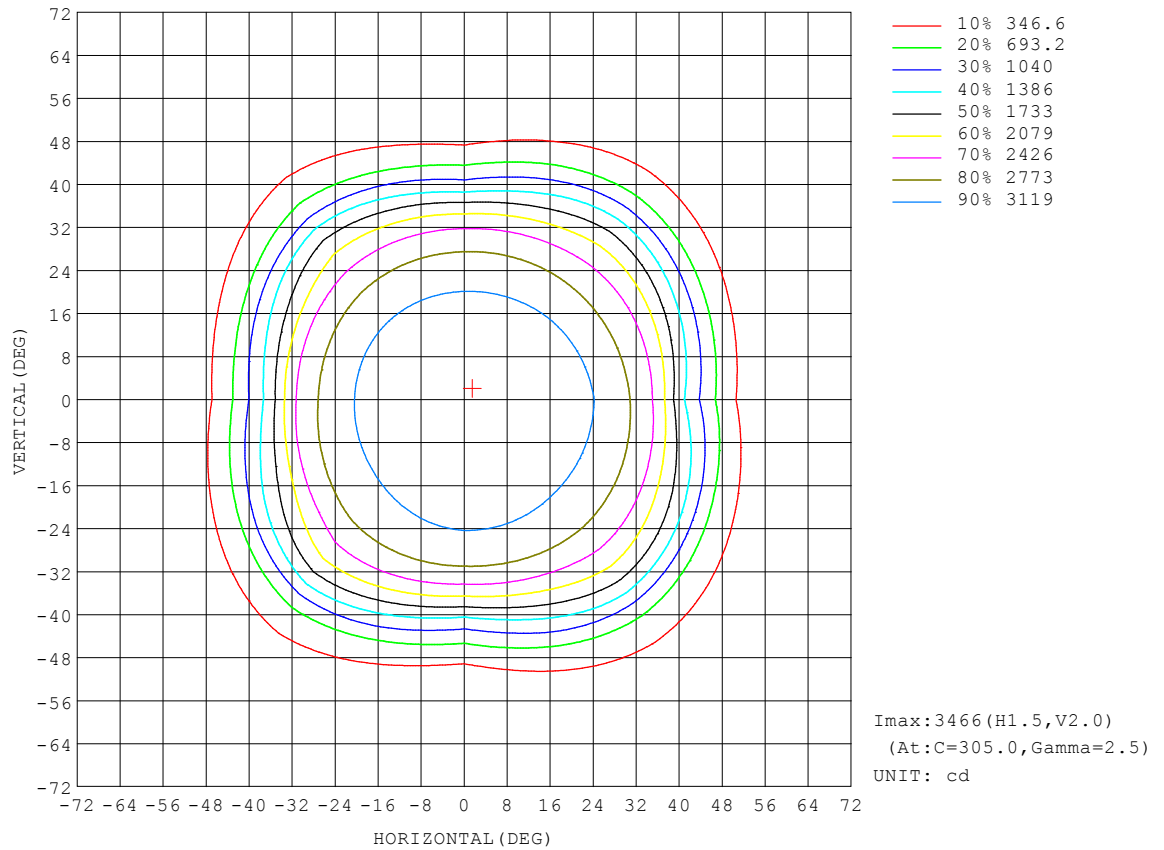
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	71	64	60	55
0.80	82	74	69	81	74	69	79	73	68	63
1.00	89	81	76	87	80	76	85	80	75	69
1.25	94	87	82	92	86	81	89	84	80	74
1.50	98	91	86	96	90	86	92	87	84	77
2.00	102	96	92	100	94	91	95	91	88	80
2.50	104	99	95	102	97	93	97	93	91	82
3.00	106	102	98	104	100	96	99	95	93	83
4.00	109	105	102	106	103	100	101	98	96	85
5.00	110	107	105	107	105	102	102	100	98	87
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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

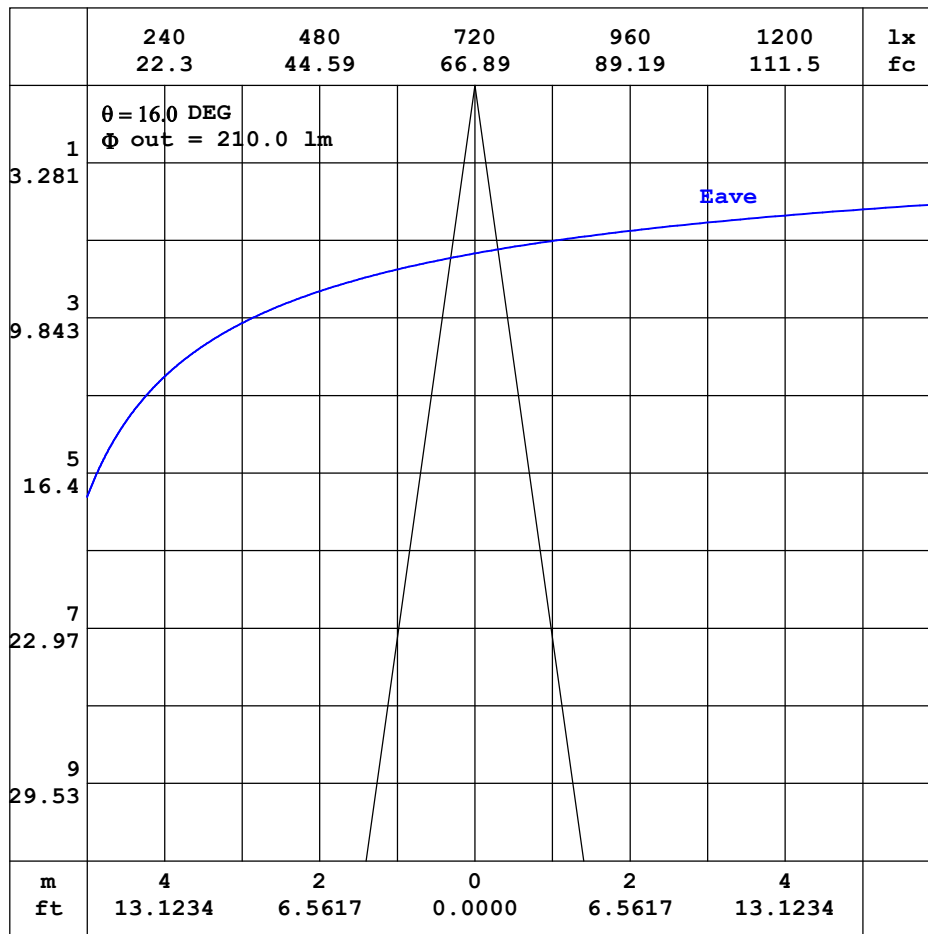


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



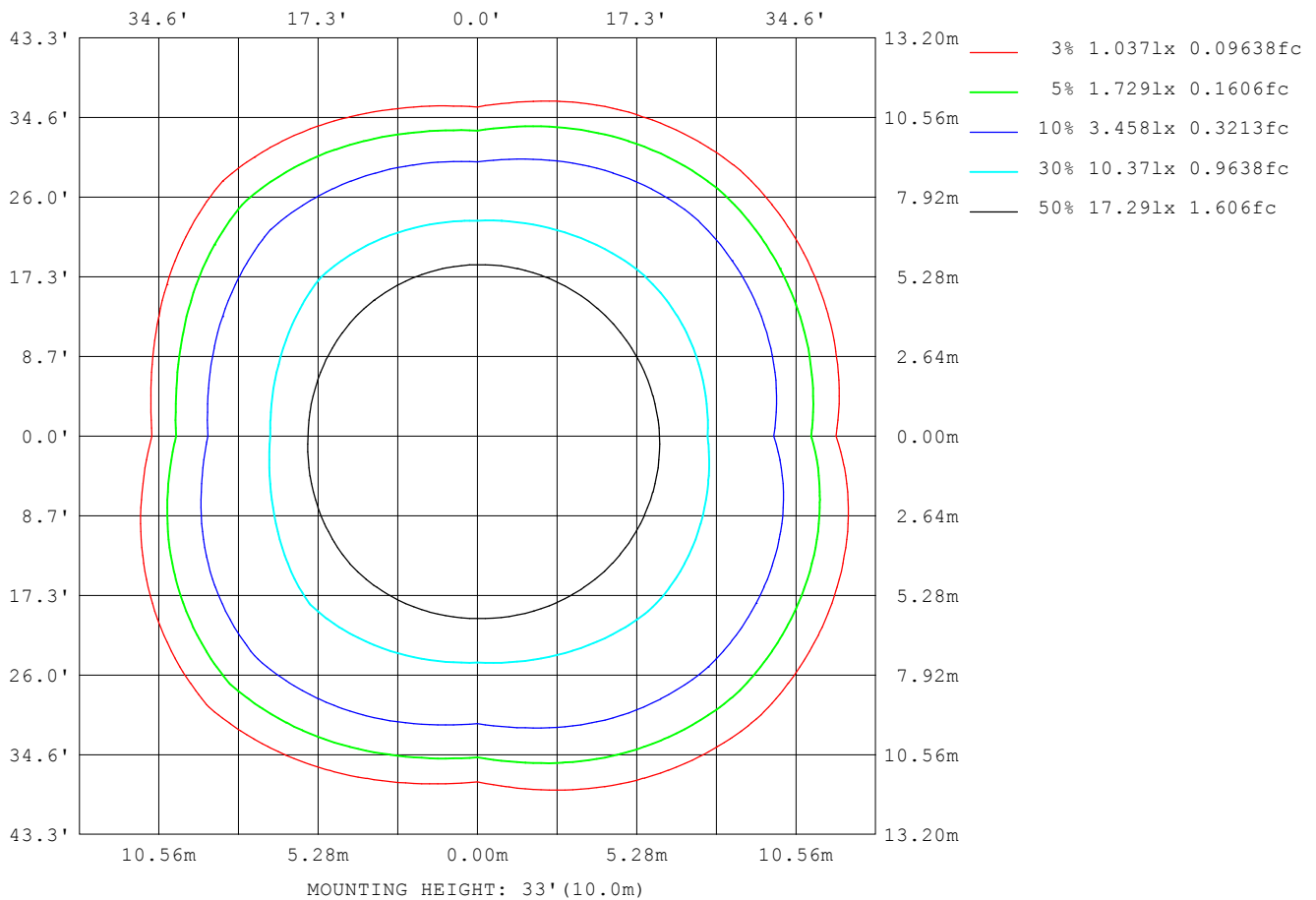
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

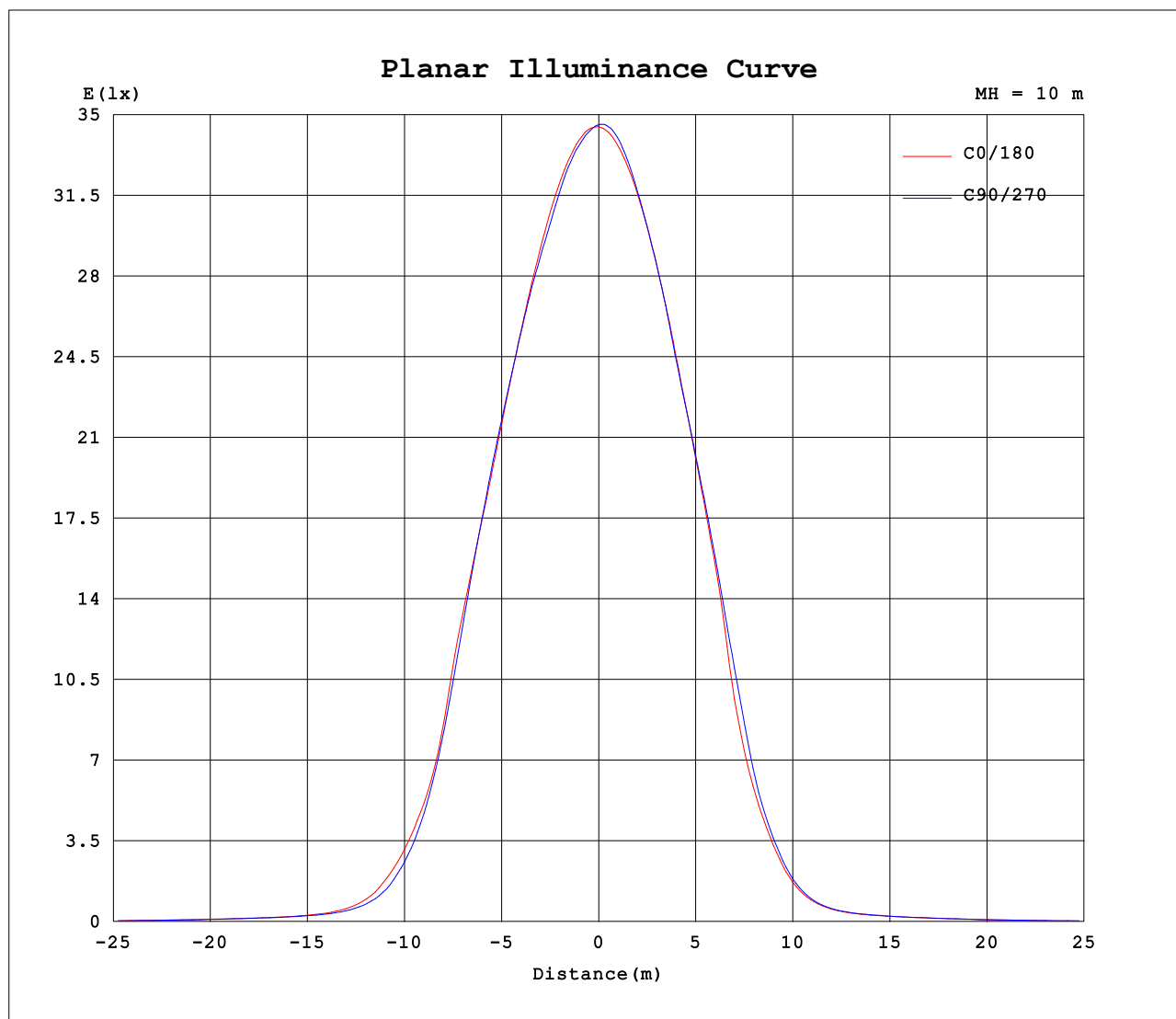
AvgL	cd/m2
L_0~180 (65) av	4830
L_0~180 (75) av	2929
L_0~180 (85) av	2122
L_90~270 (65) av	4791
L_90~270 (75) av	2897
L_90~270 (85) av	1829
L_45 (65) av	4765
L_45 (75) av	3018
L_45 (85) av	2094

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm																	
NAME: 4FT									TYPE:3500K 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	3449	3449	3449	3450	3450	3451	3451	3451	3452	3452	3453	3453	3454	3454	3454	3455	3455	3456	3456
5	3444	3442	3440	3439	3437	3435	3434	3432	3431	3430	3429	3428	3427	3427	3426	3425	3425	3425	3425
10	3414	3411	3408	3406	3403	3401	3399	3396	3394	3392	3390	3389	3387	3385	3384	3382	3381	3380	3379
15	3354	3348	3343	3338	3334	3329	3325	3322	3319	3316	3313	3311	3310	3308	3307	3306	3305	3304	3303
20	3251	3244	3238	3233	3228	3224	3221	3218	3216	3215	3217	3219	3221	3224	3227	3229	3231	3233	3233
25	3087	3087	3087	3087	3088	3088	3088	3089	3089	3090	3092	3094	3097	3098	3100	3101	3101	3100	3099
30	2827	2837	2847	2855	2862	2869	2874	2878	2881	2883	2882	2881	2879	2876	2872	2868	2863	2857	2851
35	2430	2465	2495	2520	2541	2557	2568	2575	2577	2574	2553	2529	2501	2472	2442	2413	2385	2359	2336
40	1538	1664	1775	1870	1950	2015	2065	2100	2119	2123	2069	2002	1927	1847	1764	1681	1603	1533	1473
45	890	1022	1137	1236	1318	1384	1433	1466	1482	1482	1418	1341	1255	1162	1067	974	884	803	734
50	384	458	523	579	626	663	691	709	718	718	683	640	592	541	488	435	385	339	300
55	185	220	250	276	298	316	330	339	345	346	331	313	293	271	248	225	204	184	167
60	140	149	158	165	171	176	180	182	184	184	180	175	170	163	157	151	145	139	134
65	115	115	115	115	114	114	114	114	113	113	112	112	111	110	110	109	108	107	107
70	80.7	80.6	80.6	80.5	80.3	80.1	79.9	79.6	79.2	78.8	78.3	77.7	77.1	76.5	75.8	75.1	74.4	73.7	73.1
75	46.6	47.1	47.5	47.8	48.0	48.2	48.2	48.2	48.0	47.8	47.2	46.6	46.0	45.2	44.5	43.7	43.0	42.3	41.6
80	25.2	25.4	25.6	25.8	25.9	25.9	26.0	25.9	25.9	25.7	25.5	25.2	24.9	24.6	24.2	23.8	23.5	23.1	22.7
85	14.0	13.9	13.7	13.6	13.4	13.3	13.1	12.9	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.9	10.7	10.4	10.2
90	16.3	15.7	15.1	14.4	13.8	13.1	12.4	11.7	10.9	10.1	9.13	8.12	7.12	6.13	5.18	4.28	3.44	2.69	2.02
95	33.9	33.3	32.7	31.8	30.9	29.8	28.5	27.1	25.6	23.9	21.1	18.2	15.4	12.6	9.92	7.48	5.33	3.53	2.15
100	49.3	48.5	47.6	46.5	45.2	43.7	42.1	40.3	38.3	36.2	32.3	28.4	24.6	20.9	17.5	14.5	12.0	10.1	8.88
105	63.2	62.4	61.4	60.1	58.7	57.1	55.3	53.2	51.0	48.5	44.0	39.5	35.0	30.7	26.8	23.3	20.4	18.3	17.1
110	76.7	76.1	75.3	74.2	72.9	71.2	69.3	67.2	64.8	62.1	57.0	51.8	46.6	41.7	37.1	33.1	29.7	27.3	25.8
115	91.9	91.3	90.5	89.3	87.8	86.0	83.9	81.5	78.8	75.8	70.0	64.1	58.3	52.7	47.5	43.0	39.2	36.3	34.7
120	108	107	105	104	102	99.7	97.3	94.5	91.4	88.0	81.8	75.5	69.3	63.3	57.7	52.9	48.8	45.8	44.0
125	123	121	119	117	114	111	108	105	102	98.0	91.6	85.1	78.7	72.7	67.1	62.2	58.2	55.3	53.5
130	136	133	130	127	124	121	117	114	110	106	99.5	93.1	86.9	81.0	75.7	71.0	67.3	64.5	63.0
135	145	142	138	135	131	127	123	120	116	112	106	99.5	93.7	88.3	83.5	79.3	75.9	73.5	72.2
140	150	146	142	139	135	131	127	123	119	116	110	105	99.5	94.7	90.4	86.8	83.9	81.8	80.8
145	150	146	143	139	135	132	128	125	121	118	113	109	104	100	96.8	93.8	91.5	89.9	89.1
150	147	143	140	137	134	131	128	125	122	119	116	112	109	105	103	100	98.5	97.3	96.7
155	141	138	136	133	131	129	126	124	122	120	117	114	112	110	108	106	105	104	103
160	134	133	131	129	128	126	125	123	122	120	118	116	115	113	112	111	110	109	109
165	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	115	114	114	114
170	125	124	124	123	123	122	122	121	121	120	120	119	119	118	118	118	117	117	117
175	122	122	122	121	121	121	121	120	120	120	120	120	120	120	119	119	119	119	119
180	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm																	
NAME: 4FT									TYPE:3500K 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	3457	3458	3458	3459	3459	3459	3460	3460	3460	3459	3457	3456	3455	3453	3452	3451	3450	3449	3449
5	3425	3425	3425	3426	3426	3426	3427	3427	3427	3426	3426	3425	3424	3423	3423	3422	3422	3422	3424
10	3379	3378	3378	3378	3377	3377	3377	3377	3376	3375	3373	3372	3371	3370	3369	3368	3367	3367	3369
15	3303	3302	3301	3300	3299	3298	3297	3296	3295	3293	3291	3288	3286	3284	3282	3280	3278	3277	3277
20	3229	3223	3217	3210	3203	3195	3187	3180	3172	3167	3162	3157	3152	3148	3144	3140	3137	3134	3132
25	3094	3087	3080	3072	3064	3054	3044	3033	3021	3007	2993	2978	2964	2950	2937	2924	2913	2902	2899
30	2849	2846	2842	2837	2831	2824	2815	2804	2791	2765	2738	2709	2680	2651	2623	2597	2573	2551	2546
35	2351	2370	2389	2408	2425	2438	2446	2448	2441	2369	2291	2207	2122	2036	1954	1878	1810	1752	1772
40	1515	1567	1627	1690	1753	1813	1866	1910	1939	1856	1760	1655	1544	1431	1321	1217	1123	1042	1073
45	771	821	878	941	1006	1069	1127	1177	1215	1152	1077	994	904	813	722	635	555	484	500
50	318	343	373	405	439	473	505	532	555	526	491	452	410	367	325	284	246	214	224
55	174	185	197	211	225	240	254	266	276	265	253	238	222	206	190	174	159	147	150
60	135	137	140	143	146	149	152	154	156	154	150	146	142	138	134	130	126	122	121
65	106	106	105	105	104	103	103	102	101	99.8	98.4	97.0	95.6	94.2	92.8	91.5	90.3	89.3	88.8
70	72.7	72.2	71.8	71.4	70.8	70.3	69.6	68.9	68.1	66.4	64.7	63.0	61.2	59.5	57.8	56.2	54.8	53.6	53.4
75	41.3	41.2	41.0	40.8	40.6	40.4	40.1	39.8	39.4	38.3	37.1	35.9	34.6	33.4	32.2	31.1	30.1	29.2	29.0
80	22.5	22.4	22.2	22.0	21.8	21.6	21.3	21.0	20.7	20.0	19.2	18.5	17.7	16.9	16.2	15.5	14.9	14.4	14.3
85	10.1	10.0	9.94	9.87	9.78	9.68	9.55	9.39	9.19	8.67	8.12	7.55	6.97	6.40	5.86	5.35	4.89	4.49	4.49
90	2.05	2.10	2.17	2.25	2.33	2.41	2.48	2.63	2.81	2.59	2.35	2.11	1.87	1.67	1.49	1.33	1.24	1.22	1.75
95	3.43	5.12	7.13	9.36	11.7	14.2	16.5	18.8	20.8	20.4	19.7	18.9	17.9	16.9	16.0	15.2	14.5	14.1	16.3
100	12.1	16.0	20.5	25.3	30.4	35.5	40.5	45.3	49.7	50.5	50.8	50.6	50.2	49.6	48.7	47.8	46.9	46.1	47.5
105	20.8	25.4	30.7	36.5	42.7	49.0	55.4	61.6	67.5	70.4	72.9	74.9	76.5	77.7	78.6	79.1	79.3	79.3	79.6
110	30.1	35.5	41.7	48.4	55.6	62.9	70.3	77.5	84.4	87.9	90.8	93.2	95.1	96.6	97.7	98.3	98.6	98.5	98.6
115	39.6	45.6	52.5	60.1	68.1	76.4	84.8	92.9	101	105	108	111	113	115	116	117	117	117	117
120	49.1	55.4	62.6	70.5	79.0	87.8	96.6	105	114	118	122	126	129	131	133	134	134	134	134
125	58.6	64.9	72.2	80.2	88.8	97.7	107	116	124	129	134	138	142	145	147	149	150	150	149
130	67.9	73.9	81.0	88.8	97.1	106	115	123	132	137	143	147	151	155	157	159	161	161	159
135	76.7	82.2	88.7	95.9	104	112	120	128	136	142	147	152	157	160	163	166	167	168	166
140	84.7	89.5	95.1	101	108	115	123	130	137	143	148	153	158	162	165	167	169	170	168
145	92.3	96.3	101	106	112	118	124	130	136	142	147	151	155	159	162	165	166	167	165
150	99.2	102	106	110	115	119	124	129	134	139	143	147	150	153	156	158	160	160	158
155	105	108	110	113	117	120	124	128	131	135	138	141	144	146	148	150	151	152	150
160	110	112	114	116	118	121	123	126	128	131	133	135	137	139	140	141	142	143	142
165	114	115	117	118	119	121	122	124	125	127	128	129	131	132	133	133	134	134	133
170	118	118	119	119	120	121	121	122	123	124	124	125	126	126	127	127	127	128	127
175	120	120	120	120	120	121	121	121	122	122	122	122	123	123	123	123	123	123	123
180	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm																		
NAME: 4FT									TYPE:3500K 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	3449	3449	3449	3450	3450	3451	3452	3452	3453	3453	3454	3454	3454	3455	3455	3456	3456	3457	3458
5	3426	3428	3430	3433	3435	3438	3440	3442	3444	3445	3447	3448	3449	3450	3451	3452	3453	3454	3455
10	3372	3374	3377	3380	3382	3385	3387	3390	3389	3389	3388	3388	3387	3386	3386	3385	3385	3387	3390
15	3278	3278	3279	3280	3281	3282	3284	3284	3284	3283	3283	3282	3281	3281	3280	3280	3281	3282	3283
20	3130	3128	3126	3125	3124	3123	3123	3122	3121	3120	3119	3118	3118	3118	3119	3120	3122	3125	3129
25	2897	2896	2896	2897	2899	2901	2903	2906	2905	2904	2903	2902	2902	2902	2902	2903	2905	2910	2915
30	2544	2545	2547	2552	2558	2565	2572	2580	2581	2581	2582	2583	2584	2586	2588	2591	2595	2601	2609
35	1802	1842	1888	1938	1991	2044	2095	2141	2134	2121	2104	2085	2065	2045	2027	2011	2000	2024	2054
40	1117	1173	1236	1305	1374	1442	1505	1559	1523	1479	1428	1374	1319	1267	1219	1179	1149	1203	1268
45	527	562	603	648	694	740	783	820	791	757	718	678	639	602	569	544	526	577	637
50	240	260	283	307	331	355	377	396	380	360	339	316	293	271	252	235	223	247	274
55	155	161	169	177	186	194	202	208	203	197	190	182	175	168	161	156	152	161	171
60	121	121	122	122	123	124	125	126	126	126	125	125	125	125	125	126	126	128	130
65	88.5	88.4	88.3	88.4	88.6	88.8	89.2	89.6	90.2	90.8	91.5	92.2	92.9	93.6	94.4	95.1	95.8	96.0	96.2
70	53.4	53.5	53.8	54.2	54.8	55.4	56.0	56.7	57.0	57.3	57.7	58.0	58.4	58.8	59.2	59.6	60.0	60.4	60.9
75	29.0	29.1	29.3	29.6	30.0	30.4	30.9	31.3	31.5	31.7	31.9	32.1	32.3	32.6	32.8	33.1	33.4	33.7	34.1
80	14.3	14.4	14.6	14.7	15.0	15.3	15.5	15.8	16.0	16.1	16.2	16.4	16.5	16.7	16.8	17.0	17.2	17.4	17.6
85	4.57	4.69	4.86	5.07	5.29	5.53	5.77	5.99	5.96	5.92	5.86	5.81	5.76	5.73	5.72	5.73	5.77	5.97	6.21
90	2.34	2.96	3.60	4.21	4.79	5.30	5.73	6.05	5.32	4.51	3.65	2.79	1.98	1.26	0.68	0.28	0.10	1.47	3.06
95	18.8	21.3	23.9	26.4	28.6	30.6	32.2	33.3	30.6	27.4	23.9	20.2	16.4	12.8	9.48	6.53	4.11	5.69	7.84
100	49.1	50.6	52.1	53.3	54.2	54.8	54.9	54.4	49.9	44.8	39.5	34.1	28.7	23.6	18.8	14.7	11.2	12.8	15.2
105	79.7	79.4	78.8	77.8	76.5	74.7	72.4	69.7	63.9	57.7	51.3	45.0	38.8	33.0	27.8	23.2	19.5	21.2	23.9
110	98.4	97.8	96.8	95.3	93.4	91.1	88.2	84.9	78.1	71.0	63.8	56.6	49.7	43.1	37.2	32.1	28.1	30.1	33.2
115	116	115	113	111	109	106	102	98.1	90.7	82.9	75.0	67.2	59.7	52.7	46.4	41.0	36.8	39.1	42.6
120	133	131	128	126	122	118	114	109	101	93.1	84.8	76.7	69.0	61.8	55.4	49.9	45.6	48.1	51.9
125	147	144	141	138	133	129	124	118	110	102	93.2	85.1	77.4	70.3	64.0	58.7	54.6	57.1	60.7
130	157	154	150	146	141	136	130	124	116	108	99.9	92.1	84.9	78.2	72.3	67.4	63.6	65.9	69.3
135	163	159	155	150	145	139	133	127	120	112	105	97.9	91.3	85.4	80.2	75.8	72.6	74.6	77.7
140	165	161	156	151	146	140	134	128	122	115	109	103	97.0	91.9	87.5	83.9	81.2	82.8	85.4
145	162	158	154	149	144	139	133	128	122	117	111	107	102	97.8	94.3	91.4	89.3	90.6	92.6
150	156	153	149	145	141	136	131	127	122	118	114	110	107	103	101	98.6	97.1	98.0	99.5
155	148	146	143	140	136	133	129	125	122	119	116	113	111	108	107	105	104	105	106
160	140	138	136	134	131	129	126	124	122	120	118	116	114	113	112	111	110	110	111
165	132	131	130	129	127	126	124	122	121	120	119	118	117	116	115	115	115	115	115
170	127	126	125	125	124	123	122	121	121	120	120	119	119	119	118	118	118	118	118
175	123	123	122	122	122	121	121	121	120	120	120	120	120	120	120	120	120	120	120
180	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:5620.5x1 lm																	
NAME: 4FT									TYPE:3500K 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	3458	3459	3459	3459	3460	3460	3460	3459	3458	3458	3456	3455	3454	3452	3451				
5	3456	3457	3457	3458	3458	3458	3458	3457	3457	3455	3454	3453	3451	3449	3447				
10	3392	3395	3397	3400	3403	3406	3408	3410	3411	3412	3413	3413	3414	3414	3414				
15	3285	3287	3290	3293	3296	3300	3304	3308	3312	3317	3323	3328	3334	3340	3347				
20	3134	3139	3144	3151	3157	3164	3171	3179	3186	3195	3203	3212	3221	3231	3241				
25	2921	2928	2935	2943	2952	2962	2972	2982	2993	3005	3017	3030	3043	3057	3072				
30	2618	2627	2638	2649	2660	2673	2686	2699	2713	2727	2742	2758	2774	2791	2809				
35	2087	2123	2160	2200	2239	2277	2315	2337	2357	2375	2390	2403	2413	2421	2427				
40	1340	1417	1497	1576	1653	1723	1786	1802	1807	1802	1785	1757	1719	1670	1609				
45	703	772	844	914	982	1045	1100	1116	1121	1117	1103	1080	1047	1004	952				
50	305	338	372	405	438	468	494	501	502	500	492	480	463	441	415				
55	182	193	205	217	227	237	246	246	245	242	238	231	222	212	199				
60	132	134	136	138	140	141	143	143	144	144	144	144	143	142	141				
65	96.5	96.7	97.0	97.4	97.8	98.4	99.1	100	101	103	105	106	108	110	112				
70	61.3	61.9	62.5	63.1	63.9	64.7	65.7	66.9	68.2	69.7	71.2	72.9	74.6	76.5	78.5				
75	34.5	34.9	35.4	35.9	36.4	37.0	37.7	38.5	39.3	40.2	41.1	42.1	43.1	44.3	45.4				
80	17.8	18.0	18.3	18.6	19.0	19.3	19.7	20.2	20.7	21.2	21.8	22.4	23.0	23.7	24.4				
85	6.49	6.80	7.15	7.52	7.93	8.37	8.84	9.31	9.80	10.3	10.9	11.4	12.0	12.7	13.3				
90	4.82	6.69	8.63	10.6	12.5	14.3	16.0	16.8	17.4	17.8	18.0	18.1	17.9	17.5	17.0				
95	10.5	13.4	16.7	20.1	23.5	26.9	30.1	31.6	32.8	33.8	34.5	34.9	35.1	34.9	34.5				
100	18.2	21.7	25.6	29.8	34.0	38.2	42.3	44.3	45.9	47.3	48.4	49.2	49.6	49.8	49.7				
105	27.2	31.2	35.6	40.3	45.1	49.9	54.5	56.8	58.7	60.3	61.6	62.6	63.2	63.5	63.5				
110	37.1	41.7	46.8	52.2	57.7	63.2	68.5	71.0	73.1	74.8	76.1	77.0	77.5	77.6	77.3				
115	47.0	52.1	57.8	63.8	70.0	76.1	82.0	84.8	87.2	89.2	90.8	91.9	92.5	92.8	92.5				
120	56.6	62.0	68.1	74.5	81.1	87.6	94.0	97.2	100	102	104	106	107	108	108				
125	65.4	70.9	77.0	83.5	90.2	97.0	104	107	110	113	116	118	120	121	122				
130	73.8	79.0	84.8	91.1	97.6	104	111	115	118	122	125	127	130	132	134				
135	81.6	86.3	91.6	97.4	103	110	116	120	123	127	130	134	137	140	142				
140	88.8	92.8	97.4	102	108	113	119	122	126	130	133	137	140	144	147				
145	95.3	98.6	102	106	111	115	120	123	127	130	134	137	140	144	147				
150	102	104	107	110	114	117	121	124	126	129	132	135	138	141	144				
155	107	109	111	113	116	118	121	123	125	127	129	132	134	136	138				
160	112	113	114	116	117	119	121	122	124	125	127	128	130	131	133				
165	115	116	117	118	118	119	120	121	122	123	124	125	126	127	128				
170	118	118	119	119	119	120	120	121	121	121	122	122	123	124	124				
175	120	120	120	120	120	120	120	120	120	121	121	121	121	122	122				
180	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116				

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: