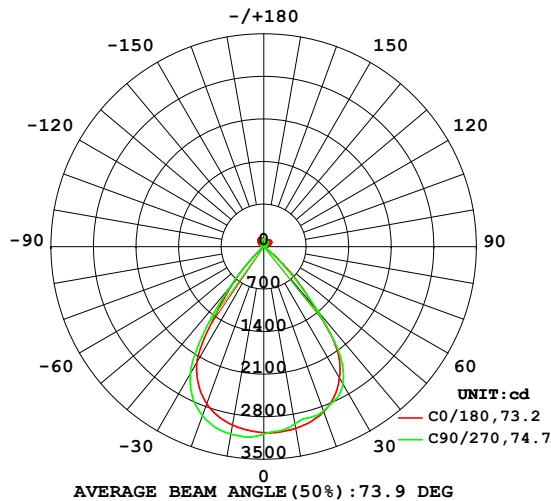


LUMINAIRE PHOTOMETRIC TEST REPORT

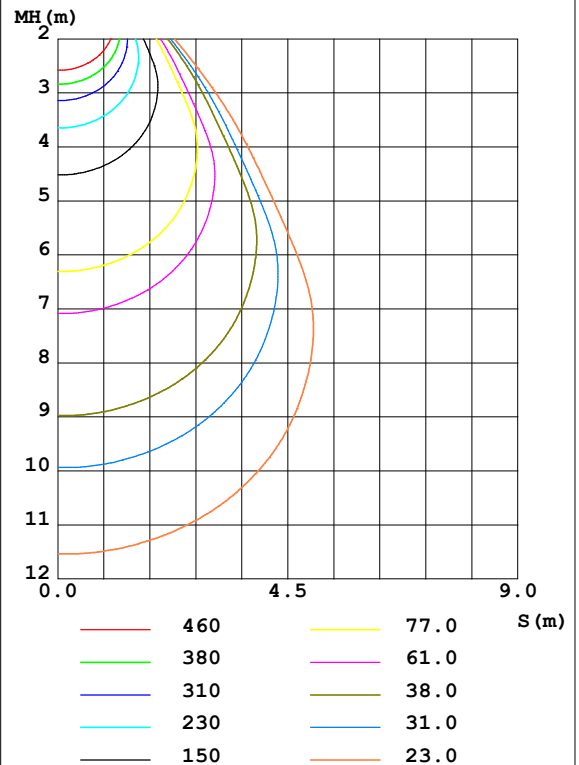
Test:U:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.39 lm/W			
MODEL		I _{max} (cd)	3150	S/MH(C0/180)	1.12
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4793.0	η UP,DN(C0-180)	5.1,46.9
NOMINAL FLUX(lm)	4792.97	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.2,42.8
LAMPS INSIDE	1	η up(%)	10.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	89.7	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:

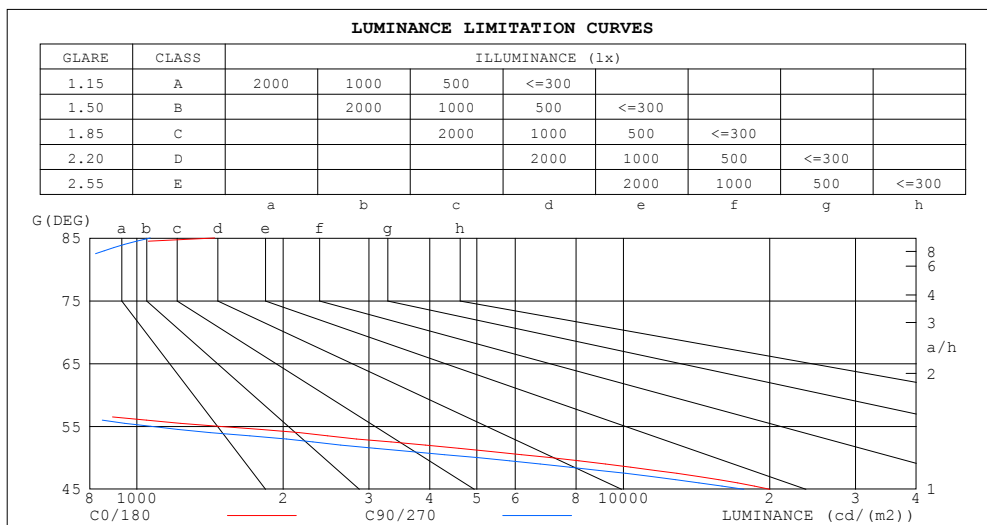
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3035	3000	2959	2986	2979	3092	3132	3129	0- 10	292.6	292.6	6.1,6.1
20	2887	2829	2877	2776	2751	2906	2960	2979	10- 20	837.4	1130	23.6,23.6
30	2492	2551	2603	2449	2204	2402	2422	2536	20- 30	1243	2373	49.5,49.5
40	1319	1909	1369	1711	794.9	1348	873.9	1593	30- 40	1230	3604	75.2,75.2
50	228.0	596.0	161.4	406.0	53.62	216.5	50.25	318.2	40- 50	582.1	4186	87.3,87.3
60	13.47	63.00	15.15	36.79	12.11	11.68	9.496	20.98	50- 60	89.67	4275	89.2,89.2
70	7.778	9.703	10.09	9.376	7.020	6.248	6.398	6.468	60- 70	11.87	4287	89.4,89.4
80	4.021	5.860	6.145	5.701	3.777	3.782	3.934	4.014	70- 80	6.545	4294	89.6,89.6
90	30.49	14.90	2.968	3.618	1.994	5.019	0.2694	28.91	80- 90	6.010	4300	89.7,89.7
100	72.05	56.68	6.514	26.13	21.23	34.78	11.06	54.72	90-100	25.30	4325	90.2,90.2
110	95.88	82.25	22.27	51.39	57.99	59.66	27.72	77.65	100-110	50.63	4376	91.3,91.3
120	131.0	99.70	39.79	80.61	87.33	88.64	45.22	92.57	110-120	70.47	4446	92.8,92.8
130	143.0	108.7	58.55	109.3	120.1	114.9	63.25	102.0	120-130	82.92	4529	94.5,94.5
140	142.0	111.2	77.25	129.6	148.0	132.6	81.22	106.6	130-140	84.29	4613	96.3,96.3
150	132.7	111.9	95.13	138.4	161.2	139.0	98.12	109.3	140-150	75.01	4688	97.8,97.8
160	124.1	113.6	109.4	137.5	155.2	136.5	112.1	113.1	150-160	57.44	4746	99,99
170	120.5	117.1	119.1	131.0	138.5	129.4	120.6	117.8	160-170	35.34	4781	99.8,99.8
180	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	170-180	11.81	4793	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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	1446	1066
80	463	708
75	444	619
70	455	590
65	480	581
60	539	606
55	1465	1066
50	7095	5021
45	20006	17677

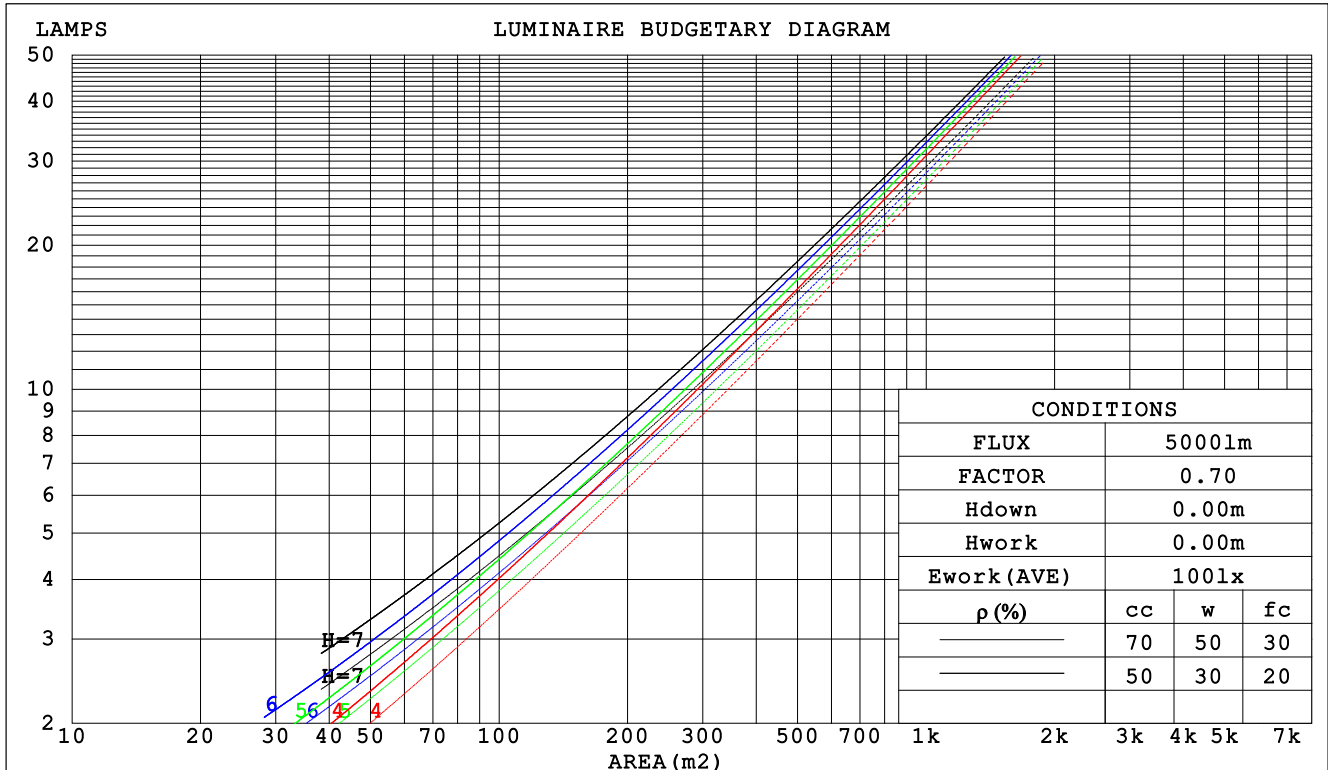
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	1.07	1.04	1.02	1.04	1.01	.99	.98	.96	.94	.92	.91	.90	.87	.86	.85	.83
2.0	.98	.94	.90	.95	.91	.88	.91	.87	.84	.86	.83	.81	.82	.80	.78	.76
3.0	.90	.84	.80	.88	.83	.79	.84	.79	.76	.80	.76	.74	.76	.74	.71	.69
4.0	.83	.77	.72	.81	.75	.71	.77	.73	.69	.74	.70	.67	.71	.68	.65	.63
5.0	.76	.70	.65	.75	.69	.64	.72	.67	.63	.69	.64	.61	.66	.63	.60	.58
6.0	.71	.64	.59	.69	.63	.58	.67	.61	.57	.64	.59	.56	.62	.58	.55	.53
7.0	.65	.59	.54	.64	.58	.53	.62	.56	.52	.60	.55	.51	.58	.54	.50	.49
8.0	.61	.54	.49	.60	.53	.49	.58	.52	.48	.56	.51	.47	.54	.50	.46	.45
9.0	.56	.50	.45	.56	.49	.45	.54	.48	.44	.52	.47	.44	.51	.46	.43	.41
10.0	.53	.46	.42	.52	.46	.42	.50	.45	.41	.49	.44	.40	.47	.43	.40	.38



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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	.202	.115	.036	.192	.110	.035	.174	.100	.032	.156	.090	.029	.141	.082	.026		
2.0	.194	.106	.033	.186	.102	.031	.169	.094	.029	.154	.087	.027	.141	.080	.025		
3.0	.185	.099	.030	.178	.095	.029	.163	.089	.027	.150	.082	.025	.138	.076	.024		
4.0	.177	.092	.027	.170	.089	.026	.157	.083	.025	.145	.078	.024	.134	.073	.022		
5.0	.168	.086	.025	.162	.083	.024	.151	.078	.023	.140	.074	.022	.130	.069	.021		
6.0	.160	.080	.023	.155	.078	.022	.144	.074	.022	.135	.070	.021	.125	.066	.020		
7.0	.153	.076	.021	.148	.074	.021	.138	.070	.020	.129	.066	.019	.121	.063	.018		
8.0	.146	.071	.020	.141	.070	.020	.132	.066	.019	.124	.063	.018	.117	.060	.017		
9.0	.139	.067	.019	.135	.066	.018	.127	.063	.018	.119	.060	.017	.112	.057	.016		
10.0	.133	.064	.018	.129	.062	.017	.122	.060	.017	.115	.057	.016	.108	.054	.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	.269	.269	.269	.230	.230	.230	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.252	.236	.222	.216	.203	.191	.147	.139	.132	.085	.081	.077	.027	.026	.025	
2.0	.239	.212	.189	.205	.182	.164	.140	.126	.114	.081	.073	.067	.026	.024	.022	
3.0	.228	.194	.166	.196	.167	.144	.134	.116	.101	.078	.068	.060	.025	.022	.020	
4.0	.219	.180	.149	.188	.155	.130	.129	.108	.091	.075	.063	.054	.024	.021	.018	
5.0	.212	.169	.137	.182	.146	.119	.125	.102	.084	.073	.060	.050	.023	.020	.016	
6.0	.205	.160	.128	.176	.139	.111	.122	.097	.079	.071	.057	.047	.023	.019	.015	
7.0	.199	.153	.121	.171	.133	.105	.118	.093	.074	.069	.055	.044	.022	.018	.015	
8.0	.194	.147	.115	.167	.128	.100	.115	.090	.071	.067	.053	.042	.022	.017	.014	
9.0	.189	.142	.111	.163	.123	.097	.113	.087	.069	.066	.051	.041	.021	.017	.014	
10.0	.184	.138	.107	.159	.120	.094	.110	.084	.066	.064	.050	.040	.021	.016	.013	

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	20.6	21.6	20.9	21.9	22.3	20.2	21.2	20.5	21.5	21.9
3H	20.3	21.3	20.8	21.6	22.0	19.9	20.9	20.4	21.2	21.6
4H	20.2	21.1	20.7	21.5	21.9	19.8	20.7	20.3	21.1	21.5
6H	20.1	20.9	20.6	21.3	21.8	19.7	20.5	20.2	20.9	21.4
8H	20.1	20.8	20.5	21.3	21.7	19.7	20.4	20.1	20.9	21.3
12H	20.0	20.7	20.5	21.2	21.7	19.6	20.3	20.1	20.8	21.3
4H 2H	20.3	21.1	20.7	21.5	21.9	19.9	20.7	20.3	21.1	21.5
3H	20.0	20.8	20.5	21.2	21.7	19.6	20.4	20.1	20.8	21.3
4H	19.9	20.6	20.4	21.0	21.6	19.5	20.2	20.0	20.6	21.2
6H	19.8	20.4	20.3	20.9	21.4	19.4	20.0	19.9	20.5	21.0
8H	19.7	20.3	20.3	20.8	21.4	19.4	19.9	19.9	20.4	21.0
12H	19.7	20.2	20.3	20.7	21.3	19.3	19.8	19.9	20.3	20.9
8H 4H	19.7	20.3	20.3	20.8	21.4	19.3	19.9	19.9	20.4	21.0
6H	19.6	20.1	20.2	20.6	21.2	19.2	19.7	19.8	20.2	20.8
8H	19.6	19.9	20.2	20.5	21.2	19.2	19.5	19.8	20.1	20.8
12H	19.5	19.8	20.1	20.4	21.1	19.1	19.4	19.7	20.0	20.7
12H 4H	19.7	20.2	20.3	20.7	21.3	19.3	19.8	19.9	20.3	20.9
6H	19.6	19.9	20.2	20.5	21.2	19.2	19.5	19.8	20.1	20.8
8H	19.5	19.8	20.1	20.4	21.1	19.1	19.4	19.7	20.0	20.7
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -15.0					+ 2.8 / -14.6				
1.5H	+ 3.1 / -10.3					+ 3.4 / -11.9				
2.0H	+ 6.3 / -15.0					+ 6.0 / -12.4				

CIE Pub.117 Corrected 4793 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.4)

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

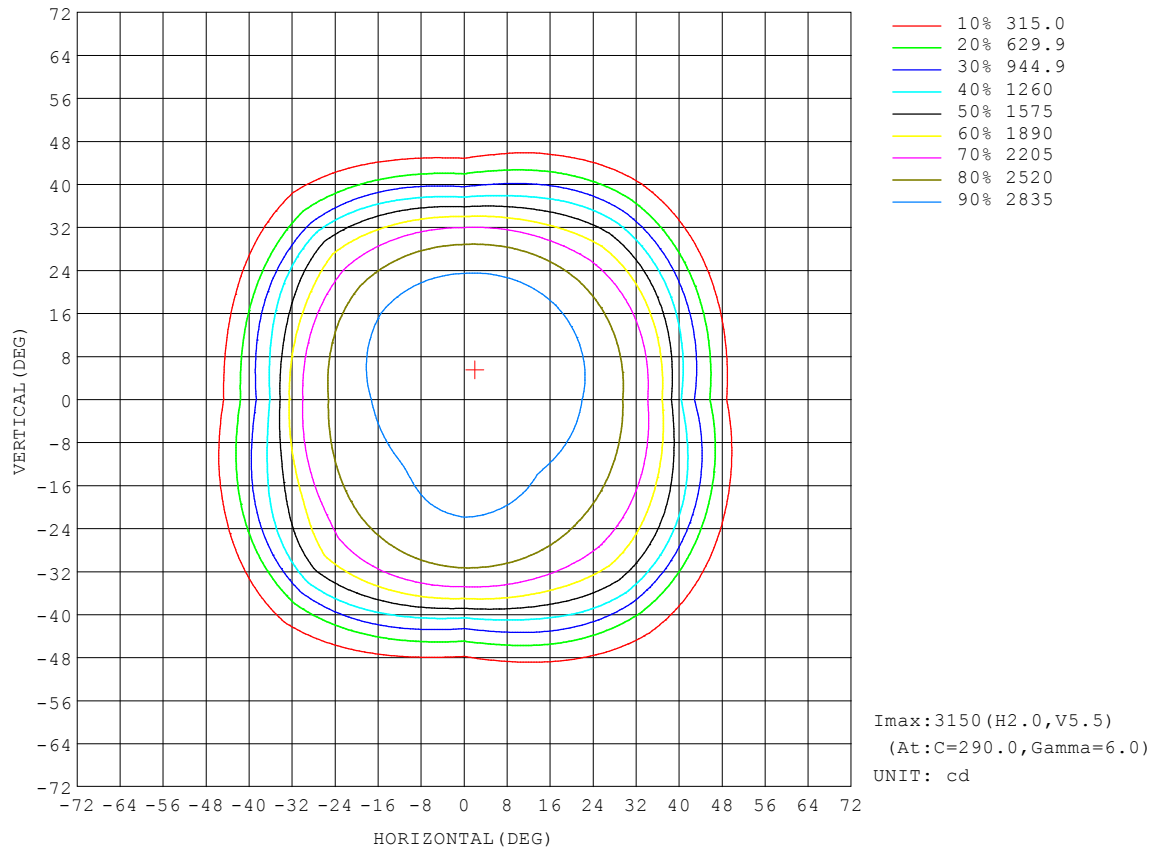
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	64	75	68	63	73	67	63	58
0.80	84	77	72	83	76	72	81	75	71	66
1.00	90	83	79	89	83	78	86	82	77	72
1.25	95	89	85	94	88	84	90	86	82	76
1.50	99	93	89	97	91	88	93	89	86	79
2.00	103	97	93	100	96	92	96	92	89	82
2.50	105	100	96	102	98	95	98	94	92	83
3.00	107	103	99	104	100	97	99	96	94	84
4.00	109	106	103	106	103	101	101	98	96	86
5.00	111	108	105	108	105	103	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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

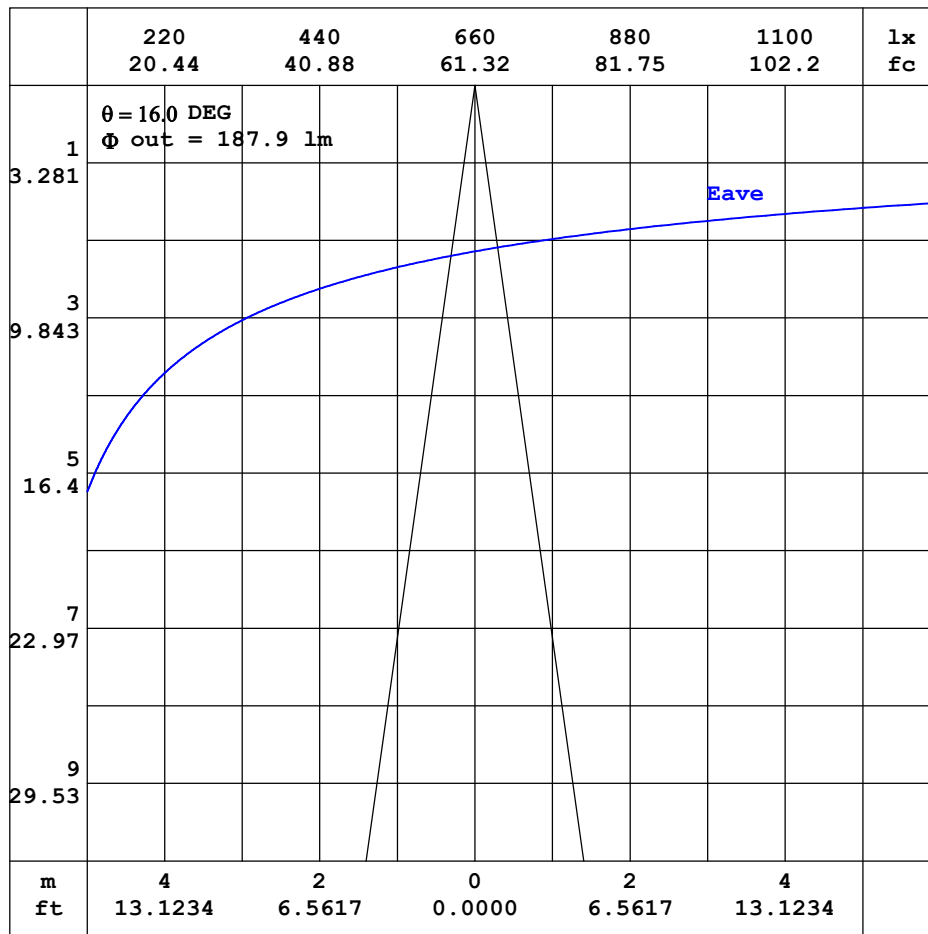


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



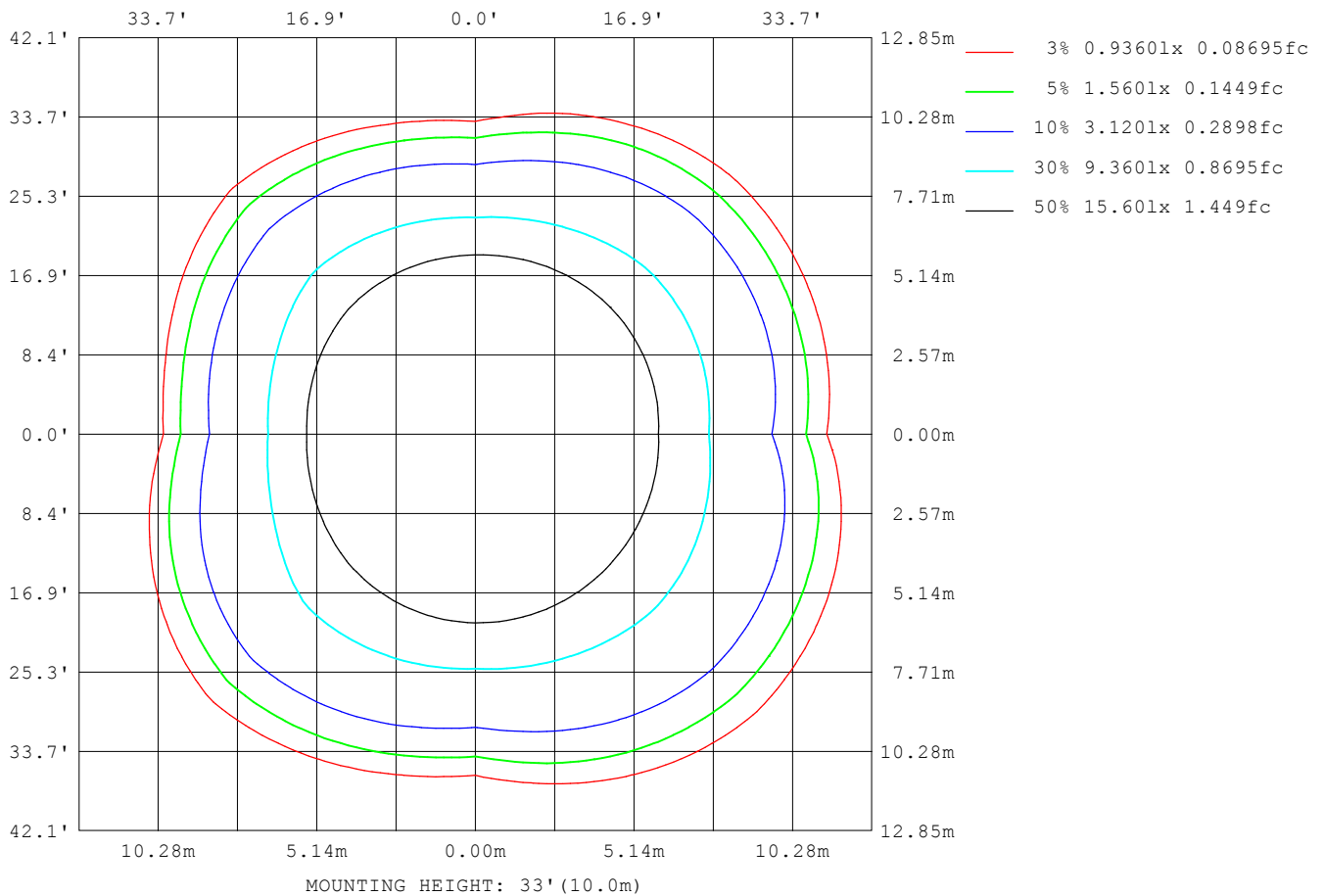
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 lm		
NAME: 4FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

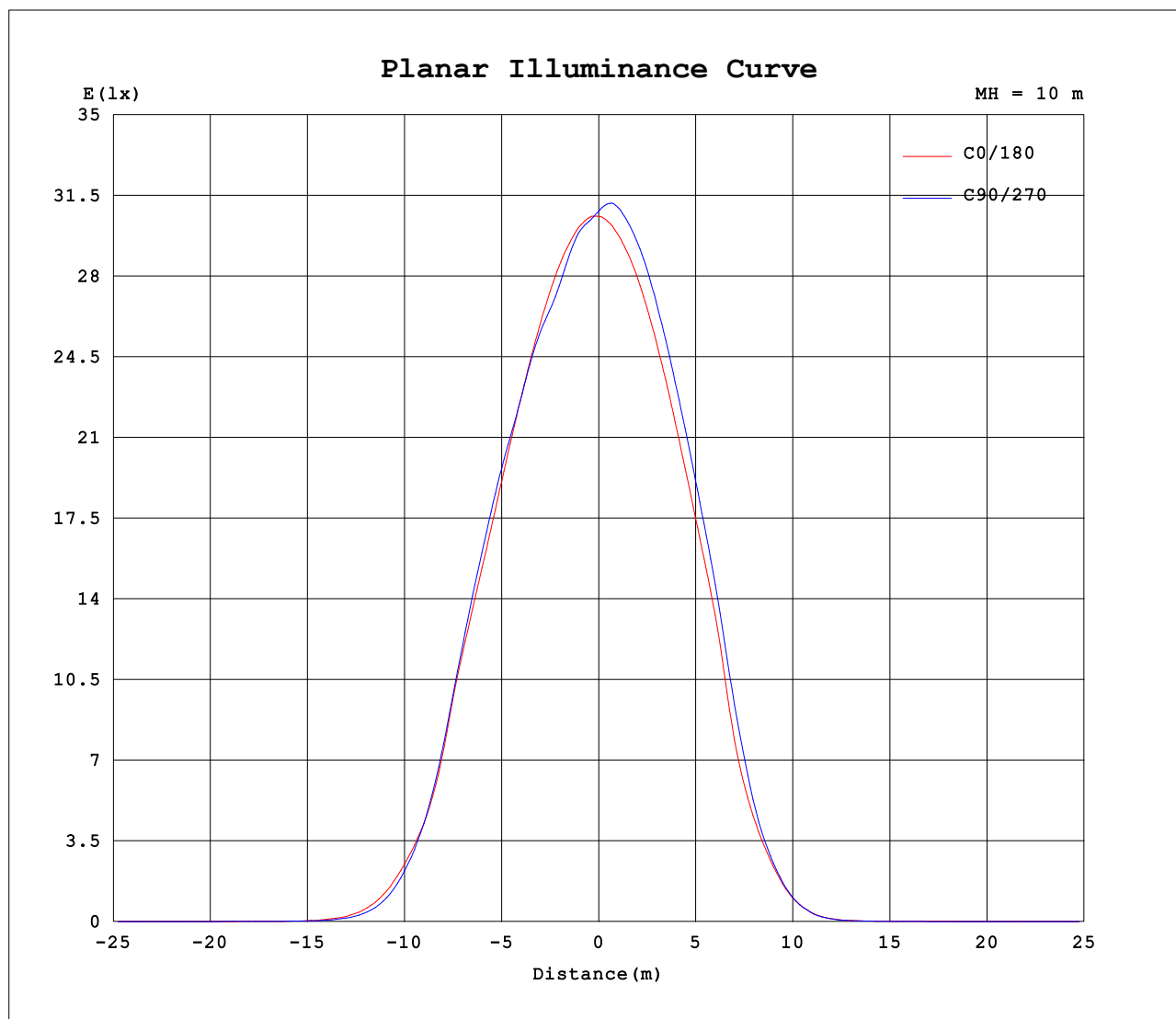
AvgL	cd/m2
L_0~180 (65) av	459
L_0~180 (75) av	425
L_0~180 (85) av	1032
L_90~270 (65) av	475
L_90~270 (75) av	507
L_90~270 (85) av	911
L_45 (65) av	493
L_45 (75) av	483
L_45 (85) av	926

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	3060	3061	3063	3064	3065	3067	3068	3069	3071	3072	3073	3074	3076	3077	3078	3079	3080	3081	3082
5	3060	3058	3057	3055	3053	3052	3051	3049	3048	3047	3046	3045	3044	3044	3043	3043	3042	3042	3041
10	3035	3031	3028	3024	3020	3016	3012	3008	3004	3000	2994	2989	2983	2978	2973	2969	2965	2962	2959
15	2981	2968	2955	2943	2933	2924	2916	2909	2904	2899	2899	2899	2900	2902	2904	2906	2908	2910	2911
20	2887	2875	2865	2856	2848	2841	2836	2833	2830	2829	2834	2839	2846	2852	2859	2865	2870	2874	2877
25	2734	2732	2730	2729	2729	2729	2730	2731	2733	2735	2742	2749	2756	2762	2768	2773	2777	2780	2781
30	2492	2499	2506	2513	2519	2526	2532	2539	2545	2551	2561	2570	2579	2587	2594	2599	2602	2604	2603
35	2127	2161	2191	2218	2241	2261	2277	2289	2298	2303	2298	2289	2278	2265	2251	2235	2219	2202	2187
40	1319	1440	1548	1641	1721	1787	1838	1876	1900	1909	1868	1816	1755	1689	1620	1550	1484	1422	1369
45	707	844	965	1069	1156	1226	1280	1317	1338	1341	1283	1211	1130	1042	951	860	773	694	625
50	228	309	379	440	491	532	563	584	595	596	560	517	467	414	359	304	251	203	161
55	42.0	79.5	113	141	165	185	200	210	217	218	203	184	163	140	116	92.4	69.6	48.7	30.6
60	13.5	23.8	32.9	40.8	47.5	53.0	57.3	60.4	62.3	63.0	59.4	54.9	49.6	43.8	37.8	31.6	25.7	20.1	15.2
65	10.1	10.9	11.5	12.1	12.6	13.1	13.4	13.7	13.9	14.1	14.1	13.9	13.8	13.6	13.3	13.1	12.8	12.5	12.3
70	7.78	8.07	8.34	8.59	8.82	9.04	9.23	9.41	9.56	9.70	9.81	9.91	9.98	10.0	10.1	10.1	10.1	10.1	10.1
75	5.75	6.03	6.30	6.55	6.78	6.99	7.18	7.35	7.51	7.64	7.75	7.84	7.91	7.96	8.00	8.02	8.03	8.02	8.01
80	4.02	4.30	4.56	4.81	5.03	5.23	5.42	5.59	5.73	5.86	5.95	6.03	6.09	6.13	6.16	6.17	6.17	6.16	6.15
85	6.30	5.99	5.70	5.43	5.20	4.99	4.80	4.65	4.52	4.41	4.38	4.40	4.46	4.51	4.54	4.56	4.56	4.60	4.65
90	30.5	28.6	26.7	24.9	23.1	21.4	19.7	18.1	16.5	14.9	13.2	11.6	10.1	8.62	7.25	5.99	4.85	3.84	2.97
95	60.3	59.5	58.4	57.0	55.4	53.4	51.1	48.6	45.7	42.6	37.8	32.9	27.8	22.8	17.9	13.1	8.74	4.76	1.29
100	72.0	72.1	71.6	70.8	69.5	67.8	65.7	63.1	60.1	56.7	50.9	44.9	38.7	32.5	26.4	20.6	15.3	10.6	6.51
105	87.1	87.1	86.5	85.5	84.1	82.1	79.7	76.8	73.4	69.6	63.1	56.3	49.4	42.5	35.8	29.4	23.5	18.3	13.9
110	95.9	96.7	96.9	96.5	95.5	94.0	91.9	89.3	86.1	82.3	75.4	68.2	60.7	53.3	46.0	39.1	32.7	27.0	22.3
115	116	115	114	112	110	107	104	101	96.5	92.0	84.6	76.9	69.2	61.5	54.1	47.2	40.8	35.4	30.9
120	131	129	127	124	121	117	113	109	105	99.7	92.1	84.3	76.5	68.9	61.7	55.0	49.0	43.8	39.8
125	139	137	134	130	127	123	119	115	110	105	97.9	90.3	82.9	75.6	68.8	62.6	57.1	52.5	49.1
130	143	140	137	133	130	126	122	118	113	109	102	94.8	88.0	81.4	75.3	69.8	65.1	61.3	58.6
135	143	140	137	134	130	126	123	119	115	110	104	98.1	92.2	86.5	81.3	76.7	72.9	69.9	68.0
140	142	139	135	132	129	125	122	118	115	111	106	101	95.8	91.2	87.0	83.4	80.5	78.4	77.2
145	139	136	133	129	126	123	120	117	114	112	107	103	99.4	95.9	92.8	90.2	88.2	86.9	86.5
150	133	130	128	125	123	121	118	116	114	112	109	106	103	101	98.5	96.8	95.6	95.0	95.1
155	128	126	124	122	121	119	117	116	114	112	110	108	107	105	104	103	102	102	103
160	124	123	121	120	119	117	116	115	114	114	112	111	110	109	109	109	108	109	109
165	121	120	119	119	118	117	117	116	116	115	115	114	114	113	113	113	114	114	115
170	120	120	119	119	118	118	118	117	117	117	117	117	117	117	117	118	118	118	119
175	121	121	121	120	120	120	120	119	119	119	119	120	120	120	120	121	121	121	122
180	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	3083	3085	3086	3087	3087	3088	3088	3088	3088	3085	3082	3078	3075	3072	3068	3065	3062	3060	3060
5	3041	3040	3040	3039	3039	3038	3038	3037	3037	3035	3033	3031	3029	3028	3028	3028	3029	3031	3037
10	2961	2963	2966	2969	2972	2976	2979	2983	2986	2984	2982	2980	2978	2977	2976	2976	2977	2979	2989
15	2908	2903	2899	2894	2889	2884	2880	2876	2872	2871	2870	2870	2871	2873	2876	2881	2886	2893	2905
20	2869	2859	2849	2837	2825	2812	2800	2788	2776	2768	2760	2754	2749	2746	2744	2745	2747	2751	2764
25	2774	2765	2754	2742	2729	2714	2699	2684	2667	2647	2627	2608	2590	2573	2559	2547	2538	2532	2544
30	2594	2583	2569	2553	2536	2516	2495	2473	2449	2417	2384	2351	2320	2290	2263	2239	2219	2204	2215
35	2193	2199	2204	2207	2207	2202	2193	2176	2153	2071	1983	1892	1801	1712	1628	1551	1485	1431	1467
40	1402	1444	1491	1539	1587	1631	1669	1696	1711	1622	1520	1411	1297	1183	1072	968	874	795	829
45	658	702	754	810	867	923	973	1016	1047	980	902	815	723	628	535	445	363	291	304
50	178	202	230	262	295	328	358	385	406	376	340	300	257	213	169	127	87.7	53.6	61.7
55	38.3	49.1	62.1	76.6	91.8	107	121	134	145	135	123	108	92.7	76.5	60.1	44.2	29.3	16.0	17.7
60	16.2	18.0	20.4	23.1	26.0	29.0	31.9	34.6	36.8	35.0	32.8	30.2	27.3	24.3	21.1	18.0	14.9	12.1	11.3
65	12.2	12.2	12.2	12.1	12.1	12.1	12.0	11.9	11.8	11.6	11.3	11.1	10.8	10.5	10.2	9.85	9.55	9.26	9.03
70	10.1	10.0	10.0	9.94	9.86	9.77	9.66	9.53	9.38	9.14	8.88	8.61	8.34	8.06	7.79	7.52	7.26	7.02	6.87
75	8.00	7.97	7.94	7.89	7.82	7.74	7.64	7.52	7.39	7.17	6.93	6.68	6.43	6.17	5.92	5.68	5.45	5.24	5.13
80	6.15	6.14	6.12	6.08	6.04	5.98	5.90	5.81	5.70	5.50	5.28	5.06	4.83	4.60	4.37	4.16	3.96	3.78	3.71
85	4.66	4.67	4.66	4.65	4.63	4.59	4.54	4.48	4.39	4.21	4.02	3.81	3.60	3.40	3.20	3.01	2.84	2.69	2.67
90	2.95	3.02	3.08	3.14	3.19	3.23	3.25	3.39	3.62	3.42	3.21	2.99	2.77	2.55	2.36	2.20	2.07	1.99	2.33
95	0.90	1.04	1.62	2.57	3.80	5.23	6.77	8.34	9.86	9.67	9.37	9.00	8.59	8.19	7.82	7.51	7.31	7.24	8.52
100	6.97	8.16	9.96	12.2	14.8	17.7	20.6	23.4	26.1	26.0	25.6	25.1	24.4	23.7	22.9	22.2	21.7	21.2	22.8
105	14.6	16.1	18.4	21.2	24.5	28.0	31.7	35.5	39.0	40.1	40.9	41.4	41.8	42.1	42.2	42.3	42.3	42.3	43.4
110	23.1	25.0	27.6	30.8	34.6	38.7	42.9	47.2	51.4	52.9	54.2	55.2	56.1	56.7	57.2	57.6	57.8	58.0	58.9
115	32.2	34.6	37.9	41.8	46.2	50.9	55.8	60.7	65.4	67.1	68.5	69.6	70.4	71.1	71.5	71.8	72.0	72.1	73.1
120	41.8	44.9	48.9	53.5	58.7	64.1	69.7	75.3	80.6	82.5	84.0	85.2	86.1	86.7	87.1	87.3	87.4	87.3	88.5
125	51.8	55.5	60.2	65.5	71.3	77.4	83.7	89.8	95.7	97.9	99.8	101	102	103	104	104	104	104	105
130	61.8	66.1	71.2	77.0	83.3	89.8	96.5	103	109	112	114	116	118	119	119	120	120	120	121
135	71.6	76.2	81.6	87.6	94.1	101	108	114	121	124	127	129	131	133	134	135	135	135	136
140	81.0	85.7	91.1	97.0	103	110	117	123	130	133	137	140	142	144	146	147	148	148	148
145	90.1	94.5	99.6	105	111	117	123	129	135	139	143	146	149	152	154	155	156	157	157
150	98.4	102	107	112	117	122	128	133	138	142	146	149	152	155	157	159	160	161	160
155	106	109	113	117	121	125	130	134	139	143	146	149	152	154	157	158	160	160	160
160	112	114	117	120	124	127	131	134	137	140	143	146	148	150	152	154	155	155	154
165	117	118	121	123	125	127	130	132	135	137	139	141	142	144	145	146	147	147	147
170	120	121	123	124	125	127	128	130	131	132	133	135	136	136	137	138	138	139	138
175	122	123	124	124	125	125	126	127	127	128	128	129	129	130	130	130	130	130	130
180	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	3061	3062	3063	3064	3066	3068	3070	3072	3073	3074	3076	3077	3078	3079	3080	3081	3082	3083	3085
5	3045	3053	3061	3070	3080	3089	3098	3106	3113	3118	3123	3128	3132	3136	3139	3142	3144	3146	3147
10	3001	3013	3026	3040	3053	3067	3080	3092	3100	3107	3112	3117	3121	3125	3128	3130	3132	3134	3137
15	2919	2933	2948	2964	2979	2994	3009	3024	3033	3042	3050	3057	3063	3069	3073	3077	3080	3083	3085
20	2779	2796	2814	2832	2851	2870	2888	2906	2915	2924	2932	2938	2944	2949	2953	2957	2960	2965	2970
25	2559	2577	2598	2619	2641	2664	2686	2708	2718	2726	2733	2739	2745	2749	2753	2756	2759	2766	2773
30	2231	2251	2274	2299	2325	2351	2377	2402	2408	2412	2415	2417	2418	2418	2419	2420	2422	2435	2449
35	1515	1573	1638	1708	1778	1848	1913	1971	1954	1930	1899	1865	1830	1794	1761	1733	1711	1746	1788
40	879	939	1007	1080	1154	1226	1291	1348	1305	1253	1194	1132	1069	1009	954	908	874	935	1008
45	327	360	399	441	486	529	570	605	574	537	497	455	414	376	342	316	298	350	410
50	75.0	92.3	113	135	157	179	199	216	200	181	160	138	116	95.1	76.5	61.2	50.3	73.1	100
55	21.1	26.0	32.0	38.6	45.5	52.3	58.6	64.1	59.0	53.0	46.4	39.5	32.7	26.2	20.4	15.7	12.2	19.6	28.2
60	10.8	10.6	10.5	10.5	10.7	11.0	11.3	11.7	11.2	10.8	10.4	10.0	9.70	9.47	9.34	9.35	9.50	10.7	12.0
65	8.82	8.63	8.45	8.28	8.13	8.00	7.89	7.79	7.75	7.72	7.70	7.70	7.71	7.72	7.75	7.78	7.81	7.79	7.77
70	6.74	6.62	6.52	6.44	6.37	6.32	6.28	6.25	6.24	6.24	6.24	6.26	6.28	6.31	6.34	6.37	6.40	6.39	6.37
75	5.05	4.98	4.93	4.89	4.87	4.86	4.86	4.87	4.88	4.90	4.93	4.96	4.99	5.02	5.06	5.09	5.12	5.12	5.11
80	3.67	3.65	3.65	3.66	3.68	3.71	3.74	3.78	3.80	3.81	3.83	3.84	3.86	3.88	3.90	3.92	3.93	3.95	3.96
85	2.68	2.70	2.74	2.80	2.86	2.93	3.01	3.09	3.10	3.12	3.13	3.14	3.18	3.21	3.24	3.26	3.29	3.35	3.43
90	2.70	3.10	3.50	3.90	4.26	4.58	4.84	5.02	4.12	3.19	2.27	1.42	1.04	0.73	0.44	0.19	0.27	2.91	5.88
95	9.91	11.4	12.8	14.3	15.6	16.7	17.7	18.4	16.6	14.6	12.4	10.3	8.39	6.69	5.34	4.48	4.19	7.68	11.7
100	24.6	26.5	28.3	30.0	31.7	33.0	34.1	34.8	32.1	29.0	25.8	22.6	19.5	16.6	14.2	12.3	11.1	14.3	18.2
105	44.4	45.3	46.1	46.8	47.2	47.4	47.2	46.7	43.3	39.5	35.7	31.9	28.4	25.2	22.5	20.4	19.2	22.9	27.4
110	59.8	60.5	61.0	61.4	61.4	61.2	60.6	59.7	55.7	51.4	47.0	42.7	38.7	35.0	31.8	29.3	27.7	31.3	35.7
115	74.1	74.9	75.6	75.9	76.0	75.7	75.1	74.0	69.4	64.6	59.6	54.6	49.8	45.5	41.6	38.5	36.4	39.5	43.6
120	89.5	90.3	90.9	91.2	91.2	90.8	90.0	88.6	83.6	78.1	72.4	66.8	61.4	56.3	51.8	48.0	45.2	47.8	51.4
125	106	106	107	107	106	106	104	103	97.1	91.1	84.9	78.7	72.7	67.0	61.9	57.6	54.2	56.2	59.3
130	121	122	122	121	120	119	117	115	109	103	96.1	89.5	83.2	77.2	71.7	67.0	63.2	64.7	67.2
135	136	135	135	134	132	130	128	125	119	113	106	99.3	92.8	86.7	81.1	76.3	72.3	73.1	75.0
140	148	147	145	144	142	139	136	133	127	120	114	107	101	95.4	90.0	85.2	81.2	81.5	82.6
145	156	154	152	150	147	144	141	137	132	126	120	114	108	103	98.0	93.6	89.8	89.6	90.1
150	159	157	155	153	150	146	143	139	134	129	124	119	114	109	105	101	98.1	97.5	97.5
155	158	156	154	152	149	146	142	139	135	131	126	122	119	115	111	108	106	105	105
160	153	152	150	147	145	142	139	136	133	130	127	124	122	119	116	114	112	111	111
165	146	144	143	141	139	137	135	133	131	129	127	125	124	122	120	119	117	116	116
170	137	136	135	134	133	132	131	129	128	127	126	125	124	123	122	121	121	120	119
175	130	129	129	128	127	127	126	125	125	125	124	124	124	123	123	123	123	122	122
180	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120

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:121.2V I:0.2930A P:35.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4792.97x1 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	3086	3087	3087	3088	3088	3088	3088	3086	3084	3082	3079	3076	3073	3069	3065				
5	3148	3149	3148	3147	3145	3143	3139	3134	3128	3121	3113	3104	3095	3084	3073				
10	3138	3139	3138	3137	3135	3133	3129	3123	3116	3107	3098	3088	3076	3064	3050				
15	3087	3088	3087	3086	3084	3081	3076	3070	3063	3055	3045	3035	3023	3010	2996				
20	2974	2977	2980	2981	2982	2981	2979	2974	2968	2961	2952	2942	2930	2917	2902				
25	2780	2785	2790	2795	2798	2800	2802	2799	2796	2791	2785	2777	2769	2758	2747				
30	2463	2477	2490	2504	2516	2527	2536	2539	2540	2539	2536	2531	2525	2516	2505				
35	1836	1888	1941	1996	2050	2101	2148	2168	2183	2192	2195	2193	2185	2171	2152				
40	1089	1176	1266	1356	1442	1523	1593	1612	1618	1612	1594	1564	1521	1466	1398				
45	477	549	622	695	765	830	888	906	914	913	903	883	853	814	765				
50	130	163	196	230	262	292	318	326	329	328	322	312	298	279	256				
55	37.7	47.8	58.1	68.2	77.8	86.4	93.8	94.6	93.8	91.3	87.2	81.5	74.1	65.0	54.3				
60	13.4	14.9	16.3	17.6	18.9	20.0	21.0	21.1	21.0	20.6	20.0	19.2	18.1	16.8	15.2				
65	7.75	7.75	7.76	7.78	7.83	7.89	7.97	8.11	8.28	8.47	8.69	8.93	9.20	9.49	9.81				
70	6.36	6.36	6.36	6.37	6.39	6.42	6.47	6.55	6.65	6.77	6.90	7.04	7.20	7.38	7.57				
75	5.10	5.10	5.09	5.09	5.09	5.10	5.12	5.16	5.20	5.26	5.32	5.39	5.47	5.55	5.65				
80	3.97	3.98	3.99	4.00	4.00	4.01	4.01	4.02	4.02	4.02	4.03	4.03	4.03	4.03	4.02				
85	3.51	3.60	3.71	3.82	3.95	4.09	4.25	4.42	4.61	4.81	5.02	5.25	5.49	5.75	6.02				
90	9.09	12.5	15.9	19.4	22.8	26.0	28.9	30.4	31.6	32.4	33.0	33.1	33.0	32.5	31.6				
95	16.3	21.2	26.3	31.5	36.7	41.8	46.7	49.6	52.2	54.4	56.3	57.8	59.0	59.8	60.2				
100	22.8	27.7	33.0	38.5	44.0	49.5	54.7	57.9	60.8	63.4	65.7	67.6	69.2	70.5	71.4				
105	32.6	38.3	44.3	50.6	56.9	63.1	69.1	72.7	75.9	78.7	81.1	83.1	84.7	85.9	86.7				
110	40.9	46.6	52.6	58.9	65.3	71.6	77.7	81.2	84.4	87.3	89.7	91.7	93.3	94.6	95.4				
115	48.5	54.0	60.0	66.4	72.9	79.6	86.1	90.4	94.5	98.3	102	105	108	111	114				
120	55.8	61.0	66.7	72.9	79.3	85.9	92.6	97.3	102	106	111	115	119	123	127				
125	63.2	67.8	73.1	78.9	85.0	91.4	97.9	103	107	112	117	121	126	130	135				
130	70.5	74.6	79.3	84.5	90.1	96.0	102	106	111	115	120	125	129	134	138				
135	77.6	81.0	85.0	89.5	94.4	99.6	105	109	113	117	121	126	130	134	139				
140	84.4	87.0	90.1	93.7	97.7	102	107	110	114	117	121	125	129	133	138				
145	91.2	92.9	95.2	97.8	101	104	108	111	114	117	120	123	127	131	135				
150	98.0	99.0	100	102	104	107	109	111	113	116	118	121	124	126	130				
155	105	105	106	107	108	109	111	112	114	116	117	119	121	124	126				
160	110	110	111	111	111	112	113	114	115	116	117	118	119	121	122				
165	115	115	115	115	115	115	115	116	116	116	117	118	118	119	120				
170	119	119	118	118	118	118	118	118	118	118	118	119	119	119	120				
175	122	121	121	121	121	121	121	120	120	120	121	121	121	121	121				
180	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120				

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: