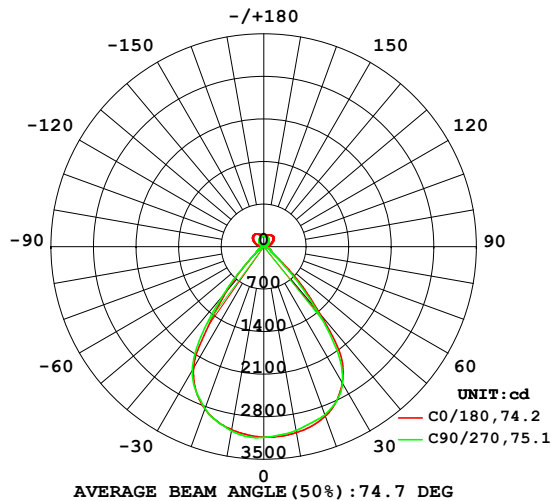


LUMINAIRE PHOTOMETRIC TEST REPORT

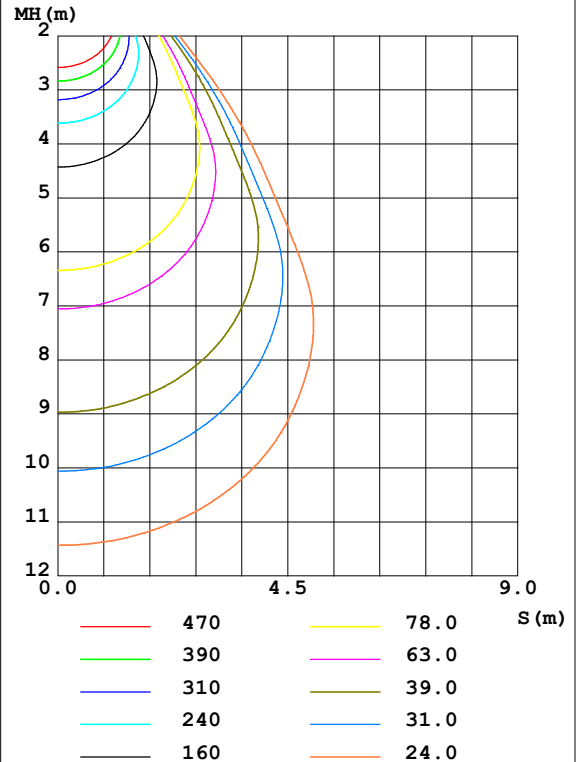
Test:U:120.9V I:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.20 lm/W			
MODEL		I _{max} (cd)	3147	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)	5431.7	η UP,DN(C0-180)	7.2,44.8
NOMINAL FLUX(lm)	5431.68	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.3,40.6
LAMPS INSIDE	1	η up(%)	14.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	85.4	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:

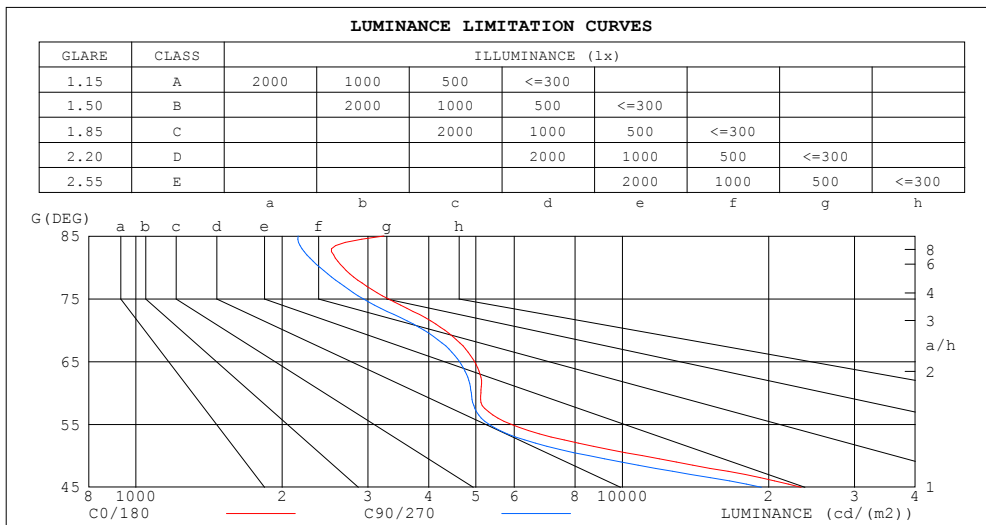
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3106	3086	3072	3063	3057	3079	3076	3095	0- 10	296.7	296.7	5.46,5.46
20	2968	2924	2941	2879	2842	2841	2833	2878	10- 20	845.8	1143	21,21
30	2585	2627	2593	2533	2314	2346	2356	2437	20- 30	1247	2390	44,44
40	1419	1940	1340	1762	939.5	1409	1044	1632	30- 40	1254	3644	67.1,67.1
50	353.2	656.5	274.2	505.8	196.8	355.5	204.4	453.6	40- 50	659.7	4304	79.2,79.2
60	128.0	168.3	122.3	142.3	112.0	115.3	115.4	130.5	50- 60	194.8	4499	82.8,82.8
70	73.79	72.12	66.94	62.38	49.22	51.89	54.95	60.03	60- 70	92.17	4591	84.5,84.5
80	23.18	23.71	20.76	19.03	13.25	14.56	15.71	18.12	70- 80	38.70	4630	85.2,85.2
90	23.34	13.27	1.856	2.756	1.231	7.723	0.1239	22.99	80- 90	11.01	4641	85.4,85.4
100	75.49	55.53	13.70	73.59	68.25	81.84	17.09	63.96	90-100	33.63	4674	86.1,86.1
110	117.7	96.41	39.60	128.8	148.1	128.3	42.82	104.5	100-110	83.64	4758	87.6,87.6
120	164.6	136.0	67.56	173.1	203.2	166.9	69.29	143.5	110-120	120.1	4878	89.8,89.8
130	206.4	162.5	96.03	200.9	242.2	189.9	96.75	169.4	120-130	140.0	5018	92.4,92.4
140	226.3	176.3	122.8	208.7	256.2	197.0	123.4	181.0	130-140	138.4	5157	94.9,94.9
150	219.7	181.3	146.1	203.6	242.0	194.8	147.6	183.6	140-150	118.1	5275	97.1,97.1
160	200.9	182.4	165.3	194.2	214.4	189.3	166.7	182.7	150-160	87.11	5362	98.7,98.7
170	186.0	182.3	177.6	186.2	190.6	184.5	178.5	181.3	160-170	52.44	5414	99.7,99.7
180	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	170-180	17.44	5432	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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3238	2156
80	2670	2391
75	3299	2935
70	4315	3914
65	4968	4628
60	5120	4893
55	5906	5320
50	10989	8531
45	23304	19327

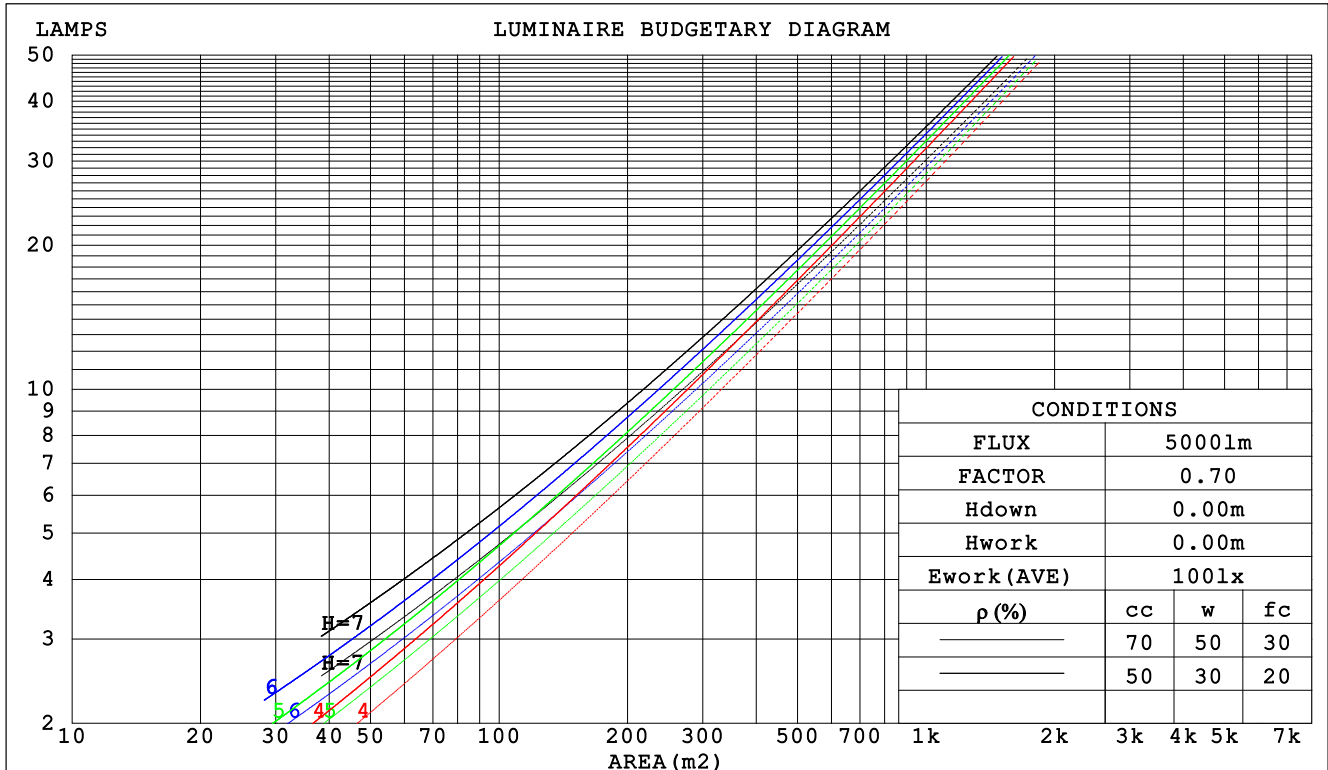
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.85
1.0	1.05	1.02	.00	1.02	.99	.97	.95	.93	.91	.89	.87	.86	.83	.82	.81	.78
2.0	.96	.91	.87	.93	.88	.85	.87	.84	.81	.82	.79	.77	.77	.75	.73	.70
3.0	.87	.81	.77	.85	.79	.75	.80	.76	.72	.76	.72	.69	.71	.69	.66	.64
4.0	.80	.73	.68	.78	.72	.67	.74	.69	.65	.70	.66	.62	.66	.63	.60	.58
5.0	.73	.66	.61	.71	.65	.60	.68	.62	.58	.64	.60	.56	.61	.58	.55	.53
6.0	.67	.60	.55	.66	.59	.54	.63	.57	.53	.60	.55	.51	.57	.53	.50	.48
7.0	.62	.55	.50	.61	.54	.50	.58	.52	.48	.56	.51	.47	.53	.49	.46	.44
8.0	.58	.51	.46	.56	.50	.45	.54	.48	.44	.52	.47	.43	.50	.45	.42	.40
9.0	.53	.47	.42	.52	.46	.42	.50	.45	.41	.48	.43	.40	.46	.42	.39	.37
10.0	.50	.43	.39	.49	.43	.38	.47	.41	.38	.45	.40	.37	.44	.39	.36	.34



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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm					
NAME: 4FT			TYPE:4000K 1.9		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.12*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.216	.123	.039	.205	.117	.037	.184	.105	.034	.164	.095	.030	.146	.085	.027		
2.0	.207	.113	.035	.197	.108	.033	.178	.099	.031	.161	.090	.028	.145	.082	.026		
3.0	.196	.105	.031	.188	.100	.030	.171	.093	.028	.156	.085	.026	.141	.078	.024		
4.0	.186	.097	.028	.178	.093	.028	.163	.087	.026	.149	.080	.024	.137	.074	.023		
5.0	.176	.090	.026	.169	.087	.025	.156	.081	.024	.143	.075	.022	.131	.070	.021		
6.0	.167	.084	.024	.161	.081	.023	.148	.076	.022	.137	.071	.021	.126	.066	.020		
7.0	.159	.078	.022	.153	.076	.022	.141	.071	.021	.131	.067	.020	.121	.063	.018		
8.0	.151	.074	.021	.145	.072	.020	.135	.067	.019	.125	.063	.018	.116	.060	.017		
9.0	.143	.069	.019	.138	.067	.019	.129	.064	.018	.120	.060	.017	.111	.057	.016		
10.0	.137	.066	.018	.132	.064	.018	.123	.060	.017	.115	.057	.016	.107	.054	.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	.301	.301	.301	.258	.258	.258	.176	.176	.176	.101	.101	.101	.032	.032	.032	
1.0	.286	.269	.254	.244	.231	.218	.167	.159	.151	.096	.092	.088	.031	.030	.028	
2.0	.274	.245	.221	.234	.211	.191	.161	.146	.133	.093	.085	.078	.030	.027	.025	
3.0	.264	.227	.198	.226	.196	.172	.155	.136	.120	.090	.079	.071	.029	.026	.023	
4.0	.255	.213	.181	.219	.184	.158	.150	.128	.111	.087	.075	.066	.028	.024	.022	
5.0	.248	.203	.169	.213	.175	.147	.146	.122	.104	.085	.072	.062	.027	.023	.020	
6.0	.241	.194	.160	.207	.168	.140	.143	.118	.099	.083	.069	.059	.027	.023	.019	
7.0	.235	.187	.153	.202	.162	.134	.140	.114	.095	.081	.067	.056	.026	.022	.019	
8.0	.229	.181	.148	.198	.157	.129	.137	.110	.092	.080	.065	.055	.026	.021	.018	
9.0	.224	.176	.144	.193	.153	.126	.134	.108	.089	.078	.064	.053	.025	.021	.018	
10.0	.220	.172	.141	.189	.150	.123	.131	.105	.087	.077	.062	.052	.025	.020	.017	

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm										
NAME: 4FT					TYPE:4000K 1.9			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.7	21.7	21.1	22.1	22.6	20.1	21.1	20.5	21.5	21.9
3H	20.6	21.5	21.1	22.0	22.5	20.0	20.9	20.5	21.4	21.9
4H	20.6	21.4	21.1	21.9	22.4	20.0	20.8	20.4	21.3	21.8
6H	20.5	21.3	21.0	21.8	22.3	19.9	20.7	20.4	21.2	21.7
8H	20.4	21.2	21.0	21.7	22.3	19.8	20.6	20.4	21.1	21.6
12H	20.4	21.1	20.9	21.6	22.2	19.8	20.5	20.3	21.0	21.6
4H 2H	20.5	21.3	21.0	21.8	22.3	19.9	20.7	20.4	21.2	21.7
3H	20.4	21.2	21.0	21.7	22.2	19.9	20.6	20.4	21.1	21.7
4H	20.4	21.1	21.0	21.6	22.2	19.8	20.5	20.4	21.0	21.6
6H	20.3	20.9	20.9	21.5	22.1	19.8	20.4	20.4	20.9	21.6
8H	20.3	20.8	20.9	21.4	22.1	19.7	20.3	20.3	20.9	21.5
12H	20.3	20.8	20.9	21.4	22.1	19.7	20.2	20.3	20.8	21.5
8H 4H	20.3	20.8	20.9	21.4	22.0	19.7	20.2	20.3	20.8	21.5
6H	20.2	20.7	20.9	21.3	22.0	19.7	20.1	20.3	20.7	21.4
8H	20.2	20.6	20.9	21.2	22.0	19.6	20.0	20.3	20.7	21.4
12H	20.2	20.5	20.9	21.2	21.9	19.6	19.9	20.3	20.6	21.4
12H 4H	20.2	20.7	20.8	21.3	22.0	19.6	20.1	20.3	20.7	21.4
6H	20.2	20.6	20.8	21.2	21.9	19.6	20.0	20.3	20.6	21.4
8H	20.2	20.5	20.8	21.2	21.9	19.6	19.9	20.3	20.6	21.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 5.1					+ 2.4 / - 5.1				
1.5H	+ 2.6 / - 5.0					+ 2.7 / - 5.2				
2.0H	+ 4.8 / - 4.0					+ 4.1 / - 3.3				

CIE Pub.117 Corrected 5432 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.9)

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

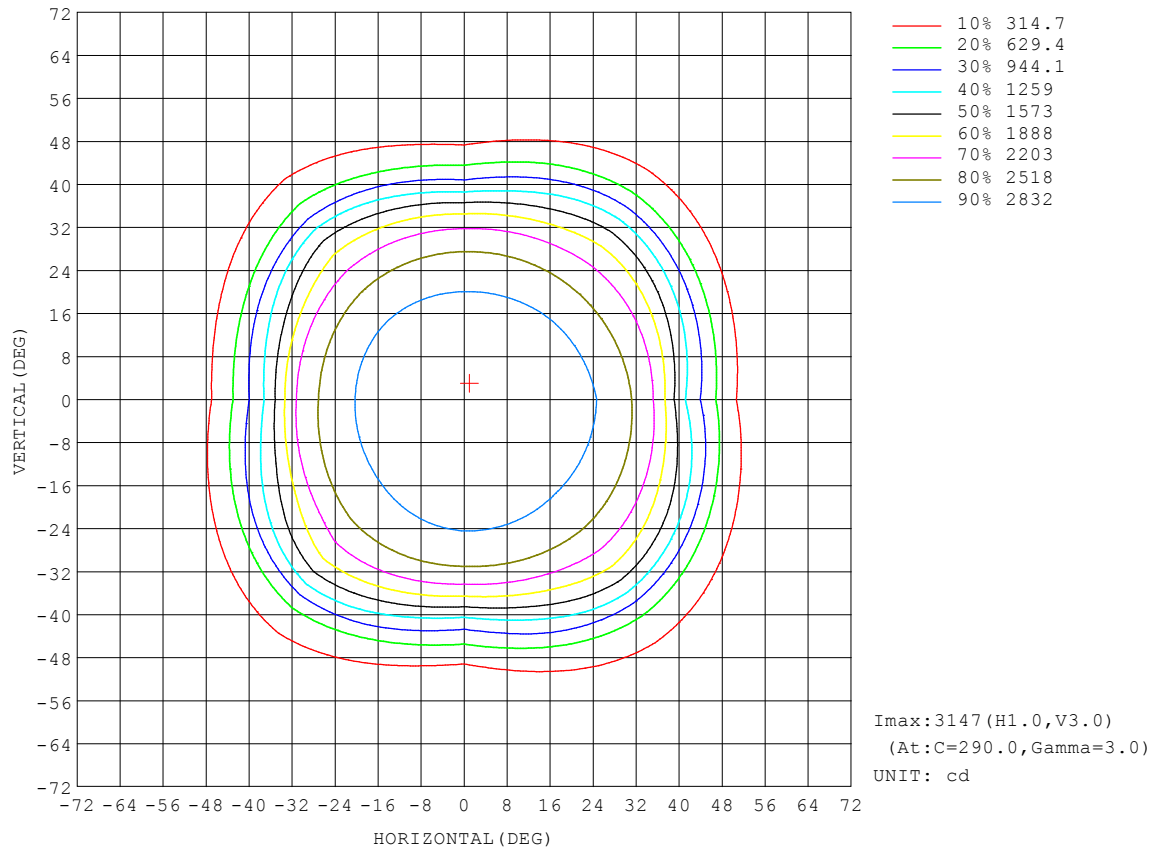
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	63	58	70	62	57	68	61	57	52
0.80	80	72	66	78	71	66	76	69	65	59
1.00	86	78	73	84	77	72	81	76	71	65
1.25	91	84	79	89	83	78	86	80	76	69
1.50	95	88	84	93	87	82	89	84	80	72
2.00	100	94	89	97	92	88	92	88	85	75
2.50	102	97	92	99	94	91	94	90	87	77
3.00	104	100	96	101	97	94	95	92	89	79
4.00	107	103	100	104	100	97	97	95	93	80
5.00	109	105	103	105	102	100	98	96	94	82
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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

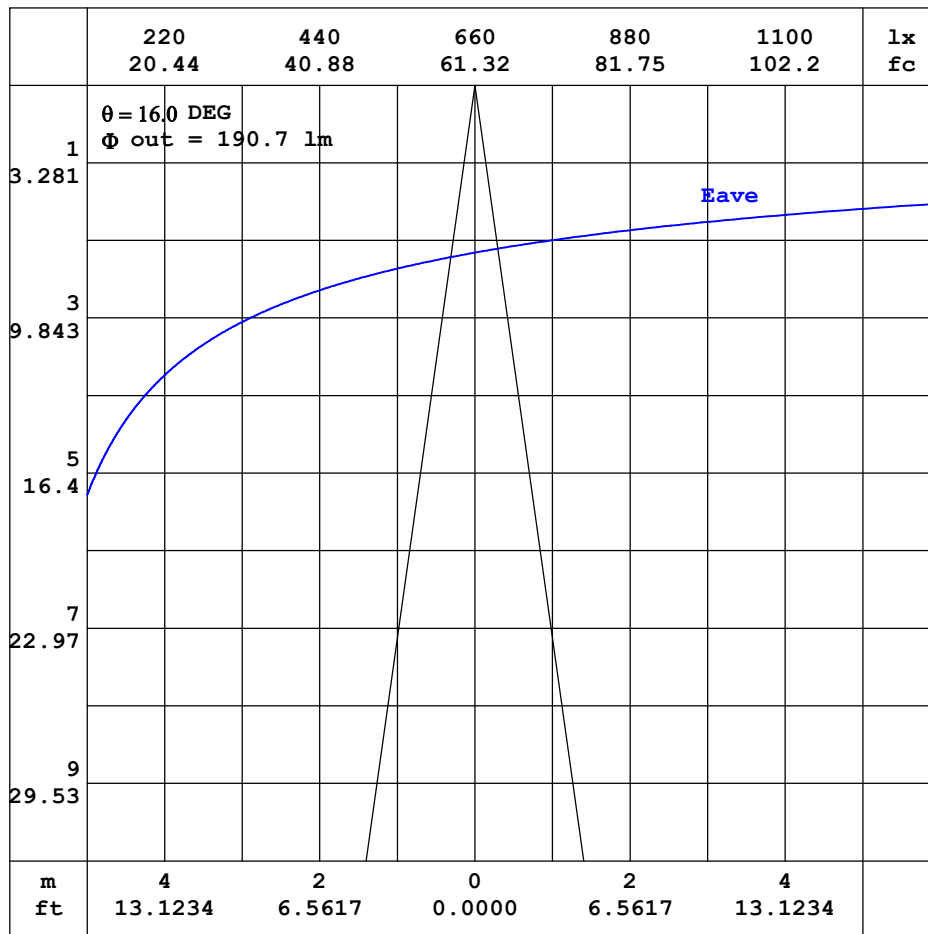


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.9V I:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



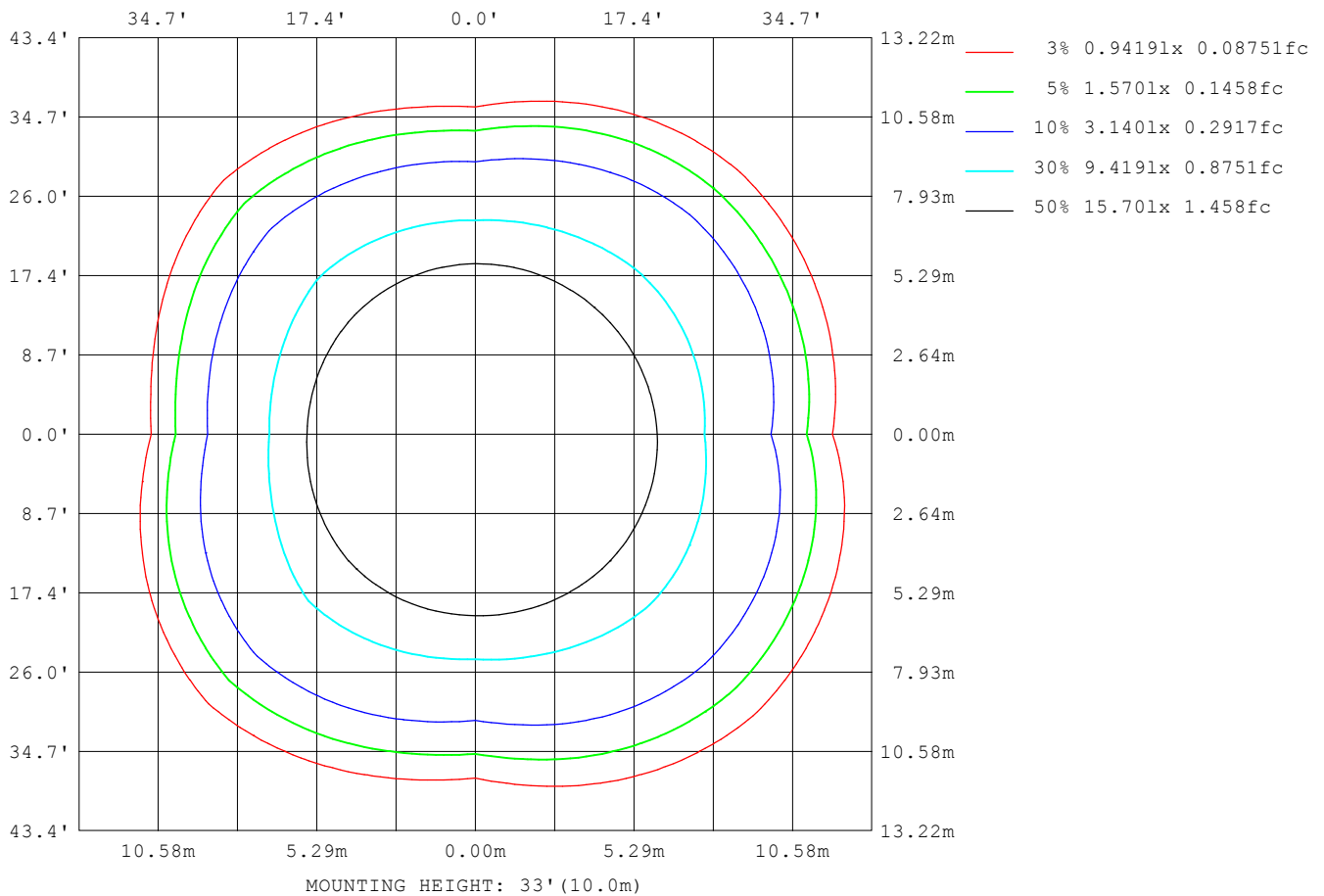
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.9V I:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.9V I:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

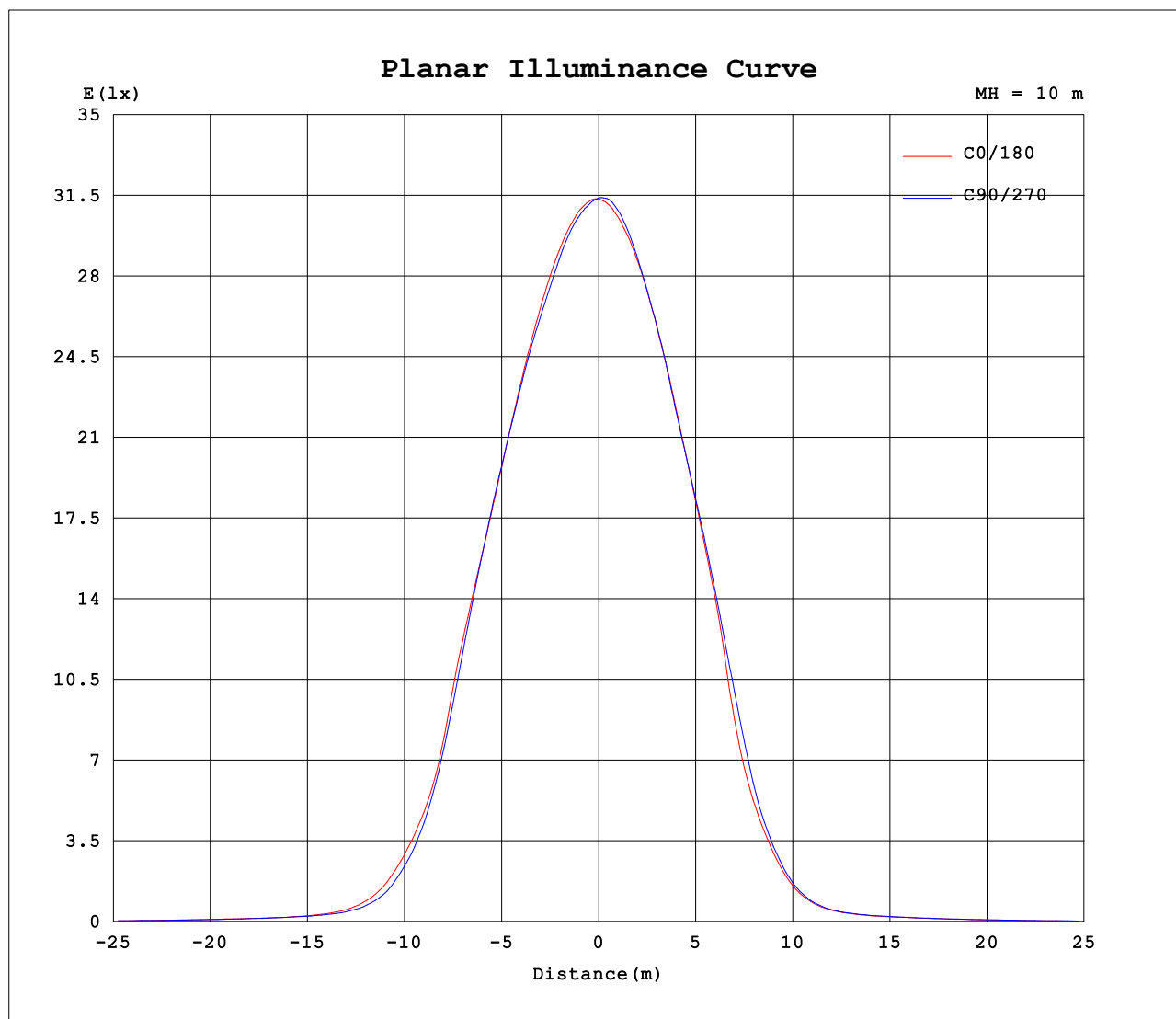
AvgL	cd/m2
L_0~180 (65) av	4425
L_0~180 (75) av	2685
L_0~180 (85) av	2098
L_90~270 (65) av	4389
L_90~270 (75) av	2650
L_90~270 (85) av	1685
L_45 (65) av	4359
L_45 (75) av	2766
L_45 (85) av	1959

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm																	
NAME: 4FT									TYPE:4000K 1.9						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3136	3136	3135	3135	3135	3135	3135	3135	3135	3135	3136	3136	3137	3137	3138	3138	3138	3139	3139
5	3132	3130	3128	3126	3124	3122	3121	3119	3118	3117	3116	3115	3114	3114	3113	3113	3112	3112	3112
10	3106	3103	3101	3099	3096	3094	3092	3090	3088	3086	3084	3082	3080	3079	3077	3076	3074	3073	3072
15	3056	3050	3044	3039	3034	3030	3025	3022	3018	3015	3013	3012	3010	3009	3008	3008	3007	3006	3006
20	2968	2960	2953	2946	2941	2936	2931	2928	2925	2924	2925	2927	2930	2932	2935	2937	2939	2941	2941
25	2820	2818	2817	2816	2815	2814	2813	2813	2812	2812	2814	2815	2817	2818	2819	2819	2819	2818	2817
30	2585	2594	2601	2608	2613	2618	2622	2624	2626	2627	2626	2624	2622	2618	2614	2610	2605	2599	2593
35	2222	2254	2281	2304	2323	2337	2347	2352	2353	2350	2330	2306	2280	2253	2224	2196	2169	2144	2122
40	1419	1532	1631	1717	1789	1847	1891	1921	1937	1940	1889	1828	1759	1684	1608	1532	1460	1395	1340
45	824	942	1046	1135	1209	1268	1312	1341	1356	1355	1298	1229	1151	1068	983	899	819	746	683
50	353	421	480	530	573	606	632	648	657	657	624	585	541	494	446	398	352	310	274
55	169	201	229	253	273	290	302	311	316	317	303	287	268	248	227	206	187	168	153
60	128	137	144	151	157	161	164	167	168	168	165	160	155	149	144	138	132	127	122
65	105	105	105	105	105	104	104	104	104	103	103	102	102	101	100	99.7	99.1	98.4	97.8
70	73.8	73.8	73.7	73.6	73.5	73.3	73.1	72.8	72.5	72.1	71.6	71.1	70.6	70.0	69.4	68.8	68.2	67.6	66.9
75	42.7	43.2	43.6	43.9	44.1	44.2	44.2	44.2	44.1	43.8	43.3	42.8	42.1	41.4	40.7	40.0	39.3	38.6	38.0
80	23.2	23.4	23.6	23.7	23.8	23.9	23.9	23.9	23.8	23.7	23.5	23.2	22.9	22.5	22.2	21.8	21.5	21.1	20.8
85	14.1	13.8	13.5	13.3	13.0	12.7	12.4	12.2	11.9	11.6	11.3	11.1	10.8	10.6	10.3	10.1	9.87	9.63	9.40
90	23.3	22.3	21.2	20.1	19.0	17.9	16.8	15.6	14.5	13.3	11.8	10.4	8.94	7.55	6.22	4.97	3.81	2.77	1.86
95	51.5	50.5	49.4	48.1	46.5	44.8	42.8	40.7	38.3	35.7	31.5	27.3	23.0	18.9	14.9	11.3	8.06	5.37	3.29
100	75.5	74.4	72.9	71.3	69.3	67.1	64.6	61.9	58.8	55.5	49.7	43.8	37.9	32.3	27.1	22.4	18.6	15.6	13.7
105	96.9	95.9	94.5	92.8	90.7	88.3	85.6	82.5	79.1	75.3	68.4	61.4	54.5	47.9	41.7	36.3	31.8	28.4	26.4
110	118	117	116	115	113	110	107	104	101	96.4	88.5	80.5	72.5	64.8	57.6	51.3	46.0	42.0	39.6
115	141	140	139	138	135	133	130	126	122	117	108	99.4	90.4	81.7	73.6	66.5	60.5	56.0	53.2
120	165	163	162	159	157	154	150	146	141	136	126	117	107	97.8	89.2	81.6	75.3	70.5	67.6
125	187	185	182	179	175	171	167	162	157	151	141	131	121	112	103	95.7	89.4	84.7	82.0
130	206	203	199	194	190	185	180	174	168	162	153	143	133	124	116	109	103	98.5	96.0
135	220	215	210	205	200	194	189	183	177	171	162	152	143	135	127	121	116	112	110
140	226	221	215	210	204	199	193	188	182	176	168	160	152	144	138	132	128	124	123
145	226	221	215	210	205	200	195	190	185	180	172	165	159	153	147	143	139	136	135
150	220	215	211	207	202	198	194	190	185	181	176	170	165	160	156	152	149	147	146
155	210	207	204	201	198	194	191	188	185	182	178	174	170	167	164	161	159	158	157
160	201	199	197	195	192	190	188	186	184	182	180	177	174	172	170	168	167	166	165
165	192	191	190	189	188	187	186	185	183	182	181	179	178	176	175	174	173	172	172
170	186	186	185	185	184	184	184	183	183	182	182	181	180	179	179	178	178	178	178
175	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	181	181	181	181
180	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm																		
NAME: 4FT									TYPE:4000K 1.9					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					Shielding Angle:				

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3139	3140	3140	3140	3140	3140	3140	3139	3139	3139	3139	3138	3138	3137	3137	3137	3136	3136	3136
5	3111	3111	3110	3110	3109	3109	3108	3108	3108	3107	3107	3106	3106	3106	3106	3106	3106	3107	3109
10	3071	3070	3069	3068	3067	3066	3065	3064	3063	3062	3061	3060	3059	3058	3057	3057	3057	3057	3059
15	3004	3002	3001	2999	2997	2995	2993	2991	2990	2987	2985	2983	2981	2979	2978	2976	2975	2974	2975
20	2936	2931	2924	2917	2910	2902	2894	2886	2879	2873	2868	2863	2858	2854	2851	2847	2844	2842	2841
25	2812	2806	2799	2792	2783	2775	2765	2755	2744	2730	2716	2702	2688	2675	2662	2650	2639	2630	2627
30	2590	2587	2583	2578	2571	2564	2555	2545	2533	2509	2484	2457	2431	2405	2379	2355	2333	2314	2310
35	2136	2151	2168	2185	2200	2212	2219	2220	2214	2150	2079	2004	1928	1852	1778	1709	1648	1597	1614
40	1378	1425	1479	1536	1593	1648	1696	1735	1762	1686	1598	1501	1399	1296	1195	1100	1013	939	967
45	716	760	811	866	924	979	1030	1074	1107	1050	982	906	824	741	658	579	506	442	455
50	291	313	340	370	401	432	460	486	506	480	448	413	375	336	298	261	227	197	206
55	159	169	180	193	206	219	231	242	251	242	230	217	202	187	172	158	145	133	136
60	123	125	127	130	133	136	138	140	142	140	137	134	130	126	123	119	115	112	111
65	97.3	96.9	96.4	95.9	95.3	94.8	94.1	93.5	92.7	91.5	90.3	89.0	87.7	86.4	85.2	84.0	83.0	82.0	81.6
70	66.6	66.2	65.8	65.4	64.9	64.4	63.8	63.1	62.4	60.9	59.3	57.7	56.1	54.6	53.1	51.6	50.3	49.2	49.0
75	37.8	37.6	37.5	37.3	37.2	37.0	36.8	36.5	36.1	35.1	34.0	32.9	31.8	30.7	29.6	28.6	27.6	26.8	26.7
80	20.6	20.5	20.3	20.2	20.0	19.8	19.6	19.3	19.0	18.4	17.7	17.0	16.3	15.6	14.9	14.3	13.7	13.2	13.2
85	9.32	9.26	9.21	9.15	9.08	8.99	8.88	8.74	8.56	8.08	7.57	7.03	6.50	5.97	5.46	4.98	4.55	4.18	4.19
90	1.88	1.93	1.99	2.06	2.14	2.22	2.28	2.51	2.76	2.52	2.26	2.00	1.76	1.54	1.36	1.25	1.20	1.23	1.96
95	5.07	7.44	10.3	13.5	16.9	20.3	23.7	27.0	29.9	29.3	28.3	27.1	25.8	24.4	23.1	22.0	21.1	20.6	24.0
100	18.4	24.1	30.6	37.7	45.1	52.6	60.0	67.1	73.6	74.7	75.1	74.9	74.3	73.3	72.1	70.8	69.4	68.3	70.6
105	32.0	39.0	47.0	55.8	65.1	74.7	84.3	93.7	103	107	110	113	115	117	118	118	118	118	119
110	46.3	54.4	63.8	74.1	85.0	96.2	107	118	129	134	138	142	144	146	148	148	148	148	148
115	60.7	69.8	80.3	91.9	104	117	129	142	154	159	164	168	172	174	176	177	177	177	176
120	75.3	84.8	95.7	108	121	134	147	161	173	180	186	191	195	199	201	203	203	203	202
125	89.7	99.3	110	123	136	149	163	176	189	197	204	210	215	219	222	224	225	225	224
130	104	113	124	135	148	161	175	188	201	209	217	223	229	234	237	240	242	242	240
135	117	125	135	146	158	170	183	195	207	216	224	231	237	242	246	250	252	253	250
140	129	136	145	154	165	176	187	198	209	217	225	232	239	244	249	252	255	256	253
145	140	146	153	161	170	179	188	198	207	215	222	229	235	240	245	248	251	252	249
150	150	155	160	167	174	181	189	196	204	210	216	222	227	232	235	238	241	242	239
155	160	163	167	172	177	182	188	193	199	204	209	213	217	220	223	226	228	229	227
160	167	170	173	176	179	183	187	190	194	198	201	204	206	209	211	213	214	214	213
165	173	175	177	179	181	183	185	187	190	192	193	195	197	198	199	200	201	201	200
170	178	179	180	181	182	183	184	185	186	187	188	188	189	190	190	190	191	191	190
175	181	182	182	182	183	183	183	184	184	184	184	184	184	184	184	184	184	184	184
180	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm		
NAME: 4FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3135	3135	3135	3135	3135	3135	3135	3135	3136	3136	3137	3137	3138	3138	3138	3139	3139	3139	3140
5	3111	3113	3115	3118	3120	3122	3125	3127	3128	3130	3131	3132	3133	3134	3135	3136	3137	3138	3138
10	3062	3064	3067	3069	3072	3075	3077	3079	3079	3079	3079	3078	3078	3077	3077	3076	3076	3078	3080
15	2976	2978	2979	2981	2982	2984	2985	2987	2986	2985	2983	2982	2981	2980	2979	2978	2978	2979	2980
20	2840	2839	2839	2839	2840	2840	2840	2841	2839	2837	2836	2834	2833	2832	2832	2832	2833	2835	2838
25	2626	2626	2627	2629	2631	2634	2637	2640	2638	2637	2636	2634	2633	2633	2633	2633	2634	2638	2642
30	2309	2310	2313	2318	2324	2331	2338	2346	2346	2347	2347	2348	2348	2349	2351	2353	2356	2362	2368
35	1641	1676	1717	1762	1809	1856	1901	1943	1936	1924	1909	1892	1874	1856	1840	1826	1816	1839	1866
40	1007	1057	1115	1177	1240	1302	1359	1409	1377	1337	1292	1243	1195	1148	1106	1070	1044	1094	1154
45	477	507	543	582	623	663	701	734	708	677	643	608	573	541	513	491	477	525	580
50	219	236	256	277	299	320	339	356	341	324	304	284	264	245	228	214	204	226	252
55	140	146	153	161	168	176	183	189	184	178	172	165	158	151	145	140	137	145	155
60	111	111	112	112	113	114	114	115	115	115	115	115	115	115	115	115	115	117	119
65	81.3	81.1	81.0	81.0	81.2	81.4	81.7	82.0	82.5	83.1	83.7	84.4	85.0	85.7	86.4	87.1	87.7	87.9	88.0
70	49.0	49.1	49.4	49.7	50.2	50.7	51.3	51.9	52.2	52.5	52.8	53.1	53.4	53.8	54.2	54.5	55.0	55.3	55.7
75	26.6	26.7	26.9	27.2	27.5	27.9	28.3	28.7	28.9	29.1	29.3	29.4	29.6	29.9	30.1	30.3	30.6	30.9	31.2
80	13.2	13.3	13.4	13.6	13.8	14.0	14.3	14.6	14.7	14.8	14.9	15.0	15.1	15.3	15.4	15.6	15.7	15.9	16.1
85	4.26	4.38	4.55	4.74	4.95	5.18	5.40	5.61	5.57	5.51	5.44	5.38	5.32	5.27	5.25	5.25	5.29	5.47	5.70
90	2.76	3.60	4.44	5.26	6.03	6.72	7.29	7.72	6.76	5.68	4.56	3.44	2.39	1.47	0.75	0.28	0.12	2.13	4.44
95	27.6	31.5	35.3	39.0	42.5	45.5	47.9	49.5	45.5	40.7	35.5	30.1	24.6	19.2	14.2	9.87	6.29	8.63	11.8
100	73.1	75.5	77.7	79.7	81.2	82.2	82.4	81.8	75.0	67.5	59.6	51.4	43.4	35.7	28.5	22.3	17.1	19.5	23.0
105	119	119	118	117	115	112	109	105	96.5	87.2	77.6	68.1	58.8	50.1	42.1	35.3	29.7	32.4	36.4
110	148	147	146	144	141	137	133	128	118	108	96.6	85.8	75.3	65.5	56.6	48.9	42.8	46.0	50.7
115	175	174	172	169	165	160	155	149	138	126	114	102	90.8	80.2	70.6	62.4	55.9	59.5	64.9
120	201	198	195	191	186	180	174	167	155	142	130	117	105	94.2	84.3	75.9	69.3	73.2	78.9
125	221	218	214	209	203	196	189	181	168	156	143	130	118	107	97.7	89.4	82.9	86.8	92.6
130	237	233	227	221	214	207	199	190	178	165	153	141	130	120	110	103	96.7	100	106
135	246	241	235	229	221	213	204	195	184	172	161	150	140	131	122	116	110	113	118
140	249	244	238	231	223	215	206	197	187	177	167	157	149	141	134	128	123	126	130
145	245	240	234	228	220	213	205	197	188	180	171	164	156	150	144	139	136	138	141
150	236	232	226	221	215	208	202	195	188	181	175	169	163	158	154	150	148	149	151
155	224	220	217	212	207	202	197	192	187	182	178	173	169	166	162	160	158	159	160
160	211	209	206	203	200	196	193	189	186	183	180	177	174	172	170	168	167	167	168
165	199	198	196	194	193	191	189	187	185	183	181	179	178	176	175	174	174	174	174
170	190	189	189	188	187	186	185	184	184	183	182	181	181	180	179	179	179	179	179
175	184	184	184	184	184	184	183	183	183	183	183	183	182	182	182	182	182	181	181
180	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176

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:0.3060A P:36.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5431.68x1 lm																	
NAME: 4FT									TYPE:4000K 1.9						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3140	3140	3140	3140	3140	3139	3139	3139	3139	3138	3138	3138	3137	3137	3136				
5	3139	3139	3140	3140	3140	3140	3140	3140	3139	3139	3138	3137	3136	3135	3134				
10	3082	3084	3086	3088	3091	3093	3095	3097	3098	3100	3101	3102	3103	3104	3105				
15	2982	2984	2986	2989	2992	2996	3000	3005	3010	3015	3021	3027	3034	3041	3048				
20	2842	2847	2852	2857	2863	2870	2878	2885	2894	2903	2912	2922	2933	2944	2956				
25	2648	2654	2661	2668	2677	2686	2696	2707	2718	2730	2743	2757	2772	2787	2803				
30	2375	2384	2392	2402	2413	2424	2437	2450	2464	2479	2494	2511	2528	2546	2565				
35	1896	1930	1965	2001	2037	2073	2108	2129	2148	2165	2180	2193	2204	2212	2218				
40	1221	1292	1365	1438	1509	1574	1632	1648	1654	1650	1636	1612	1579	1535	1482				
45	641	706	772	837	900	958	1010	1025	1030	1028	1016	995	966	927	880				
50	280	310	341	372	402	429	454	460	462	459	452	441	426	406	382				
55	165	176	187	198	208	218	225	226	225	223	218	212	204	194	183				
60	120	122	124	126	127	129	130	131	131	132	132	131	131	130	129				
65	88.2	88.4	88.6	88.9	89.3	89.8	90.4	91.5	92.7	94.0	95.4	97.1	98.8	101	103				
70	56.1	56.6	57.1	57.7	58.4	59.2	60.0	61.1	62.3	63.7	65.1	66.6	68.2	70.0	71.8				
75	31.6	32.0	32.4	32.8	33.3	33.9	34.5	35.2	36.0	36.8	37.6	38.5	39.5	40.5	41.6				
80	16.3	16.5	16.8	17.1	17.4	17.7	18.1	18.6	19.0	19.5	20.0	20.6	21.2	21.8	22.5				
85	5.97	6.27	6.61	6.99	7.41	7.86	8.35	8.85	9.39	9.97	10.6	11.2	11.9	12.6	13.3				
90	6.98	9.67	12.5	15.3	18.0	20.6	23.0	24.1	25.0	25.6	25.9	26.0	25.7	25.2	24.4				
95	15.7	20.1	25.0	30.0	35.1	40.1	44.9	47.3	49.2	50.7	51.8	52.5	52.9	52.8	52.3				
100	27.6	32.9	38.8	45.0	51.4	57.8	64.0	67.0	69.6	71.7	73.4	74.7	75.6	76.0	76.0				
105	41.5	47.5	54.2	61.3	68.7	76.0	83.0	86.5	89.5	92.1	94.1	95.6	96.7	97.3	97.3				
110	56.7	63.7	71.4	79.7	88.1	96.5	104	108	112	114	116	118	119	119	119				
115	71.6	79.5	88.2	97.4	107	116	125	130	133	136	139	141	142	142	142				
120	86.1	94.4	104	114	124	134	144	149	153	156	159	162	163	165	165				
125	99.8	108	118	128	138	149	159	164	169	173	177	180	183	185	186				
130	112	121	130	139	149	159	169	175	181	186	190	194	198	201	204				
135	124	132	140	149	158	167	177	183	188	194	199	204	208	212	216				
140	135	141	148	156	164	173	181	187	192	197	203	208	213	217	222				
145	145	150	156	162	169	176	183	188	193	198	202	207	212	217	221				
150	154	158	163	167	173	178	184	188	192	196	200	204	208	212	216				
155	163	165	168	172	175	179	183	186	189	192	195	198	201	204	207				
160	170	171	173	175	178	180	183	185	187	189	191	193	195	197	199				
165	175	176	177	178	179	180	182	183	184	185	186	187	189	190	191				
170	179	179	179	180	180	181	181	182	182	183	183	184	184	185	185				
175	181	181	181	181	181	181	181	181	181	181	182	182	182	182	182				
180	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176				

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: