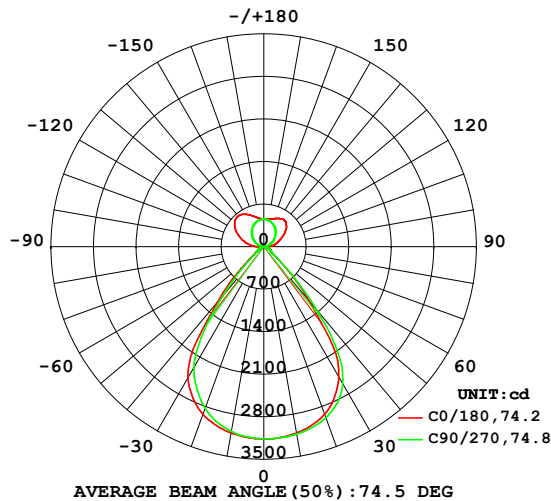


LUMINAIRE PHOTOMETRIC TEST REPORT

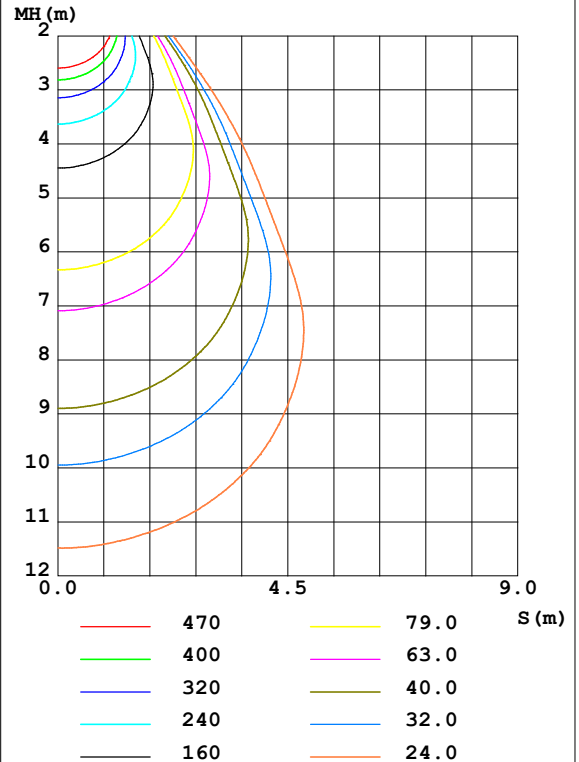
Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.90 lm/W			
MODEL		I _{max} (cd)	3166	S/MH(C0/180)	1.07
NOMINAL POWER(W)	48W	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6667.1	η UP,DN(C0-180)	14.8,36.8
NOMINAL FLUX(lm)	6667.07	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.3,33.1
LAMPS INSIDE	1	η up(%)	30.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	69.9	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:

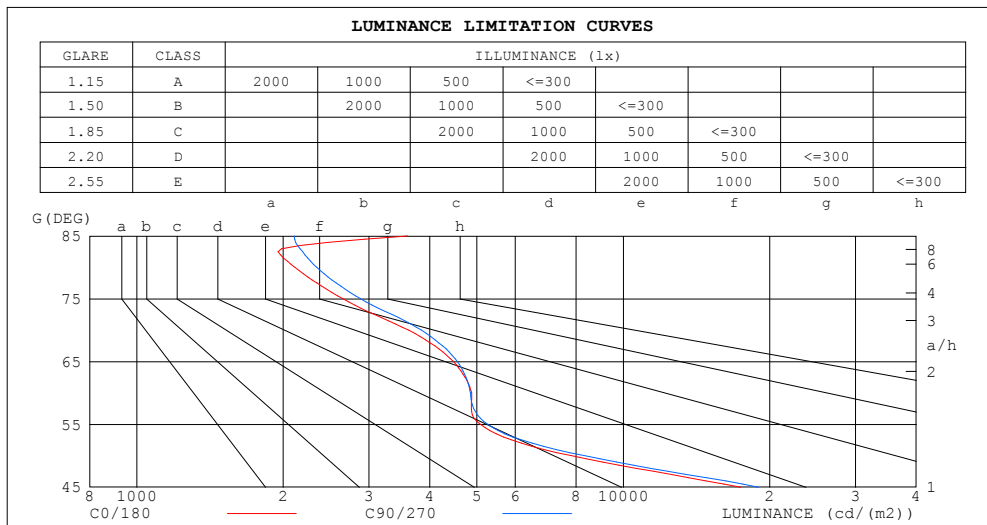
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3114	3120	3131	3131	3112	3099	3087	3086	0- 10	299.4	299.4	4.49,4.49
20	2934	2963	2993	2993	2934	2887	2828	2842	10- 20	855.8	1155	17.3,17.3
30	2471	2580	2599	2650	2496	2427	2300	2318	20- 30	1256	2411	36.2,36.2
40	1159	1782	1347	1919	1169	1571	1018	1432	30- 40	1253	3665	55,55
50	251.1	523.9	267.2	625.2	255.1	421.6	205.3	376.8	40- 50	651.7	4316	64.7,64.7
60	122.0	147.1	121.2	162.1	120.1	130.0	114.2	117.7	50- 60	191.0	4507	67.6,67.6
70	61.95	63.42	65.79	69.89	61.63	59.49	55.19	52.62	60- 70	91.73	4599	69,69
80	18.37	19.83	20.34	23.73	19.11	18.90	16.08	15.92	70- 80	38.75	4638	69.6,69.6
90	51.55	25.99	1.747	70.65	91.22	103.3	1.821	53.36	80- 90	22.46	4660	69.9,69.9
100	170.3	121.8	34.40	209.2	263.7	226.0	43.79	141.9	90-100	112.7	4773	71.6,71.6
110	260.0	220.4	97.43	328.0	399.9	346.3	110.2	245.6	100-110	211.6	4985	74.8,74.8
120	373.5	321.4	166.6	436.1	531.2	437.3	181.3	351.7	110-120	299.3	5284	79.3,79.3
130	487.8	391.4	235.6	508.8	627.3	488.2	250.8	415.8	120-130	349.4	5633	84.5,84.5
140	549.6	429.3	303.5	528.3	658.6	499.4	316.5	451.3	130-140	346.5	5980	89.7,89.7
150	534.6	445.5	363.8	514.0	617.7	489.6	373.1	453.6	140-150	295.6	6275	94.1,94.1
160	492.5	451.0	411.4	487.5	541.1	472.9	418.7	455.9	150-160	217.3	6493	97.4,97.4
170	463.8	452.3	442.7	465.2	477.8	459.3	446.2	453.1	160-170	130.9	6624	99.3,99.3
180	449.3	449.3	449.3	449.3	449.3	449.3	449.3	449.3	170-180	43.49	6667	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

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

LUMINANCE LIMITATION CURVES

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3603	2108
80	2116	2343
75	2654	2885
70	3623	3847
65	4475	4560
60	4878	4848
55	5086	5261
50	7812	8313
45	17460	18953

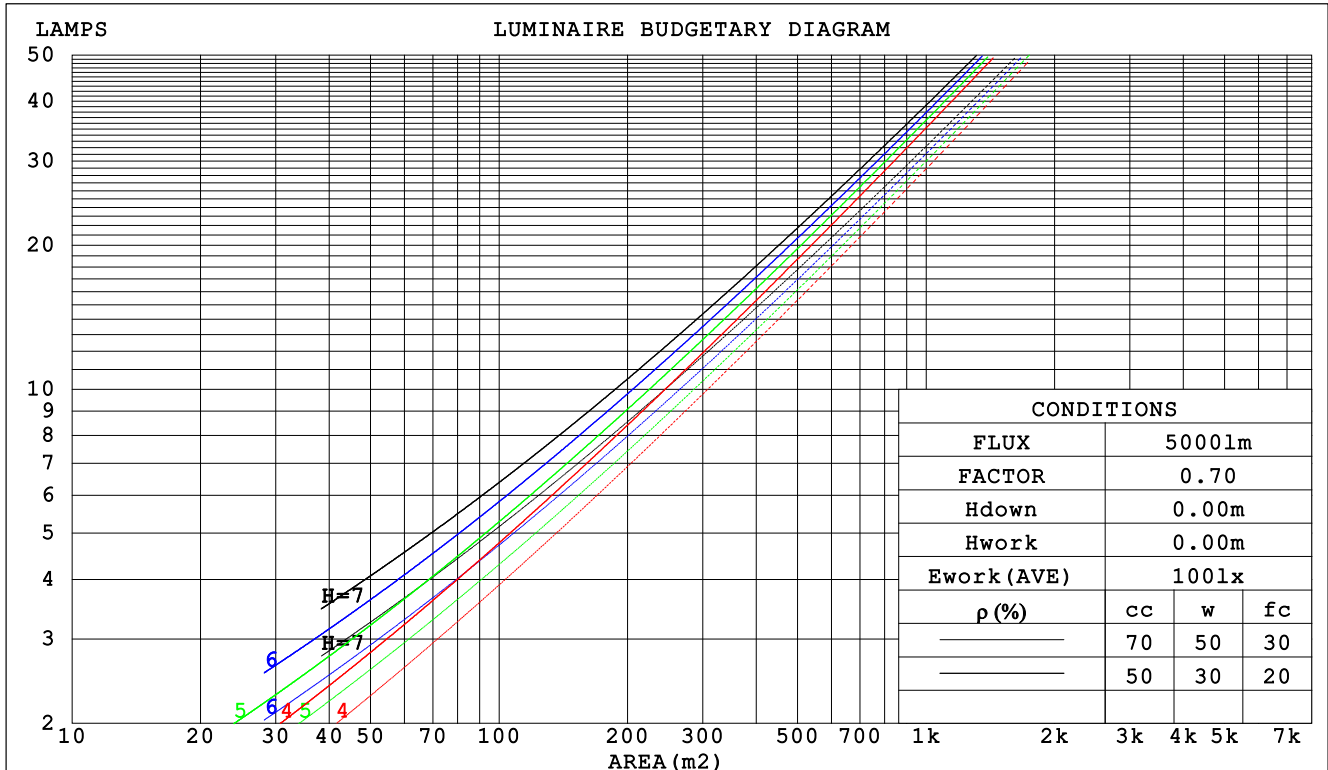
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	1.01	.98	.95	.96	.93	.91	.86	.84	.83	.78	.76	.75	.69	.68	.67	.64
2.0	.91	.86	.82	.87	.83	.79	.79	.76	.73	.71	.69	.67	.64	.63	.61	.58
3.0	.83	.77	.72	.79	.74	.69	.72	.68	.64	.66	.62	.60	.60	.57	.55	.52
4.0	.75	.69	.64	.72	.66	.62	.66	.61	.58	.60	.57	.54	.55	.52	.50	.47
5.0	.69	.62	.57	.66	.60	.55	.61	.56	.52	.56	.52	.49	.51	.48	.46	.43
6.0	.63	.56	.51	.61	.54	.50	.56	.51	.47	.52	.47	.44	.48	.44	.42	.39
7.0	.58	.51	.46	.56	.49	.45	.52	.46	.43	.48	.44	.40	.44	.41	.38	.36
8.0	.54	.47	.42	.52	.45	.41	.48	.43	.39	.45	.40	.37	.41	.38	.35	.33
9.0	.50	.43	.38	.48	.42	.37	.45	.39	.36	.42	.37	.34	.39	.35	.32	.31
10.0	.46	.39	.35	.45	.38	.34	.42	.36	.33	.39	.34	.31	.36	.33	.30	.28



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

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

WEC AND CCEC

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm					
NAME: 4FT			TYPE:3000K 3.7		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	.225	.128	.040	.209	.119	.038	.179	.103	.033	.152	.087	.028	.126	.073	.024		
2.0	.213	.117	.036	.199	.109	.034	.172	.096	.030	.147	.083	.026	.124	.070	.022		
3.0	.201	.107	.032	.188	.101	.030	.164	.089	.027	.141	.077	.024	.120	.067	.021		
4.0	.189	.098	.029	.177	.093	.027	.155	.082	.025	.135	.072	.022	.116	.063	.019		
5.0	.178	.091	.026	.168	.086	.025	.148	.077	.023	.129	.068	.020	.111	.059	.018		
6.0	.169	.084	.024	.159	.080	.023	.140	.072	.021	.123	.064	.019	.107	.056	.017		
7.0	.159	.079	.022	.150	.075	.021	.133	.067	.019	.117	.060	.017	.102	.053	.016		
8.0	.151	.074	.021	.143	.070	.020	.127	.063	.018	.112	.057	.016	.098	.050	.015		
9.0	.143	.069	.019	.136	.066	.019	.121	.060	.017	.107	.054	.015	.094	.048	.014		
10.0	.136	.065	.018	.129	.062	.017	.116	.057	.016	.103	.051	.014	.090	.045	.013		

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	.420	.420	.420	.359	.359	.359	.245	.245	.245	.141	.141	.141	.045	.045	.045	
1.0	.406	.388	.372	.347	.333	.320	.237	.229	.222	.137	.133	.129	.044	.043	.042	
2.0	.394	.365	.340	.338	.314	.294	.232	.217	.205	.134	.126	.120	.043	.041	.039	
3.0	.385	.348	.318	.330	.300	.276	.227	.208	.193	.131	.122	.114	.042	.040	.037	
4.0	.377	.335	.302	.324	.289	.263	.223	.202	.185	.129	.118	.109	.041	.038	.036	
5.0	.370	.324	.291	.318	.281	.253	.219	.196	.179	.127	.115	.106	.041	.038	.035	
6.0	.364	.316	.282	.312	.274	.246	.216	.192	.174	.125	.113	.103	.040	.037	.034	
7.0	.358	.310	.276	.308	.268	.240	.213	.188	.170	.124	.111	.101	.040	.036	.034	
8.0	.352	.304	.271	.303	.264	.236	.210	.185	.167	.122	.109	.100	.039	.036	.033	
9.0	.347	.299	.267	.299	.260	.233	.207	.183	.165	.121	.108	.099	.039	.035	.033	
10.0	.343	.295	.264	.295	.256	.230	.205	.180	.164	.120	.107	.098	.039	.035	.032	

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

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

UGR(Unified Glare Rating) Table

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm										
NAME: 4FT					TYPE:3000K 3.7			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	18.7	19.6	19.3	20.2	20.9	18.5	19.4	19.2	20.1	20.8
3H	18.6	19.4	19.2	20.0	20.8	18.4	19.3	19.1	19.9	20.7
4H	18.5	19.2	19.2	19.9	20.7	18.4	19.1	19.0	19.8	20.6
6H	18.4	19.1	19.1	19.8	20.6	18.3	19.0	19.0	19.7	20.5
8H	18.3	19.0	19.0	19.7	20.5	18.2	18.9	18.9	19.6	20.4
12H	18.3	18.9	19.0	19.6	20.5	18.1	18.8	18.9	19.5	20.3
4H 2H	18.4	19.2	19.1	19.8	20.6	18.2	19.0	18.9	19.7	20.5
3H	18.3	19.0	19.0	19.7	20.5	18.2	18.8	18.9	19.5	20.4
4H	18.2	18.8	19.0	19.6	20.4	18.1	18.7	18.9	19.4	20.3
6H	18.1	18.7	18.9	19.4	20.3	18.1	18.6	18.8	19.3	20.2
8H	18.1	18.6	18.9	19.3	20.3	18.0	18.5	18.8	19.2	20.2
12H	18.0	18.5	18.9	19.3	20.2	17.9	18.4	18.8	19.2	20.1
8H 4H	18.1	18.5	18.9	19.3	20.2	18.0	18.4	18.7	19.2	20.1
6H	18.0	18.4	18.8	19.2	20.2	17.9	18.3	18.7	19.1	20.1
8H	17.9	18.3	18.8	19.1	20.1	17.9	18.2	18.7	19.0	20.0
12H	17.9	18.2	18.8	19.0	20.1	17.8	18.1	18.7	18.9	20.0
12H 4H	18.0	18.4	18.8	19.2	20.2	17.9	18.3	18.7	19.1	20.1
6H	17.9	18.2	18.8	19.1	20.1	17.8	18.2	18.7	19.0	20.0
8H	17.9	18.2	18.7	19.0	20.0	17.8	18.1	18.6	18.9	19.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 5.2					+ 2.2 / - 5.2				
1.5H	+ 2.9 / - 5.3					+ 3.1 / - 5.0				
2.0H	+ 4.5 / - 3.2					+ 4.1 / - 2.8				

CIE Pub.117 Corrected 6667 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.6)

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

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

UTILIZATION FACTORS TABLE

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

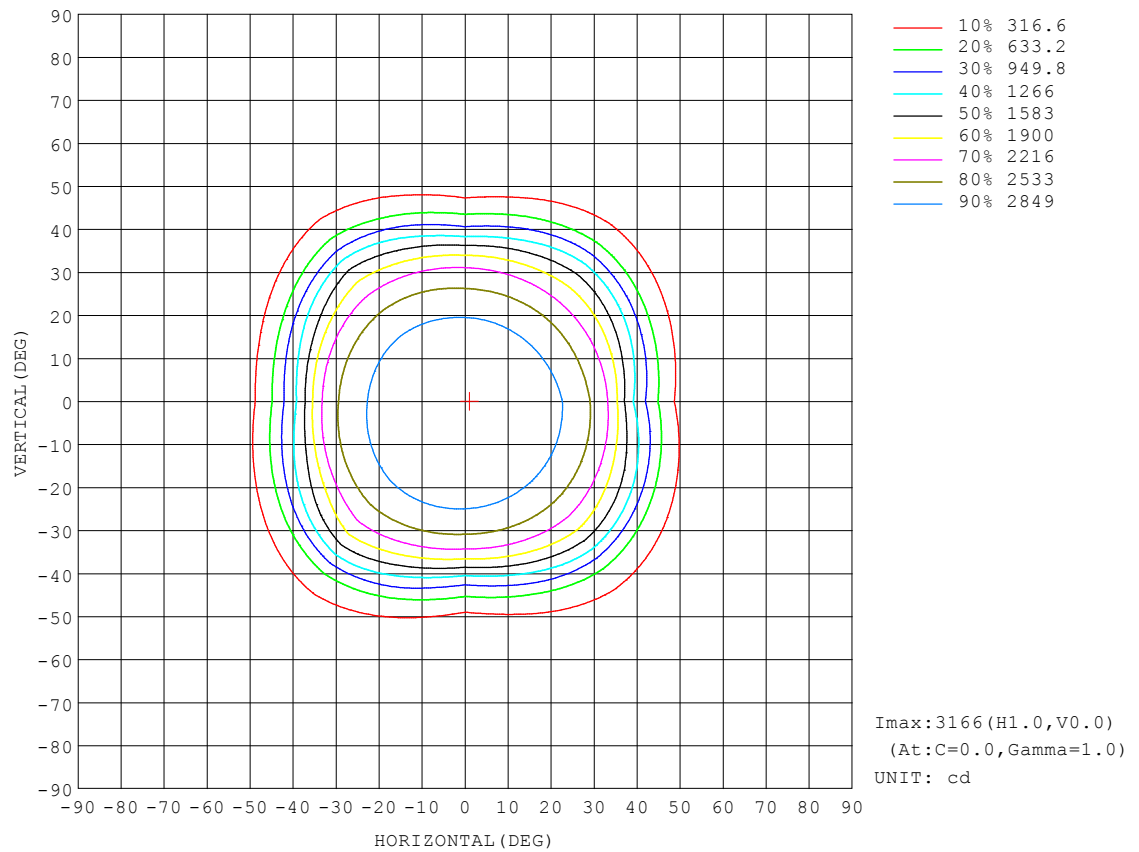
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	55	50	62	54	49	59	52	48	42
0.80	72	63	58	70	62	57	66	60	55	48
1.00	79	70	64	76	68	63	71	66	61	53
1.25	84	76	71	81	74	69	76	70	66	57
1.50	88	81	75	85	78	73	79	73	70	59
2.00	93	86	81	89	83	79	82	78	74	62
2.50	96	90	85	92	87	82	84	80	77	63
3.00	99	93	89	94	89	85	86	82	79	64
4.00	102	97	93	97	93	90	88	85	83	66
5.00	104	100	96	99	95	92	89	87	85	67
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

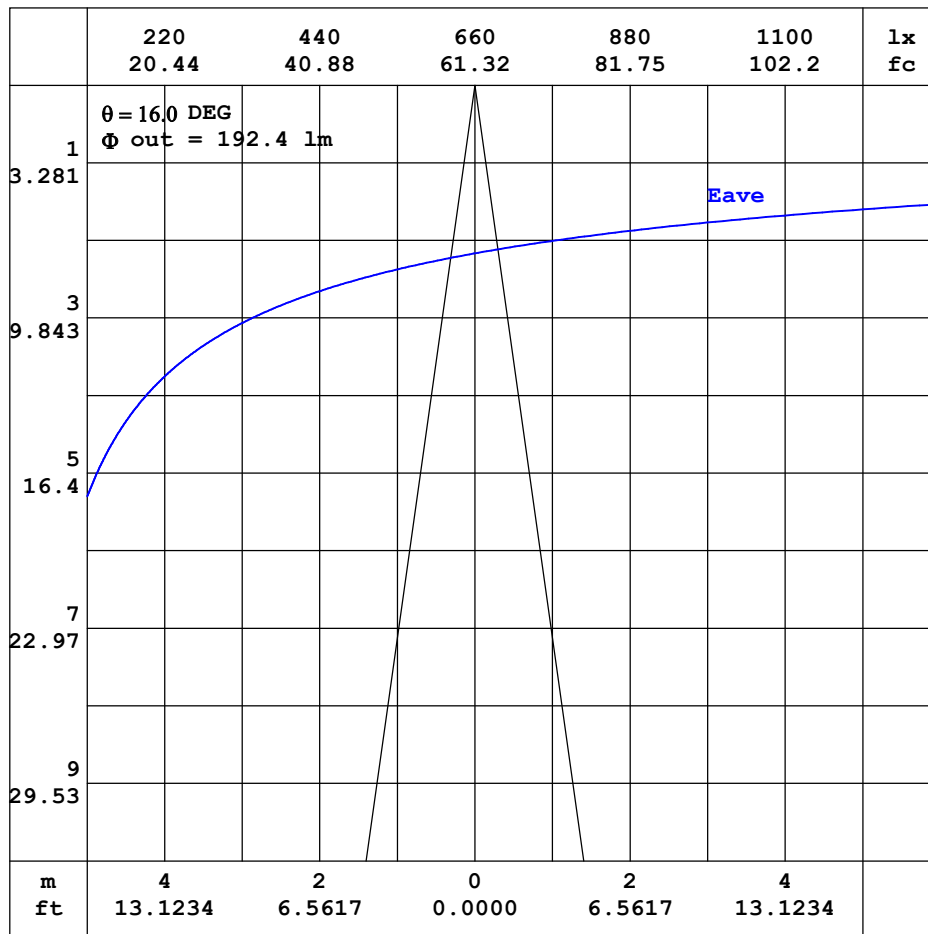


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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

AAI CURVES

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



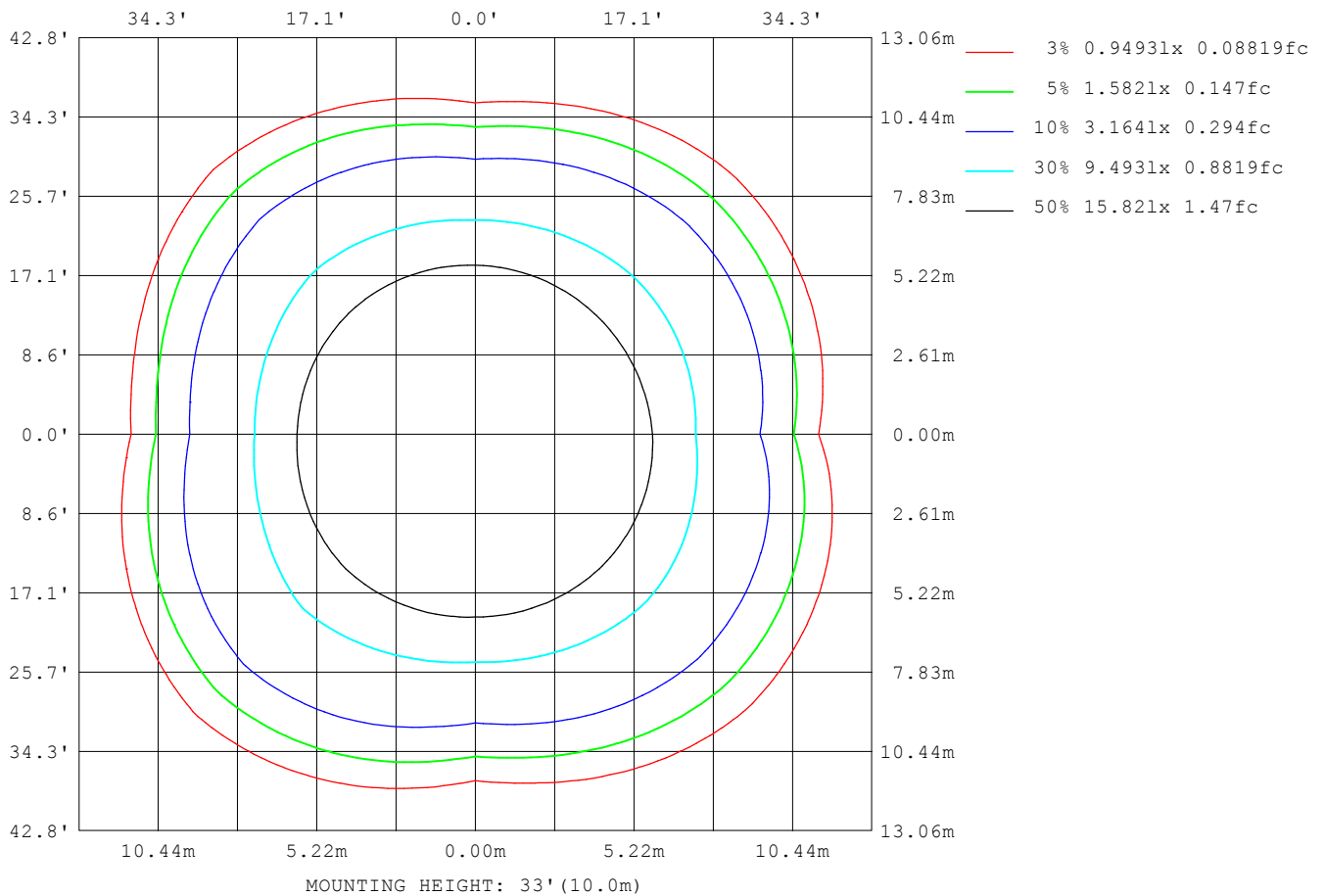
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



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

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

LED Avg.L Report

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

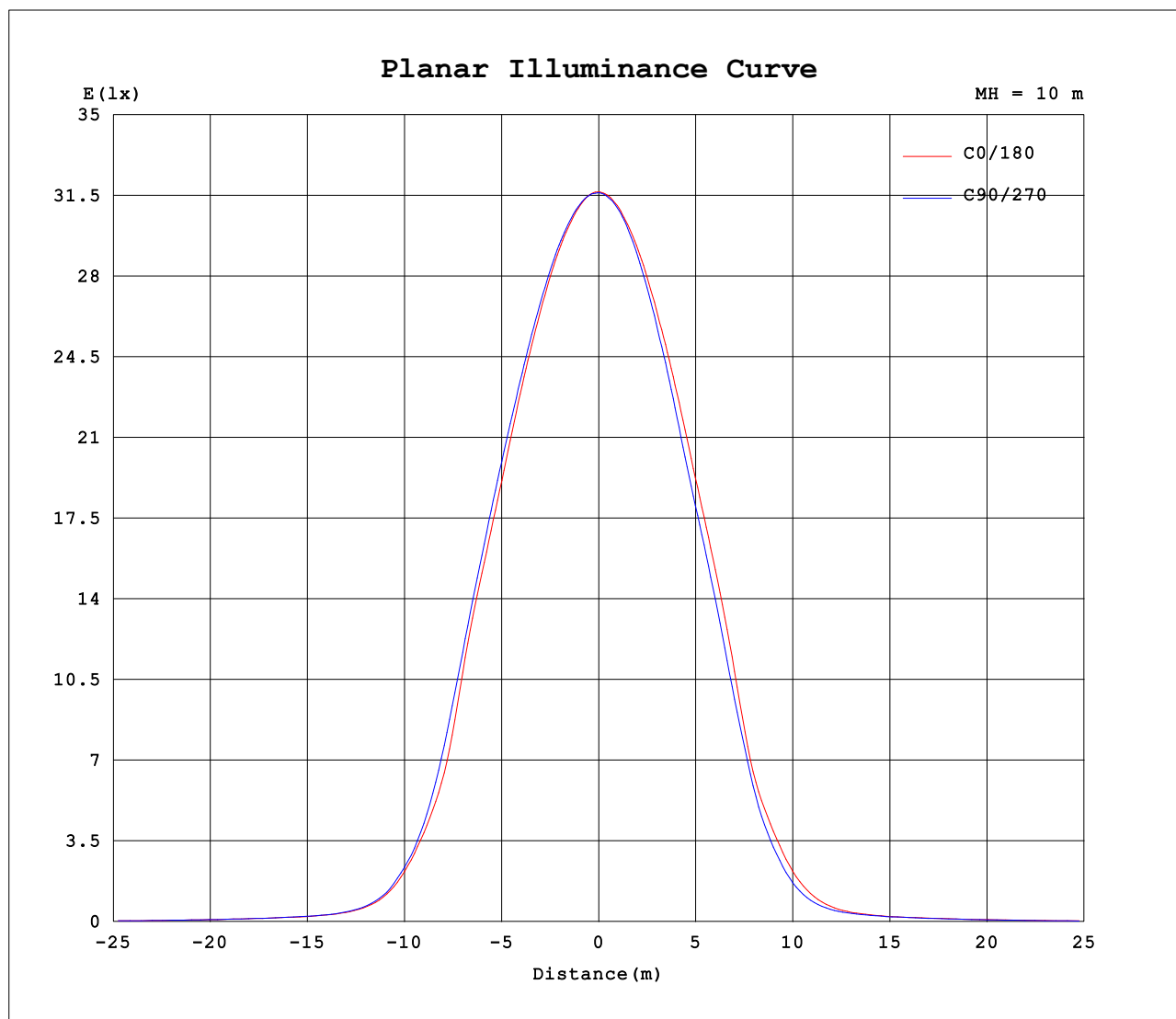
AvgL	cd/m2
L_0~180 (65) av	4451
L_0~180 (75) av	2667
L_0~180 (85) av	4248
L_90~270 (65) av	4339
L_90~270 (75) av	2633
L_90~270 (85) av	1715
L_45 (65) av	4334
L_45 (75) av	2776
L_45 (85) av	3025

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	3164	3164	3164	3164	3164	3163	3163	3163	3163	3163	3163	3162	3162	3162	3162	3162	3162	3162	3162
5	3152	3152	3153	3153	3153	3153	3153	3153	3154	3154	3154	3155	3155	3156	3156	3157	3157	3158	3158
10	3114	3114	3115	3115	3116	3116	3117	3118	3119	3120	3121	3122	3123	3125	3126	3127	3129	3130	3131
15	3046	3047	3048	3049	3051	3052	3054	3056	3058	3059	3062	3065	3067	3070	3072	3075	3077	3079	3081
20	2934	2937	2940	2943	2947	2950	2953	2957	2960	2963	2967	2971	2974	2978	2981	2985	2988	2990	2993
25	2747	2754	2761	2768	2775	2781	2788	2794	2800	2806	2812	2817	2823	2828	2833	2838	2842	2845	2849
30	2471	2487	2503	2517	2530	2542	2553	2563	2572	2580	2584	2588	2590	2592	2594	2595	2597	2598	2599
35	1968	2018	2063	2103	2139	2169	2195	2216	2232	2244	2237	2226	2213	2197	2181	2165	2150	2137	2128
40	1159	1281	1389	1484	1566	1636	1692	1735	1765	1782	1748	1704	1652	1596	1539	1482	1429	1383	1347
45	617	722	814	895	964	1020	1065	1098	1119	1128	1087	1037	980	921	860	802	749	704	670
50	251	308	357	401	438	468	492	509	520	524	501	472	441	407	373	341	311	286	267
55	146	170	192	210	226	239	249	256	261	263	253	240	227	212	198	184	171	159	151
60	122	127	132	136	139	142	144	146	147	147	145	142	138	135	131	128	125	123	121
65	94.6	94.3	94.1	94.0	93.9	93.8	93.8	93.8	93.8	93.9	94.0	94.2	94.4	94.7	95.0	95.3	95.6	96.0	96.4
70	61.9	62.1	62.2	62.3	62.5	62.7	62.8	63.0	63.2	63.4	63.6	63.8	64.1	64.3	64.6	64.9	65.1	65.5	65.8
75	34.3	34.7	35.1	35.4	35.7	36.0	36.3	36.5	36.7	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.1	37.2	37.3
80	18.4	18.6	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.8	19.9	19.9	19.9	19.9	20.0	20.0	20.1	20.2	20.3
85	15.7	14.7	13.8	13.0	12.2	11.6	10.9	10.4	9.94	9.54	9.23	8.99	8.82	8.72	8.69	8.78	8.88	8.98	9.19
90	51.6	48.6	45.8	42.9	40.0	37.2	34.4	31.6	28.8	26.0	21.5	17.3	13.2	9.59	6.48	4.01	2.32	1.69	1.75
95	120	117	114	110	106	102	97.1	92.0	86.5	80.6	69.9	59.1	48.6	38.8	29.9	22.3	16.3	12.3	10.6
100	170	167	163	158	154	148	142	136	129	122	109	95.2	82.2	69.9	58.8	49.3	41.8	36.7	34.4
105	212	210	207	204	199	195	189	183	176	168	153	137	122	108	94.4	83.0	73.9	67.6	64.6
110	260	260	258	256	253	248	243	236	229	220	203	185	167	150	134	121	110	102	97.4
115	316	316	315	313	309	304	299	291	283	273	253	233	212	193	175	159	146	136	131
120	373	373	371	368	363	357	350	342	332	321	300	277	255	234	214	197	183	173	167
125	434	430	425	419	412	404	395	385	373	361	338	315	292	270	249	232	217	207	201
130	488	480	472	462	452	442	430	418	405	391	368	345	322	300	281	264	250	241	236
135	524	513	502	491	479	467	455	442	428	414	392	370	349	329	311	295	283	275	270
140	550	536	523	510	497	483	470	457	443	429	409	389	370	353	337	324	314	307	304
145	553	540	527	514	501	489	476	464	451	439	422	405	389	375	362	351	343	337	335
150	535	524	514	504	494	484	474	465	455	446	432	419	406	395	385	376	370	366	364
155	514	506	499	492	484	477	470	463	456	449	439	429	420	412	405	398	394	390	389
160	493	488	483	478	474	469	465	460	456	451	444	438	432	426	422	417	414	412	411
165	478	475	472	469	466	463	460	457	455	452	448	444	441	438	435	433	431	430	429
170	464	462	461	460	458	457	456	455	453	452	451	449	447	446	445	444	443	443	443
175	455	455	455	454	454	454	453	453	453	453	452	452	452	451	451	451	451	451	451
180	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	3162	3162	3161	3161	3161	3161	3161	3161	3161	3162	3162	3162	3163	3163	3164	3164	3164	3164	3164
5	3158	3158	3158	3158	3157	3157	3157	3157	3156	3156	3155	3155	3154	3154	3153	3153	3152	3151	3151
10	3131	3132	3132	3133	3133	3132	3132	3131	3131	3129	3127	3125	3123	3121	3119	3116	3114	3112	3110
15	3082	3082	3083	3083	3082	3082	3081	3079	3078	3075	3071	3068	3064	3060	3056	3052	3047	3043	3040
20	2995	2996	2997	2998	2998	2998	2997	2995	2993	2988	2982	2976	2970	2963	2956	2949	2941	2934	2929
25	2852	2855	2858	2859	2860	2860	2859	2857	2853	2845	2836	2826	2815	2803	2792	2780	2768	2757	2750
30	2608	2616	2625	2632	2639	2644	2648	2650	2650	2638	2623	2607	2590	2571	2552	2533	2514	2496	2486
35	2152	2179	2208	2237	2266	2292	2315	2332	2344	2314	2277	2236	2192	2146	2100	2056	2014	1976	1977
40	1403	1469	1540	1615	1689	1760	1824	1878	1919	1855	1779	1693	1602	1507	1413	1323	1241	1169	1196
45	732	805	884	967	1050	1130	1203	1267	1317	1263	1196	1118	1033	945	856	770	689	618	632
50	301	341	385	430	476	520	561	597	625	597	561	520	475	429	381	336	293	255	264
55	164	180	198	217	235	254	270	285	297	285	271	254	236	217	198	180	163	148	152
60	125	130	135	140	145	150	155	159	162	159	155	151	146	140	135	130	125	120	120
65	96.9	97.5	98.1	98.7	99.1	99.6	99.9	100	100	99.8	99.2	98.6	97.8	97.0	96.1	95.3	94.4	93.5	93.0
70	66.4	67.1	67.7	68.2	68.8	69.2	69.6	69.8	69.9	69.2	68.5	67.6	66.6	65.6	64.6	63.6	62.6	61.6	61.2
75	38.0	38.7	39.4	40.1	40.8	41.4	41.9	42.2	42.5	41.9	41.2	40.3	39.4	38.4	37.5	36.5	35.6	34.7	34.5
80	20.8	21.2	21.7	22.1	22.6	22.9	23.3	23.5	23.7	23.4	23.0	22.5	21.9	21.4	20.8	20.2	19.6	19.1	19.0
85	9.48	9.83	10.2	10.7	11.2	11.8	12.4	13.0	13.7	14.6	15.5	16.5	17.4	18.3	19.1	19.9	20.7	21.3	21.8
90	7.39	14.0	21.4	29.3	37.6	46.1	54.5	62.8	70.6	74.6	78.0	80.9	83.4	85.5	87.3	88.8	90.1	91.2	94.9
95	21.9	35.3	50.5	66.9	84.3	102	120	137	154	162	170	176	181	185	188	190	191	192	194
100	47.9	64.0	82.4	102	124	145	167	189	209	221	231	239	247	253	257	261	263	264	265
105	80.2	98.9	120	144	168	193	219	244	268	281	293	303	311	318	323	327	330	331	332
110	115	136	160	187	215	243	272	301	328	343	357	368	378	385	392	396	399	400	401
115	150	173	200	229	260	292	324	355	386	403	418	431	443	452	459	464	467	468	468
120	187	211	239	270	302	336	370	404	436	456	473	488	501	511	520	526	530	531	530
125	222	246	275	307	340	375	411	445	479	500	519	536	551	563	572	579	584	586	582
130	255	280	308	339	372	406	441	475	509	531	552	571	587	600	611	620	625	627	622
135	288	311	337	365	396	428	461	493	525	548	569	589	606	621	633	642	649	652	644
140	319	339	361	387	414	442	471	500	528	551	572	592	609	625	638	648	655	659	650
145	348	364	383	404	427	451	475	500	524	545	564	583	599	614	626	636	643	647	639
150	374	387	402	418	436	455	475	495	514	531	548	563	577	589	600	608	614	618	610
155	397	406	417	430	443	457	472	486	501	514	527	538	549	559	567	573	578	580	575
160	417	423	431	439	448	458	468	478	487	496	505	513	520	526	532	536	539	541	537
165	433	437	441	446	452	457	463	469	475	480	485	490	494	497	500	503	505	505	503
170	444	446	449	451	454	457	460	462	465	467	470	472	473	475	476	477	478	478	477
175	452	452	453	454	455	456	457	457	458	459	459	460	460	461	461	461	461	461	461
180	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm		
NAME: 4FT	TYPE:3000K 3.7	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	3164	3164	3164	3164	3163	3163	3163	3163	3163	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162
5	3150	3150	3149	3148	3148	3147	3147	3146	3146	3145	3145	3144	3144	3144	3143	3143	3142	3142	3141
10	3109	3107	3106	3104	3103	3102	3100	3099	3098	3096	3095	3093	3092	3091	3089	3088	3087	3086	3085
15	3037	3035	3032	3029	3026	3024	3021	3018	3014	3010	3007	3003	2999	2996	2993	2990	2987	2985	2984
20	2923	2918	2913	2908	2903	2898	2892	2887	2879	2872	2865	2857	2850	2844	2838	2833	2828	2826	2825
25	2743	2737	2731	2724	2718	2711	2705	2697	2685	2672	2659	2647	2635	2623	2613	2603	2595	2593	2592
30	2478	2470	2463	2456	2449	2442	2434	2427	2412	2396	2381	2366	2351	2336	2323	2311	2300	2295	2292
35	1983	1992	2002	2014	2026	2037	2045	2050	2020	1988	1952	1916	1880	1844	1812	1782	1757	1764	1776
40	1233	1279	1331	1385	1440	1490	1535	1571	1522	1463	1398	1329	1259	1190	1125	1067	1018	1047	1085
45	657	688	726	765	806	845	879	907	868	822	771	718	664	611	561	516	479	502	532
50	278	296	318	340	363	385	405	422	402	380	354	327	299	272	247	224	205	218	234
55	158	166	175	184	194	203	212	219	212	204	194	184	173	163	153	144	137	141	147
60	121	121	123	124	126	127	129	130	129	127	125	123	121	120	118	116	114	114	114
65	92.5	92.0	91.6	91.2	90.8	90.4	90.0	89.7	89.4	89.1	88.8	88.5	88.3	88.0	87.7	87.3	87.0	86.3	85.5
70	60.9	60.6	60.4	60.2	60.0	59.9	59.7	59.5	59.0	58.6	58.1	57.6	57.1	56.6	56.1	55.7	55.2	54.6	54.1
75	34.4	34.3	34.3	34.4	34.4	34.5	34.5	34.5	34.2	33.8	33.4	32.9	32.5	32.1	31.6	31.2	30.8	30.5	30.2
80	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.6	18.3	18.0	17.7	17.3	17.0	16.7	16.4	16.1	15.9	15.8
85	22.1	22.3	22.4	22.3	22.1	21.7	21.2	20.6	19.0	17.4	15.6	13.8	12.0	10.3	8.62	7.10	5.76	5.48	5.41
90	98.3	101	104	106	107	107	106	103	92.7	81.1	68.9	56.3	43.9	31.8	20.5	10.4	1.82	3.77	7.32
95	195	195	195	193	190	185	179	172	154	136	116	96.8	77.8	59.7	43.0	28.3	16.1	19.5	25.4
100	265	264	261	258	252	245	236	226	205	183	160	138	115	94.4	75.0	58.0	43.8	47.3	53.7
105	333	331	328	324	317	309	299	287	263	237	211	185	159	135	112	92.3	75.9	80.3	88.2
110	401	399	395	389	382	372	360	346	319	290	261	231	202	175	150	128	110	116	126
115	466	463	457	449	439	427	413	396	367	335	304	272	242	213	187	164	146	153	164
120	526	520	511	501	488	473	456	437	406	374	341	309	277	248	222	199	181	190	203
125	576	567	556	543	527	510	490	469	437	405	372	340	310	281	256	234	217	225	237
130	613	602	588	572	553	533	511	488	457	426	395	365	336	310	286	266	251	258	270
135	634	620	605	586	566	544	521	497	469	440	412	385	359	336	315	298	285	292	303
140	639	625	608	589	568	546	523	499	474	449	424	401	379	359	342	327	316	322	331
145	627	614	597	579	560	539	518	496	475	454	433	414	396	380	365	354	345	349	356
150	601	589	575	560	543	526	508	490	473	456	440	425	412	399	388	380	373	376	381
155	567	558	547	535	522	509	495	481	469	457	446	435	425	416	409	402	398	400	403
160	532	525	518	510	501	492	482	473	465	457	449	442	436	430	426	422	419	420	422
165	500	496	491	487	481	476	471	465	461	456	452	448	445	441	439	437	435	435	437
170	475	473	471	469	467	464	462	459	457	455	454	452	450	449	448	447	446	446	447
175	460	460	459	458	458	457	456	456	455	455	454	454	453	453	453	452	452	452	452
180	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.8V I:0.4050A P:48.70W PF:0.9900 Freq:60.00Hz Lamp Flux:6667.07x1 lm																	
NAME: 4FT									TYPE:3000K 3.7						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	3161	3161	3161	3161	3161	3161	3161	3162	3162	3162	3162	3163	3163	3163	3164				
5	3140	3139	3139	3138	3138	3138	3138	3138	3139	3141	3142	3144	3145	3148	3150				
10	3085	3084	3084	3084	3084	3085	3086	3088	3090	3092	3095	3098	3101	3105	3109				
15	2983	2983	2983	2983	2985	2986	2989	2992	2997	3002	3007	3014	3021	3028	3037				
20	2825	2825	2827	2829	2833	2837	2842	2848	2856	2864	2873	2883	2895	2907	2920				
25	2592	2594	2598	2603	2609	2616	2625	2634	2644	2655	2668	2681	2696	2712	2729				
30	2290	2291	2293	2296	2302	2309	2318	2328	2340	2354	2369	2386	2405	2425	2447				
35	1791	1810	1832	1855	1879	1903	1926	1937	1947	1954	1961	1965	1968	1969	1969				
40	1131	1181	1235	1289	1341	1390	1432	1436	1431	1418	1396	1365	1327	1279	1224				
45	568	608	650	693	735	774	808	813	811	802	788	766	739	705	664				
50	253	274	297	319	340	360	377	378	375	368	358	344	326	305	280				
55	153	161	168	176	184	190	196	196	194	192	187	182	175	166	157				
60	114	114	115	116	116	117	118	118	119	119	120	120	120	121	121				
65	84.8	84.1	83.6	83.1	82.7	82.5	82.5	83.0	83.7	84.7	85.8	87.1	88.7	90.4	92.4				
70	53.6	53.2	52.9	52.7	52.5	52.5	52.6	53.1	53.7	54.4	55.3	56.3	57.5	58.8	60.3				
75	30.0	29.8	29.7	29.6	29.6	29.7	29.8	30.0	30.3	30.7	31.1	31.6	32.2	32.8	33.6				
80	15.7	15.7	15.7	15.7	15.7	15.8	15.9	16.1	16.2	16.4	16.7	17.0	17.3	17.6	18.0				
85	5.52	5.79	6.21	6.75	7.39	8.12	8.91	9.49	10.1	10.8	11.5	12.2	13.0	13.9	14.8				
90	12.2	18.1	24.8	31.9	39.3	46.5	53.4	55.8	57.6	58.7	59.1	58.9	58.1	56.6	54.4				
95	33.6	43.4	54.5	66.5	78.8	91.2	103	108	113	117	119	121	122	122	122				
100	62.6	73.6	86.1	99.7	114	128	142	149	154	159	163	166	169	170	171				
105	99.0	112	127	143	159	176	192	199	204	209	212	214	216	215	214				
110	138	154	171	190	209	227	246	253	259	264	267	269	269	267	264				
115	180	197	217	238	260	281	302	310	317	322	326	327	327	325	321				
120	219	239	260	283	306	330	352	361	369	375	380	382	383	381	378				
125	254	273	295	318	341	365	388	399	409	417	424	429	432	434	435				
130	286	304	325	347	370	393	416	428	440	450	459	467	474	480	484				
135	317	335	354	375	397	419	441	453	465	476	487	496	504	512	518				
140	344	358	375	393	412	432	451	464	476	488	499	510	521	531	540				
145	366	377	390	405	420	437	453	464	476	487	498	509	520	531	542				
150	388	396	406	417	429	441	454	463	472	481	490	499	508	517	526				
155	407	413	420	428	436	444	453	460	466	473	479	486	493	500	507				
160	425	429	434	439	444	450	456	460	464	468	472	476	480	484	488				
165	438	440	442	445	448	451	454	457	459	462	464	467	469	472	475				
170	447	448	449	450	451	452	453	454	455	456	457	459	460	461	462				
175	452	452	452	452	453	453	453	453	453	454	454	454	454	455	455				
180	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449				

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: