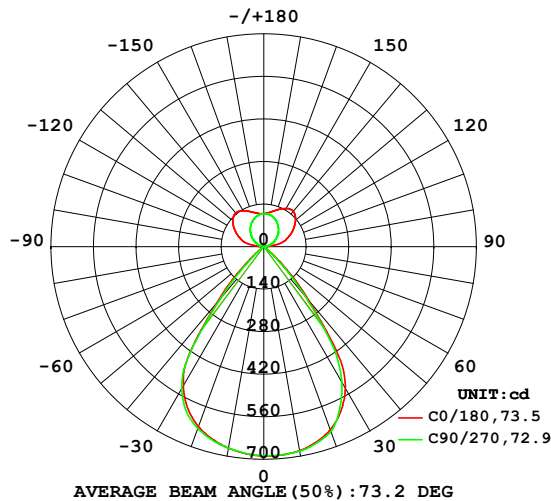


LUMINAIRE PHOTOMETRIC TEST REPORT

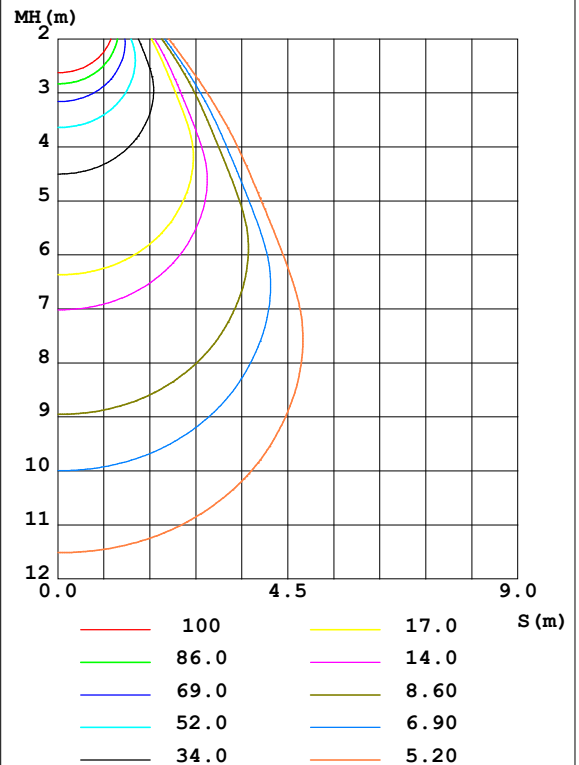
Test:U:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.79 lm/W			
MODEL		Imax(cd)	689.3	S/MH(C0/180)	1.06
NOMINAL POWER(W)	12W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1400.5	η UP,DN(C0-180)	17.3,33.5
NOMINAL FLUX(lm)	1400.47	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	16.2,33.1
LAMPS INSIDE	1	η up(%)	33.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	66.5	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:

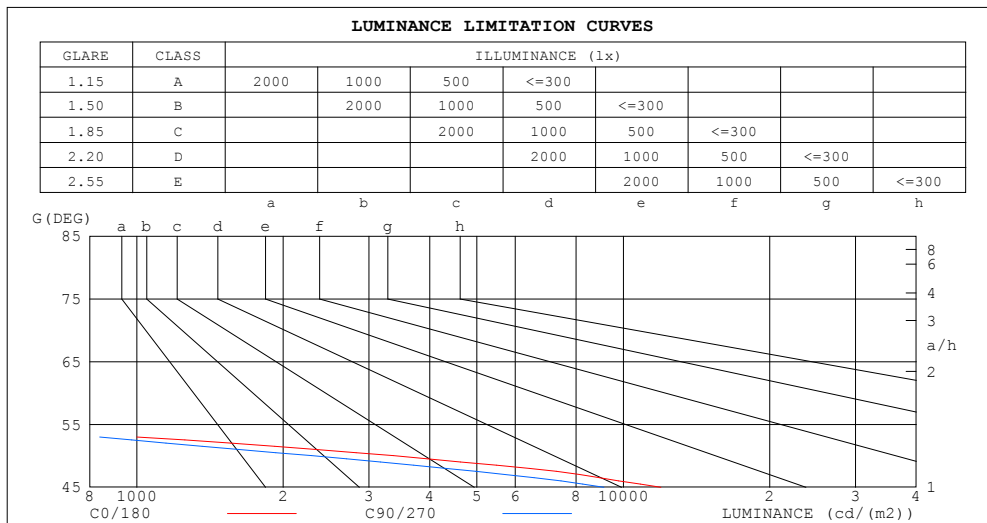
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	681.3	682.9	683.0	679.3	672.7	670.6	673.0	673.3	0- 10	65.14	65.14	4.65,4.65
20	640.6	646.0	647.2	644.0	629.9	628.5	636.5	631.3	10- 20	186.6	251.8	18,18
30	537.2	548.4	514.2	551.8	529.9	540.6	540.1	534.7	20- 30	273.8	525.5	37.5,37.5
40	229.7	340.5	207.2	364.3	237.1	363.9	218.7	335.8	30- 40	265.2	790.7	56.5,56.5
50	28.15	66.96	19.11	87.49	28.09	91.12	15.52	58.75	40- 50	121.2	911.9	65.1,65.1
60	1.446	5.068	2.537	9.703	1.433	7.174	1.564	2.669	50- 60	16.60	928.5	66.3,66.3
70	0.7681	1.276	1.427	1.256	0.7598	0.8916	1.046	0.8698	60- 70	1.705	930.2	66.4,66.4
80	0.3103	0.6050	0.6909	0.6462	0.3000	0.5378	0.6558	0.5088	70- 80	0.8215	931.0	66.5,66.5
90	2.329	1.796	0	6.022	2.015	2.823	0.0000	0.2591	80- 90	0.4939	931.5	66.5,66.5
100	41.83	40.62	10.19	44.95	46.71	40.48	6.047	35.23	90-100	17.46	949.0	67.8,67.8
110	83.96	67.03	26.60	70.26	83.94	64.53	20.93	60.62	100-110	49.89	998.9	71.3,71.3
120	112.0	92.81	43.41	93.37	110.8	87.04	36.92	85.27	110-120	70.60	1069	76.4,76.4
130	136.8	112.4	60.10	108.9	133.4	102.1	53.41	103.9	120-130	82.66	1152	82.3,82.3
140	151.8	121.1	75.91	114.6	144.7	107.9	69.62	112.6	130-140	82.80	1235	88.2,88.2
150	145.5	121.5	89.79	114.3	137.2	108.4	84.82	114.1	140-150	71.19	1306	93.3,93.3
160	129.2	117.8	100.6	111.9	122.3	107.6	97.02	112.2	150-160	52.39	1359	97,97
170	114.9	113.0	107.4	109.8	111.6	107.7	105.6	109.9	160-170	31.48	1390	99.3,99.3
180	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	170-180	10.45	1400	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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	129	390
80	137	306
75	158	303
70	173	321
65	189	345
60	223	390
55	390	514
50	3369	2287
45	11956	9123

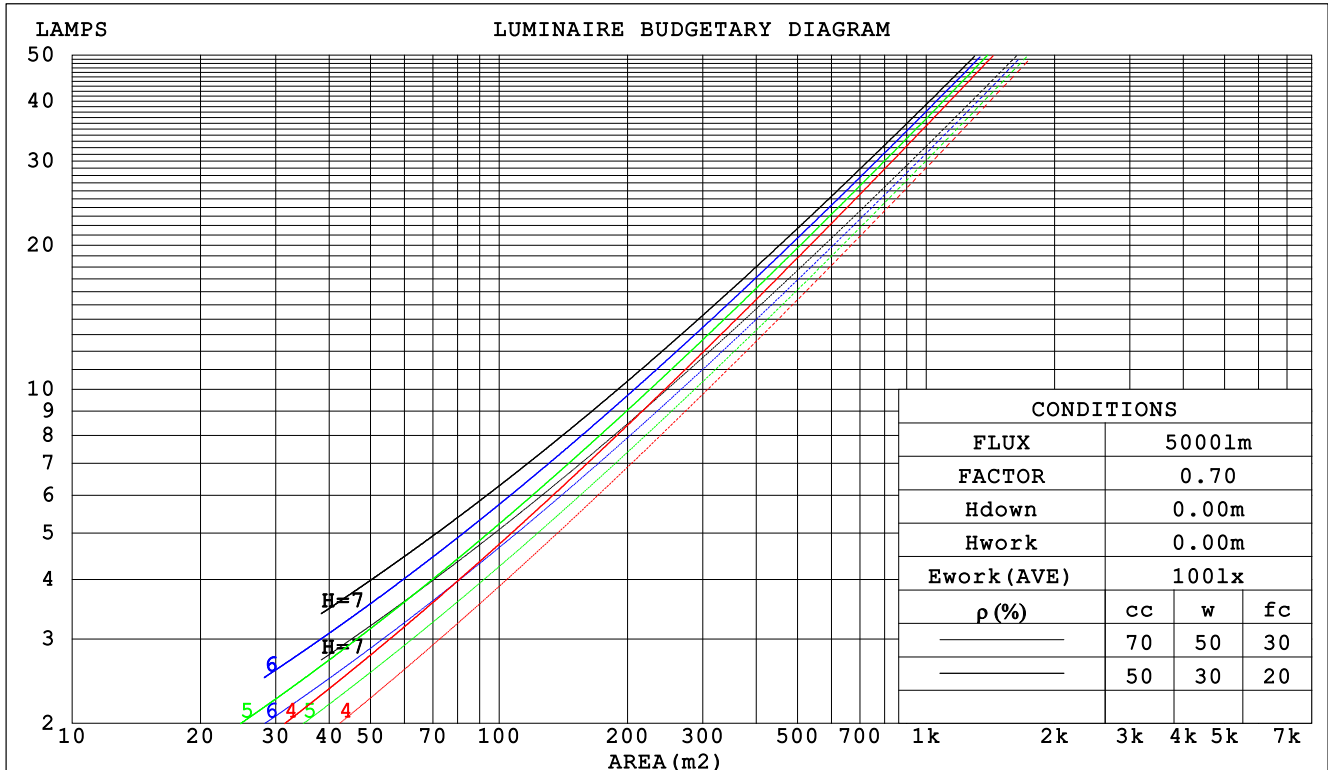
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.81	.81	.81	.71	.71	.71	.67
1.0	1.01	.98	.95	.95	.93	.90	.85	.83	.82	.76	.75	.73	.67	.66	.66	.61
2.0	.92	.87	.83	.87	.83	.79	.78	.75	.72	.70	.68	.66	.63	.61	.60	.56
3.0	.83	.77	.73	.79	.74	.70	.72	.68	.65	.65	.62	.60	.59	.56	.55	.51
4.0	.76	.70	.65	.73	.67	.62	.66	.62	.58	.60	.57	.54	.55	.52	.50	.47
5.0	.70	.63	.58	.67	.61	.56	.61	.56	.53	.56	.52	.49	.51	.48	.46	.43
6.0	.64	.57	.52	.61	.55	.51	.56	.51	.48	.52	.48	.45	.47	.44	.42	.40
7.0	.59	.52	.47	.57	.50	.46	.52	.47	.43	.48	.44	.41	.44	.41	.39	.36
8.0	.54	.48	.43	.52	.46	.42	.49	.43	.40	.45	.41	.38	.41	.38	.36	.34
9.0	.50	.44	.39	.49	.43	.38	.45	.40	.37	.42	.38	.35	.39	.35	.33	.31
10.0	.47	.41	.36	.45	.39	.35	.42	.37	.34	.39	.35	.32	.36	.33	.31	.29



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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm					
NAME: 1FT			TYPE:400K 2.8		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:0.29*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	.214	.122	.039	.197	.113	.036	.166	.095	.030	.137	.079	.025	.110	.064	.021		
2.0	.204	.112	.034	.188	.104	.032	.160	.089	.028	.134	.075	.023	.109	.062	.019		
3.0	.192	.102	.031	.179	.096	.029	.153	.083	.025	.129	.071	.022	.107	.059	.018		
4.0	.182	.095	.028	.170	.089	.026	.146	.077	.023	.124	.067	.020	.104	.056	.017		
5.0	.172	.088	.025	.161	.083	.024	.139	.072	.021	.119	.063	.019	.100	.054	.016		
6.0	.163	.082	.023	.153	.077	.022	.133	.068	.020	.114	.059	.017	.097	.051	.015		
7.0	.155	.076	.022	.145	.072	.021	.127	.064	.018	.110	.056	.016	.093	.049	.014		
8.0	.147	.072	.020	.138	.068	.019	.121	.060	.017	.105	.053	.015	.090	.046	.013		
9.0	.140	.068	.019	.131	.064	.018	.116	.057	.016	.101	.051	.014	.087	.044	.013		
10.0	.133	.064	.018	.125	.061	.017	.111	.054	.015	.097	.048	.014	.084	.042	.012		

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	.446	.446	.446	.381	.381	.381	.260	.260	.260	.149	.149	.149	.048	.048	.048	
1.0	.431	.414	.399	.369	.355	.344	.252	.245	.238	.145	.142	.138	.046	.046	.045	
2.0	.419	.391	.368	.359	.337	.318	.246	.233	.222	.142	.136	.130	.046	.044	.042	
3.0	.410	.374	.346	.351	.323	.300	.241	.224	.210	.139	.131	.124	.045	.043	.041	
4.0	.402	.361	.330	.345	.312	.287	.237	.217	.202	.137	.127	.119	.044	.041	.039	
5.0	.395	.351	.318	.339	.303	.277	.233	.212	.195	.135	.124	.116	.044	.041	.038	
6.0	.388	.342	.310	.334	.297	.270	.230	.208	.191	.134	.122	.113	.043	.040	.037	
7.0	.383	.336	.303	.329	.291	.264	.227	.204	.187	.132	.120	.111	.043	.039	.037	
8.0	.377	.330	.298	.325	.287	.260	.225	.201	.184	.131	.119	.110	.042	.039	.036	
9.0	.372	.326	.294	.321	.283	.257	.222	.199	.182	.130	.117	.109	.042	.039	.036	
10.0	.368	.322	.291	.317	.279	.254	.220	.197	.180	.128	.116	.108	.042	.038	.036	

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm										
NAME: 1FT					TYPE:400K 2.8			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:0.29*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	16.9	17.7	17.5	18.4	19.1	16.1	17.0	16.8	17.6	18.4
3H	16.6	17.4	17.3	18.0	18.8	15.8	16.6	16.5	17.3	18.1
4H	16.4	17.2	17.2	17.9	18.7	15.7	16.4	16.4	17.1	17.9
6H	16.3	16.9	17.0	17.7	18.5	15.5	16.2	16.3	16.9	17.8
8H	16.2	16.8	17.0	17.6	18.5	15.5	16.1	16.2	16.8	17.7
12H	16.1	16.7	16.9	17.5	18.4	15.4	16.0	16.2	16.7	17.6
4H 2H	16.4	17.2	17.2	17.9	18.7	15.7	16.4	16.4	17.1	18.0
3H	16.1	16.7	16.9	17.5	18.4	15.4	16.0	16.2	16.8	17.6
4H	16.0	16.5	16.8	17.3	18.2	15.2	15.8	16.0	16.6	17.5
6H	15.8	16.3	16.6	17.1	18.1	15.1	15.6	15.9	16.4	17.3
8H	15.7	16.2	16.6	17.0	18.0	15.0	15.4	15.8	16.2	17.2
12H	15.7	16.0	16.5	16.9	17.9	14.9	15.3	15.8	16.1	17.2
8H 4H	15.7	16.2	16.6	17.0	18.0	15.0	15.4	15.8	16.2	17.2
6H	15.6	15.9	16.4	16.8	17.8	14.8	15.2	15.7	16.0	17.1
8H	15.5	15.8	16.4	16.6	17.7	14.8	15.1	15.6	15.9	17.0
12H	15.4	15.7	16.3	16.5	17.6	14.7	14.9	15.6	15.8	16.9
12H 4H	15.7	16.0	16.5	16.9	17.9	14.9	15.3	15.8	16.1	17.2
6H	15.5	15.8	16.4	16.6	17.7	14.8	15.1	15.6	15.9	17.0
8H	15.4	15.7	16.3	16.5	17.6	14.7	14.9	15.6	15.8	16.9
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -19.7					+ 2.9 / -17.5				
1.5H	+ 4.0 / -12.9					+ 4.1 / -13.9				
2.0H	+ 7.1 / -16.6					+ 6.7 / -12.0				

CIE Pub.117 Corrected 1400 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

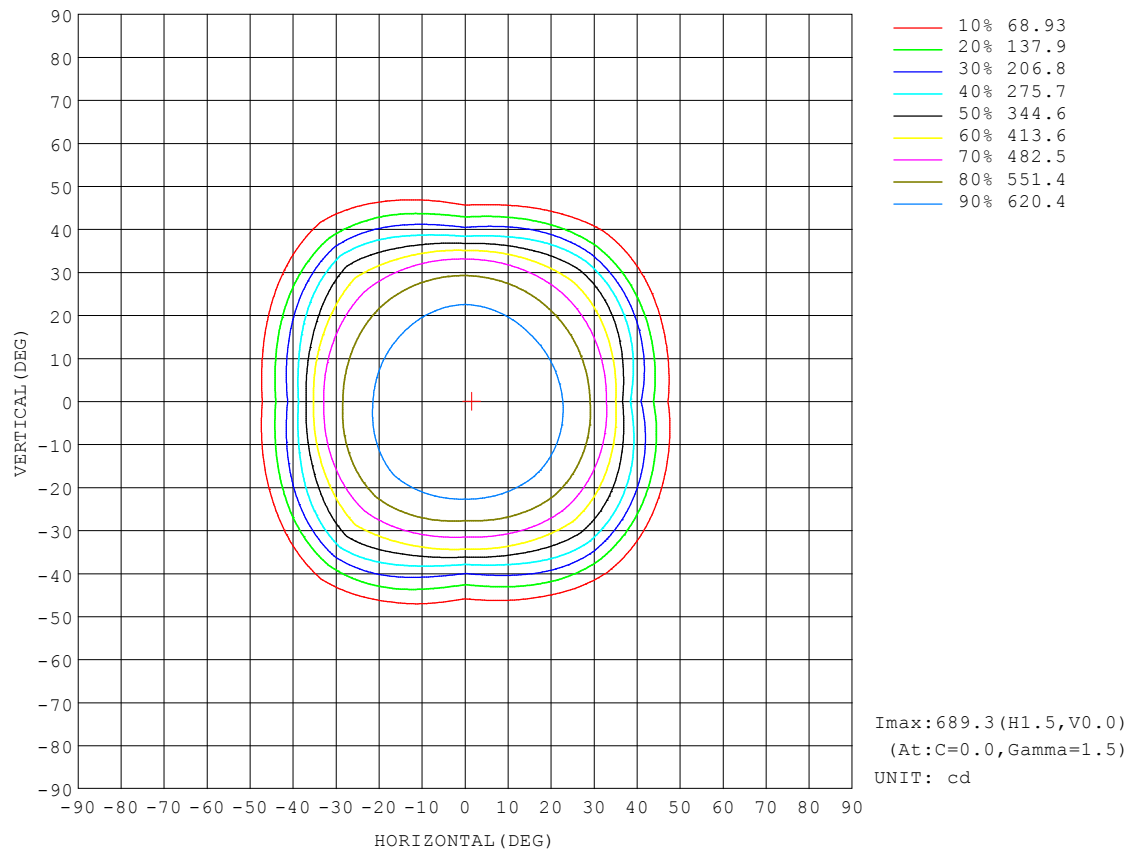
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	56	51	63	55	51	60	53	49	44
0.80	73	65	59	71	63	58	67	61	57	50
1.00	79	71	66	76	69	64	71	66	62	54
1.25	85	77	71	81	74	70	75	70	66	57
1.50	88	81	76	85	78	74	78	73	70	59
2.00	93	87	82	89	83	79	81	77	74	61
2.50	96	90	85	92	86	82	83	79	77	62
3.00	98	93	89	94	89	85	85	82	79	63
4.00	101	97	93	96	93	89	87	84	82	64
5.00	103	100	96	98	95	92	88	86	84	65
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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

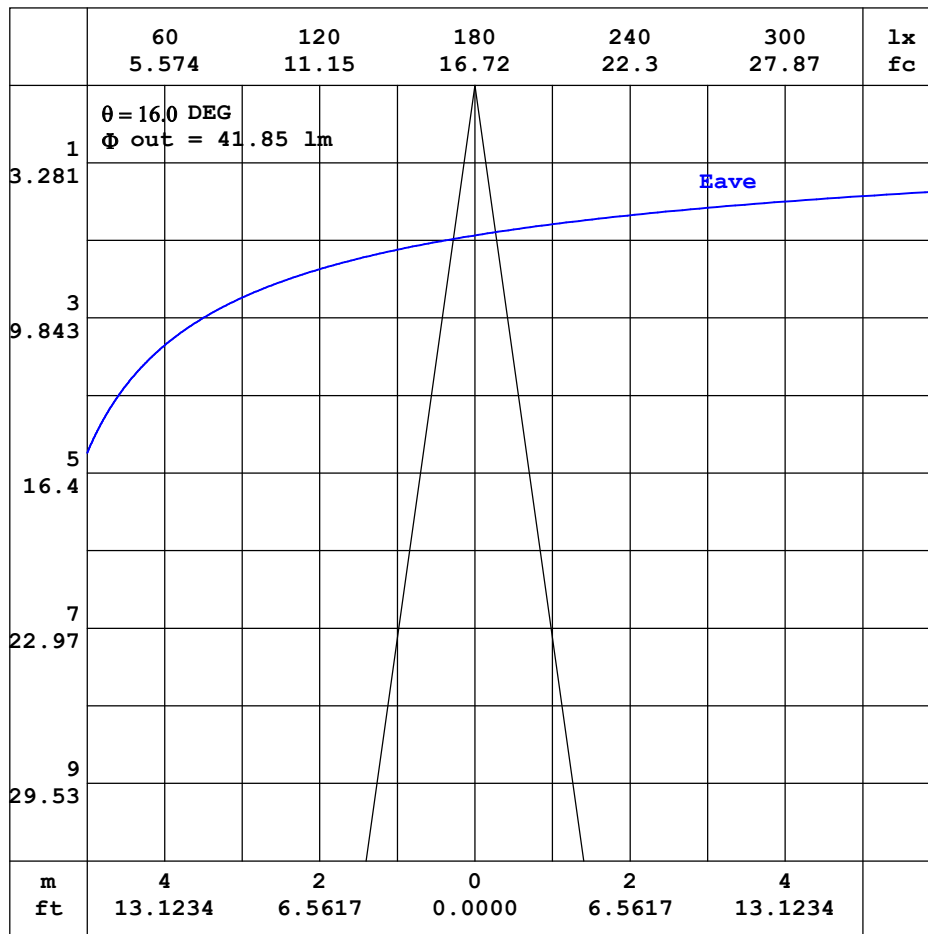


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



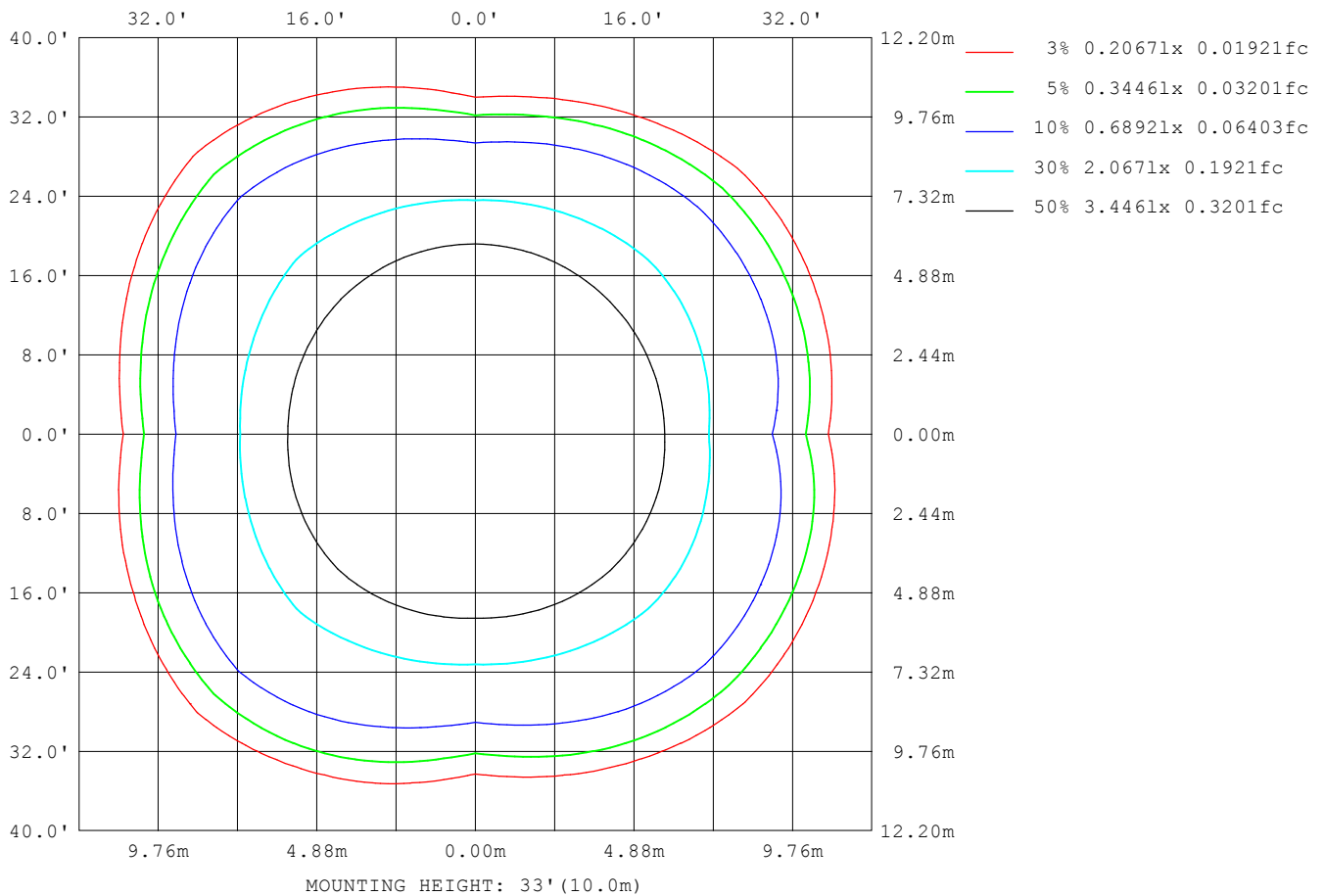
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

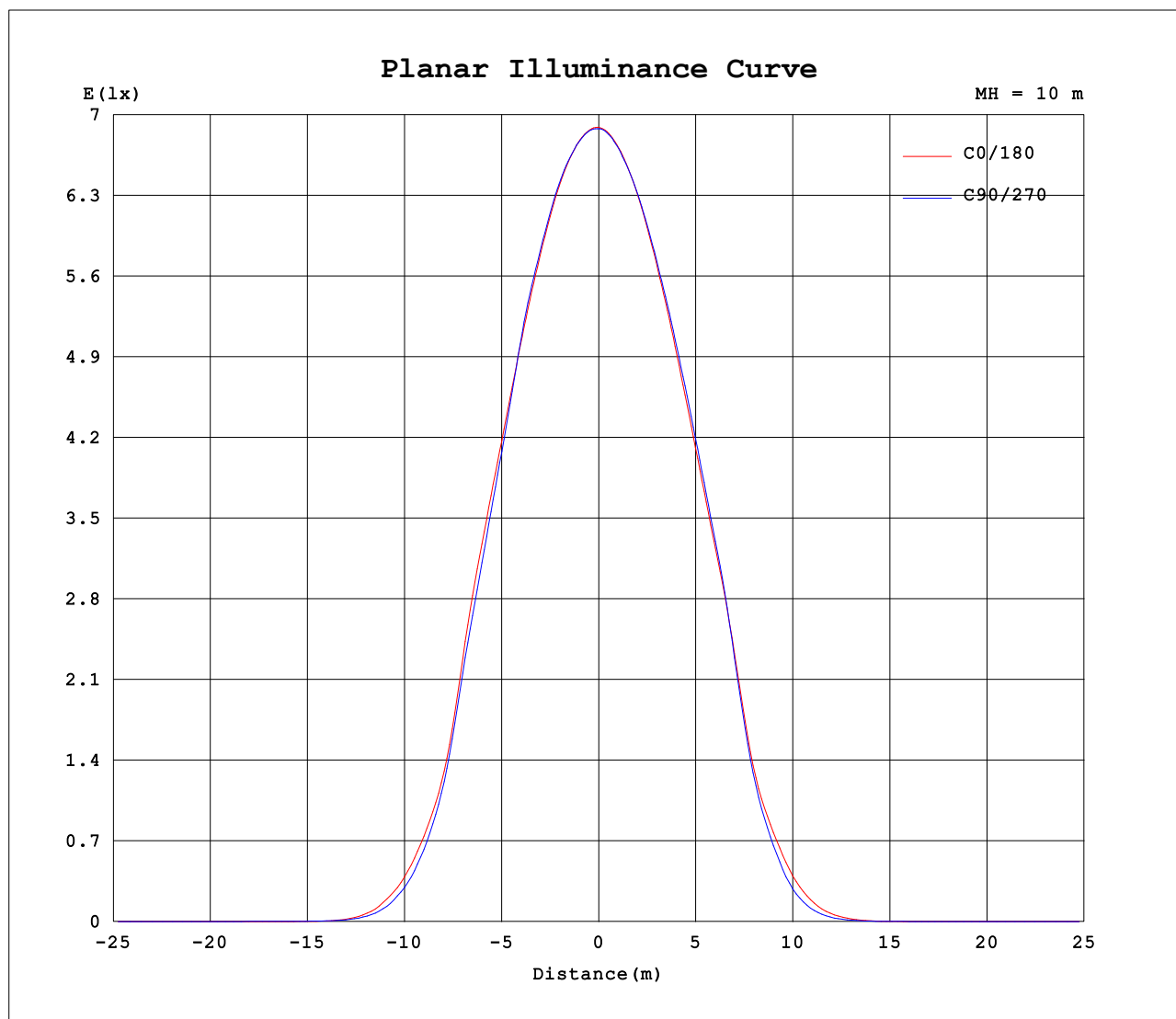
AvgL	cd/m2
L_0~180 (65) av	187
L_0~180 (75) av	155
L_0~180 (85) av	125
L_90~270 (65) av	287
L_90~270 (75) av	276
L_90~270 (85) av	397
L_45 (65) av	255
L_45 (75) av	241
L_45 (85) av	337

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*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	689	689	689	689	689	689	689	689	688	688	688	688	688	688	688	688	688	688	688
5	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	687
10	681	682	682	682	682	682	683	683	683	683	683	683	683	683	683	683	683	683	683
15	666	667	668	668	669	669	669	670	670	670	670	670	670	670	670	670	670	670	670
20	641	641	642	643	644	644	645	645	646	646	646	647	647	647	647	647	647	647	647
25	599	601	603	605	606	607	607	608	608	607	606	604	602	599	597	595	593	592	590
30	537	541	544	546	548	549	550	550	549	548	545	541	536	532	528	523	520	517	514
35	415	424	432	439	444	448	451	453	453	453	447	440	432	424	416	409	402	397	392
40	230	254	275	294	309	321	331	337	340	341	328	313	297	280	262	246	231	217	207
45	110	129	146	160	172	182	189	194	196	196	185	172	158	143	129	115	102	91.8	83.9
50	28.2	36.7	44.3	50.7	56.1	60.4	63.7	65.8	66.9	67.0	62.2	56.7	50.6	44.3	38.1	32.2	26.8	22.4	19.1
55	2.91	6.70	10.0	13.0	15.4	17.5	19.0	20.2	20.9	21.2	19.5	17.5	15.3	13.0	10.7	8.52	6.57	4.97	3.83
60	1.45	2.15	2.78	3.34	3.82	4.22	4.54	4.80	4.97	5.07	4.80	4.48	4.13	3.76	3.41	3.09	2.82	2.63	2.54
65	1.04	1.14	1.23	1.32	1.40	1.47	1.54	1.60	1.66	1.71	1.75	1.79	1.82	1.84	1.86	1.88	1.89	1.89	1.90
70	0.77	0.84	0.91	0.98	1.04	1.09	1.15	1.19	1.24	1.28	1.31	1.34	1.36	1.39	1.40	1.41	1.42	1.43	1.43
75	0.53	0.59	0.64	0.69	0.73	0.77	0.81	0.85	0.88	0.91	0.93	0.96	0.97	0.99	1.00	1.01	1.02	1.02	1.02
80	0.31	0.35	0.39	0.43	0.47	0.50	0.53	0.56	0.58	0.60	0.62	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.69
85	0.15	0.18	0.21	0.24	0.27	0.29	0.32	0.34	0.36	0.38	0.39	0.40	0.41	0.42	0.43	0.43	0.44	0.44	0.44
90	2.33	2.33	2.32	2.29	2.25	2.19	2.11	2.02	1.92	1.80	1.49	1.19	0.89	0.61	0.37	0.18	0.06	0.03	0.00
95	15.3	16.7	17.8	18.7	19.3	19.7	19.9	19.8	19.5	18.9	16.9	14.8	12.7	10.5	8.40	6.49	4.85	3.54	2.66
100	41.8	43.1	44.1	44.7	44.9	44.8	44.3	43.4	42.2	40.6	37.0	33.1	29.1	25.1	21.3	17.7	14.6	12.1	10.2
105	69.6	68.8	67.8	66.5	65.0	63.2	61.2	58.9	56.4	53.7	49.0	44.2	39.4	34.7	30.4	26.4	23.0	20.2	18.2
110	84.0	83.2	82.2	80.9	79.3	77.5	75.3	72.8	70.1	67.0	61.7	56.3	50.9	45.6	40.6	36.0	32.1	28.9	26.6
115	98.1	97.6	96.7	95.5	93.9	91.9	89.6	87.0	84.0	80.7	74.8	68.7	62.6	56.6	51.0	45.9	41.4	37.7	35.0
120	112	111	110	109	107	105	103	99.7	96.4	92.8	86.4	79.9	73.3	66.9	60.8	55.2	50.4	46.4	43.4
125	125	124	123	121	119	117	114	111	108	104	97.2	90.3	83.4	76.6	70.2	64.4	59.2	55.0	51.8
130	137	135	134	132	129	127	124	120	117	112	106	98.7	91.7	84.9	78.5	72.7	67.5	63.3	60.1
135	146	144	142	139	136	133	130	126	122	118	111	105	98.0	91.6	85.5	80.0	75.2	71.2	68.2
140	152	149	146	143	140	137	133	129	125	121	115	109	103	96.9	91.5	86.5	82.2	78.6	75.9
145	151	149	146	143	140	136	133	129	126	122	117	111	106	101	96.5	92.2	88.5	85.5	83.2
150	145	143	141	138	136	133	130	128	125	122	117	113	109	105	101	97.3	94.2	91.7	89.8
155	137	136	134	132	131	129	127	125	122	120	117	114	110	107	104	102	99.2	97.2	95.7
160	129	128	127	126	125	124	122	121	119	118	116	113	111	109	107	105	103	102	101
165	121	121	120	120	119	119	118	117	116	115	114	113	111	110	109	107	106	105	105
170	115	115	115	115	115	114	114	114	113	113	112	112	111	110	110	109	108	108	107
175	111	111	111	111	111	111	111	111	111	111	111	111	110	110	110	110	109	109	109
180	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*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	688	688	688	688	688	688	688	688	688	688	688	688	688	689	689	689	689	689	689
5	687	687	687	687	687	687	686	686	686	686	686	685	685	685	685	684	684	684	684
10	683	682	682	682	681	681	680	680	679	679	678	677	676	676	675	674	673	673	672
15	670	669	669	669	668	668	667	667	666	665	664	663	661	660	659	658	657	656	655
20	647	647	647	647	646	646	645	645	644	643	641	639	638	636	634	633	631	630	629
25	592	594	597	599	602	604	606	608	610	609	607	605	602	600	597	595	592	590	590
30	517	521	525	530	535	539	544	548	552	551	549	547	544	541	538	535	532	530	530
35	398	406	414	423	432	442	450	458	465	463	459	454	449	443	437	432	427	423	427
40	221	237	256	275	295	315	334	350	364	354	342	327	311	294	278	262	249	237	248
45	97.1	113	130	149	168	186	204	219	232	223	211	197	182	166	151	136	123	112	123
50	25.4	32.8	41.0	49.7	58.4	66.8	74.7	81.7	87.5	82.6	76.5	69.5	62.0	54.2	46.6	39.5	33.2	28.1	33.8
55	6.66	9.92	13.5	17.2	20.8	24.4	27.6	30.4	32.7	30.2	27.1	23.7	20.0	16.2	12.5	9.01	5.94	3.41	5.83
60	3.31	4.18	5.09	6.02	6.93	7.79	8.56	9.21	9.70	9.01	8.16	7.21	6.18	5.13	4.09	3.10	2.20	1.43	1.84
65	1.90	1.90	1.90	1.89	1.87	1.85	1.82	1.79	1.75	1.67	1.59	1.50	1.41	1.32	1.24	1.15	1.08	1.01	0.99
70	1.42	1.42	1.41	1.39	1.37	1.35	1.32	1.29	1.26	1.20	1.14	1.08	1.02	0.96	0.90	0.85	0.80	0.76	0.75
75	1.02	1.02	1.02	1.01	1.00	0.99	0.97	0.95	0.93	0.88	0.83	0.78	0.73	0.68	0.63	0.58	0.54	0.51	0.52
80	0.70	0.70	0.70	0.70	0.69	0.69	0.68	0.66	0.65	0.61	0.56	0.52	0.48	0.43	0.39	0.36	0.33	0.30	0.31
85	0.45	0.45	0.46	0.46	0.46	0.45	0.45	0.44	0.43	0.40	0.36	0.32	0.29	0.25	0.22	0.19	0.16	0.14	0.15
90	0.61	1.29	2.02	2.77	3.52	4.25	4.92	5.52	6.02	5.80	5.48	5.07	4.60	4.08	3.55	3.01	2.49	2.01	2.02
95	4.81	7.37	10.2	13.3	16.4	19.5	22.5	25.3	27.8	27.4	26.7	25.7	24.4	23.0	21.5	20.0	18.6	17.2	17.7
100	12.6	15.7	19.4	23.4	27.7	32.2	36.6	40.9	44.9	46.3	47.3	48.0	48.3	48.4	48.2	47.9	47.4	46.7	46.8
105	20.7	24.0	27.9	32.3	37.1	42.2	47.3	52.4	57.3	60.2	62.8	65.0	66.9	68.4	69.6	70.4	70.8	70.9	70.2
110	29.4	33.0	37.4	42.4	47.8	53.4	59.1	64.8	70.3	73.3	76.0	78.3	80.2	81.8	82.9	83.7	84.0	83.9	83.3
115	38.0	42.0	46.7	52.2	58.0	64.2	70.4	76.7	82.6	85.9	88.8	91.3	93.4	95.0	96.2	97.0	97.4	97.3	96.6
120	46.5	50.6	55.5	61.2	67.3	73.8	80.4	87.0	93.4	97.1	100	103	106	108	109	110	111	111	110
125	54.8	58.9	63.8	69.5	75.8	82.4	89.1	95.9	102	107	110	114	116	119	121	122	123	123	122
130	62.8	66.6	71.3	76.8	82.8	89.2	95.8	102	109	113	118	121	125	128	130	132	133	133	132
135	70.5	73.8	78.0	83.0	88.4	94.3	100	107	113	118	122	126	130	134	136	139	140	141	139
140	77.8	80.5	84.1	88.3	93.0	98.1	104	109	115	119	124	128	132	136	139	142	144	145	143
145	84.6	86.7	89.6	93.0	96.9	101	106	110	115	119	124	128	131	135	138	140	142	143	141
150	90.8	92.4	94.6	97.2	100	103	107	111	114	118	121	125	128	130	133	135	136	137	135
155	96.3	97.5	99.0	101	103	105	108	111	113	116	118	121	123	125	127	128	129	130	128
160	101	102	103	104	105	107	108	110	112	114	115	117	118	119	120	121	122	122	121
165	105	105	106	106	107	108	109	110	111	112	112	113	114	115	115	116	116	116	116
170	107	108	108	108	108	109	109	109	110	110	110	111	111	111	111	111	112	112	111
175	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
180	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm		
NAME: 1FT	TYPE:400K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*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	689	689	689	689	689	689	689	688	688	688	688	688	688	688	688	688	688	688	688
5	683	683	683	683	683	682	682	682	682	682	682	682	682	682	683	683	683	683	683
10	672	672	671	671	671	671	671	671	671	671	671	672	672	672	672	673	673	673	673
15	654	654	654	653	653	653	653	653	654	654	655	656	656	657	657	658	659	658	658
20	629	628	628	628	628	628	628	629	629	630	631	632	633	634	635	636	636	636	635
25	589	589	589	590	590	591	591	592	593	594	596	597	598	599	600	600	601	600	599
30	531	532	533	535	536	538	539	541	541	541	541	541	541	541	541	541	540	540	539
35	431	437	442	448	453	458	462	466	462	457	451	445	438	432	426	421	416	419	422
40	262	277	293	310	326	341	354	364	351	336	319	301	283	264	247	232	219	228	239
45	135	149	164	179	194	207	219	228	215	200	184	165	147	128	111	94.7	80.8	85.6	92.8
50	40.7	48.4	56.5	64.7	72.6	79.9	86.2	91.1	84.9	77.2	68.6	59.3	49.8	40.2	31.1	22.8	15.5	18.0	21.6
55	8.80	12.2	15.8	19.4	23.0	26.4	29.4	31.8	29.5	26.7	23.4	19.9	16.1	12.4	8.75	5.37	2.37	3.00	4.07
60	2.39	3.04	3.76	4.52	5.27	5.99	6.63	7.17	6.78	6.27	5.67	5.01	4.30	3.58	2.87	2.19	1.56	1.52	1.55
65	0.99	0.98	0.99	1.00	1.02	1.04	1.07	1.09	1.12	1.14	1.16	1.18	1.20	1.22	1.23	1.25	1.25	1.24	1.22
70	0.76	0.76	0.78	0.79	0.82	0.84	0.86	0.89	0.91	0.94	0.96	0.98	1.00	1.01	1.03	1.04	1.05	1.03	1.02
75	0.53	0.54	0.57	0.59	0.62	0.65	0.68	0.71	0.74	0.76	0.77	0.79	0.81	0.82	0.83	0.83	0.84	0.83	0.82
80	0.33	0.35	0.38	0.41	0.44	0.47	0.50	0.54	0.56	0.58	0.60	0.61	0.63	0.64	0.65	0.65	0.66	0.65	0.64
85	0.17	0.19	0.22	0.25	0.28	0.31	0.35	0.38	0.40	0.41	0.42	0.44	0.44	0.45	0.46	0.46	0.46	0.45	0.45
90	2.08	2.17	2.28	2.41	2.54	2.66	2.76	2.82	2.57	2.27	1.95	1.62	1.27	0.93	0.60	0.28	0.00	0.02	0.04
95	18.4	19.1	19.8	20.5	21.1	21.6	21.8	21.8	19.6	17.2	14.6	11.9	9.29	6.74	4.38	2.28	0.52	1.17	2.18
100	46.7	46.5	46.1	45.5	44.7	43.6	42.2	40.5	36.4	32.0	27.6	23.2	19.0	15.0	11.4	8.41	6.05	7.72	10.1
105	69.1	67.6	65.8	63.7	61.2	58.5	55.4	52.1	47.1	41.9	36.7	31.7	26.9	22.6	18.7	15.5	13.1	14.9	17.6
110	82.2	80.7	78.9	76.7	74.1	71.3	68.0	64.5	58.9	53.2	47.4	41.8	36.4	31.5	27.2	23.6	20.9	23.1	26.1
115	95.4	93.9	91.9	89.6	86.8	83.7	80.3	76.5	70.4	64.1	57.7	51.6	45.8	40.4	35.7	31.8	28.9	31.4	34.8
120	109	107	104	102	98.6	95.1	91.3	87.0	80.5	73.8	67.1	60.6	54.5	48.8	43.9	39.9	36.9	39.6	43.4
125	120	118	115	112	109	105	100	95.9	89.1	82.2	75.4	68.7	62.5	56.8	51.9	47.9	45.0	47.9	51.8
130	130	127	124	120	116	112	107	102	95.4	88.7	82.1	75.7	69.7	64.4	59.8	56.1	53.4	56.3	60.2
135	137	134	130	126	121	116	111	106	99.6	93.3	87.2	81.4	76.0	71.2	67.1	63.9	61.6	64.3	67.9
140	140	137	133	128	124	118	113	108	102	96.6	91.2	86.1	81.5	77.4	74.0	71.4	69.6	71.9	75.1
145	138	135	131	127	123	118	113	109	104	99.0	94.6	90.4	86.7	83.4	80.7	78.6	77.3	79.3	82.0
150	133	131	127	124	120	116	112	108	105	101	97.6	94.4	91.6	89.2	87.2	85.7	84.8	86.4	88.6
155	127	125	122	120	117	114	111	108	105	103	100	98.0	96.0	94.2	92.9	91.9	91.3	92.5	94.2
160	120	119	117	115	114	112	110	108	106	104	103	101	99.8	98.7	97.9	97.3	97.0	97.9	99.0
165	115	114	113	112	111	110	109	107	106	106	105	104	103	103	102	102	102	102	103
170	111	111	110	110	109	109	108	108	107	107	107	106	106	106	106	106	106	106	106
175	109	109	109	109	109	108	108	108	108	108	108	108	108	108	108	108	108	108	108
180	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108

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:119.3V I:0.1030A P:12.20W PF:0.9900 Freq:60.00Hz Lamp Flux:1400.47x1 lm																	
NAME: 1FT									TYPE:400K 2.8						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:0.29*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	688	688	688	688	688	688	688	688	688	688	688	688	689	689	689				
5	683	683	683	683	683	683	684	684	684	685	685	686	686	687	687				
10	673	673	673	673	673	673	673	674	674	675	676	677	678	679	680				
15	658	658	657	657	657	657	657	657	658	659	660	661	662	663	665				
20	635	634	633	633	632	632	631	632	632	633	634	635	636	637	639				
25	598	597	596	595	594	593	593	593	593	593	594	594	595	596	597				
30	538	538	537	536	536	535	535	535	535	535	535	535	535	536	536				
35	426	430	435	439	444	448	451	450	449	447	444	440	435	429	423				
40	253	267	282	298	312	325	336	335	331	325	316	304	290	273	252				
45	102	112	123	135	146	157	166	167	166	163	159	152	144	135	123				
50	26.2	31.5	37.2	43.0	48.7	54.1	58.8	59.0	58.3	56.8	54.3	50.9	46.6	41.3	35.2				
55	5.47	7.11	8.91	10.8	12.6	14.2	15.7	15.6	15.1	14.3	13.2	11.8	10.1	8.01	5.62				
60	1.63	1.76	1.93	2.11	2.31	2.50	2.67	2.65	2.60	2.52	2.41	2.28	2.11	1.92	1.70				
65	1.20	1.18	1.16	1.13	1.11	1.08	1.06	1.05	1.04	1.03	1.03	1.03	1.03	1.03	1.03				
70	1.00	0.98	0.96	0.94	0.92	0.89	0.87	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.78				
75	0.80	0.79	0.77	0.75	0.73	0.71	0.69	0.67	0.65	0.63	0.62	0.60	0.58	0.57	0.55				
80	0.63	0.61	0.59	0.57	0.55	0.53	0.51	0.49	0.47	0.45	0.43	0.40	0.38	0.36	0.33				
85	0.44	0.43	0.41	0.40	0.38	0.37	0.35	0.33	0.31	0.29	0.27	0.25	0.22	0.20	0.17				
90	0.07	0.10	0.13	0.16	0.18	0.21	0.26	0.40	0.56	0.75	0.96	1.19	1.44	1.71	2.01				
95	3.49	5.03	6.75	8.57	10.4	12.3	14.0	14.8	15.4	15.8	16.1	16.3	16.2	16.1	15.8				
100	13.0	16.3	19.9	23.8	27.7	31.5	35.2	37.1	38.6	39.9	40.9	41.7	42.1	42.3	42.2				
105	20.8	24.7	29.0	33.6	38.4	43.2	48.1	51.1	54.0	56.7	59.3	61.7	63.9	66.0	67.9				
110	29.8	34.2	39.1	44.3	49.7	55.2	60.6	64.0	67.2	70.2	73.0	75.6	78.0	80.2	82.2				
115	39.1	44.1	49.6	55.4	61.5	67.6	73.6	77.3	80.8	84.0	87.0	89.7	92.2	94.4	96.4				
120	48.0	53.4	59.3	65.6	72.2	78.8	85.3	89.3	93.1	96.6	99.8	103	106	108	110				
125	56.7	62.4	68.6	75.2	82.1	89.0	95.8	100	104	108	111	115	118	120	123				
130	65.0	70.5	76.7	83.3	90.1	97.0	104	108	113	117	121	124	128	131	134				
135	72.4	77.6	83.4	89.6	96.1	103	109	114	119	123	127	131	135	139	143				
140	79.1	83.7	88.9	94.5	100	106	113	117	122	126	130	135	139	143	148				
145	85.3	89.2	93.6	98.4	103	109	114	118	122	126	131	135	139	143	147				
150	91.2	94.3	97.8	102	106	110	114	118	121	124	128	131	135	138	142				
155	96.2	98.5	101	104	107	110	113	116	119	121	124	127	129	132	135				
160	100	102	104	106	108	110	112	114	116	118	120	121	123	125	127				
165	104	105	106	107	108	110	111	112	113	114	115	117	118	119	120				
170	107	107	108	108	109	109	110	110	111	111	112	113	113	114	114				
175	108	108	109	109	109	109	109	109	109	110	110	110	110	110	110				
180	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108				

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: