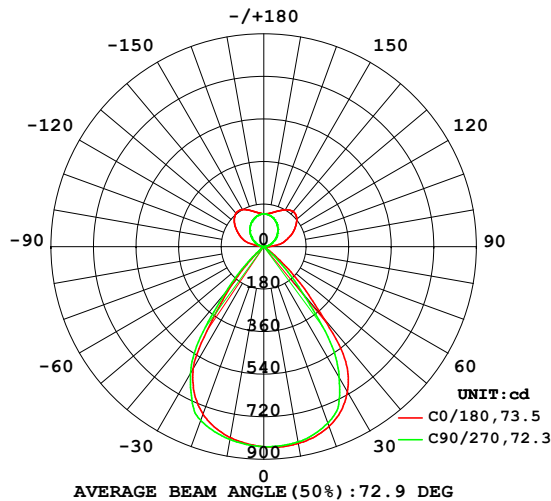


LUMINAIRE PHOTOMETRIC TEST REPORT

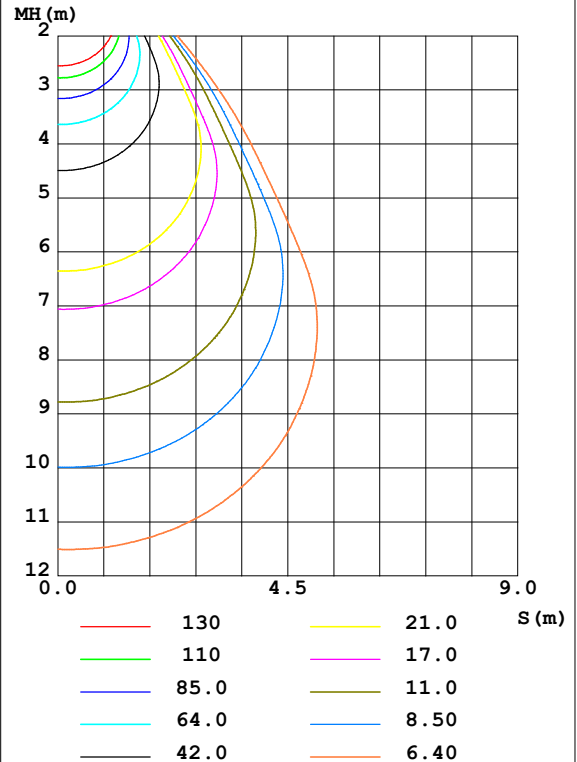
Test:U:119.3V I:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.08 lm/W			
MODEL		I _{max} (cd)	850.1	S/MH(C0/180)	1.14
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1739.2	η UP,DN(C0-180)	17.3,33.7
NOMINAL FLUX(lm)	1739.2	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	16.7,32.2
LAMPS INSIDE	1	η up(%)	34.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	66.0	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:

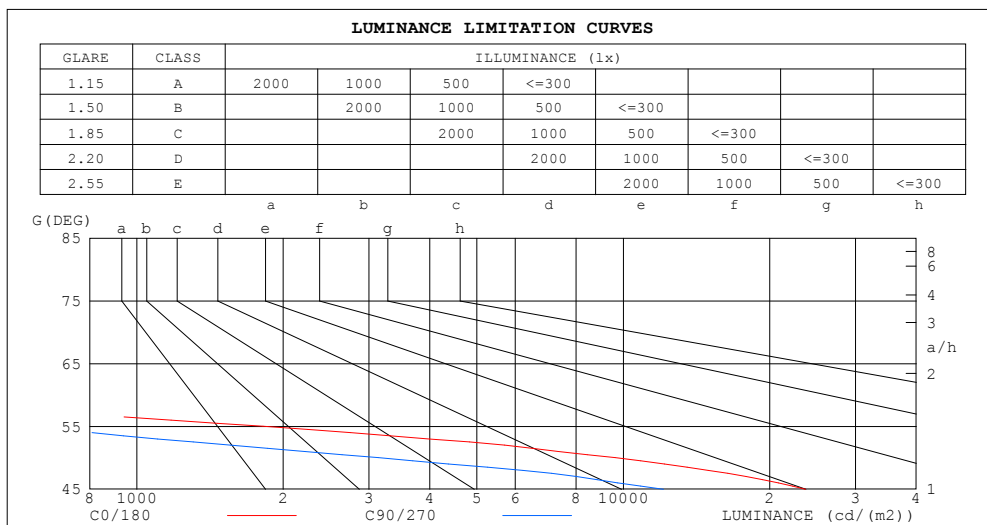
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	844.9	844.8	838.6	829.8	819.9	820.0	828.1	835.2	0- 10	80.12	80.12	4.61,4.61
20	808.7	808.4	793.9	777.5	753.7	759.1	782.0	791.9	10- 20	229.5	309.7	17.8,17.8
30	708.1	708.0	638.5	660.0	598.2	632.0	620.7	691.3	20- 30	336.2	645.9	37.1,37.1
40	392.9	484.3	258.4	403.7	209.0	368.1	249.5	454.3	30- 40	323.2	969.1	55.7,55.7
50	80.38	133.8	26.20	78.33	12.07	75.67	25.34	94.02	40- 50	150.6	1120	64.4,64.4
60	2.432	13.04	3.198	6.550	1.953	5.570	3.822	7.523	50- 60	22.21	1142	65.7,65.7
70	1.473	1.707	1.922	1.704	1.101	1.950	2.374	1.967	60- 70	2.724	1145	65.8,65.8
80	0.8700	1.063	0.9913	0.9562	0.5542	1.098	1.314	1.255	70- 80	1.457	1146	65.9,65.9
90	12.30	8.217	0.2216	0.7389	0.2807	0.7724	0.4763	7.578	80- 90	1.391	1147	66,66
100	73.22	56.67	10.48	44.93	31.96	47.90	9.877	37.53	90-100	20.62	1168	67.2,67.2
110	112.3	89.50	30.83	79.18	96.40	79.62	29.55	75.89	100-110	59.77	1228	70.6,70.6
120	151.8	119.9	52.22	111.5	130.2	110.8	49.95	115.5	110-120	89.04	1317	75.7,75.7
130	182.9	140.7	73.50	136.5	163.3	134.2	71.05	135.1	120-130	105.3	1422	81.8,81.8
140	194.4	148.3	93.82	148.4	184.1	144.5	91.65	142.1	130-140	105.7	1528	87.9,87.9
150	180.2	147.9	111.9	149.9	181.6	146.1	110.4	142.1	140-150	90.88	1619	93.1,93.1
160	159.1	144.2	126.3	146.4	163.1	143.3	125.3	139.7	150-160	66.93	1686	96.9,96.9
170	143.7	140.8	135.7	141.8	146.6	140.5	135.2	138.1	160-170	40.16	1726	99.2,99.2
180	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	170-180	13.34	1739	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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 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	567	603
80	385	439
75	344	421
70	331	432
65	341	449
60	374	492
55	1818	636
50	9619	3136
45	23702	12098

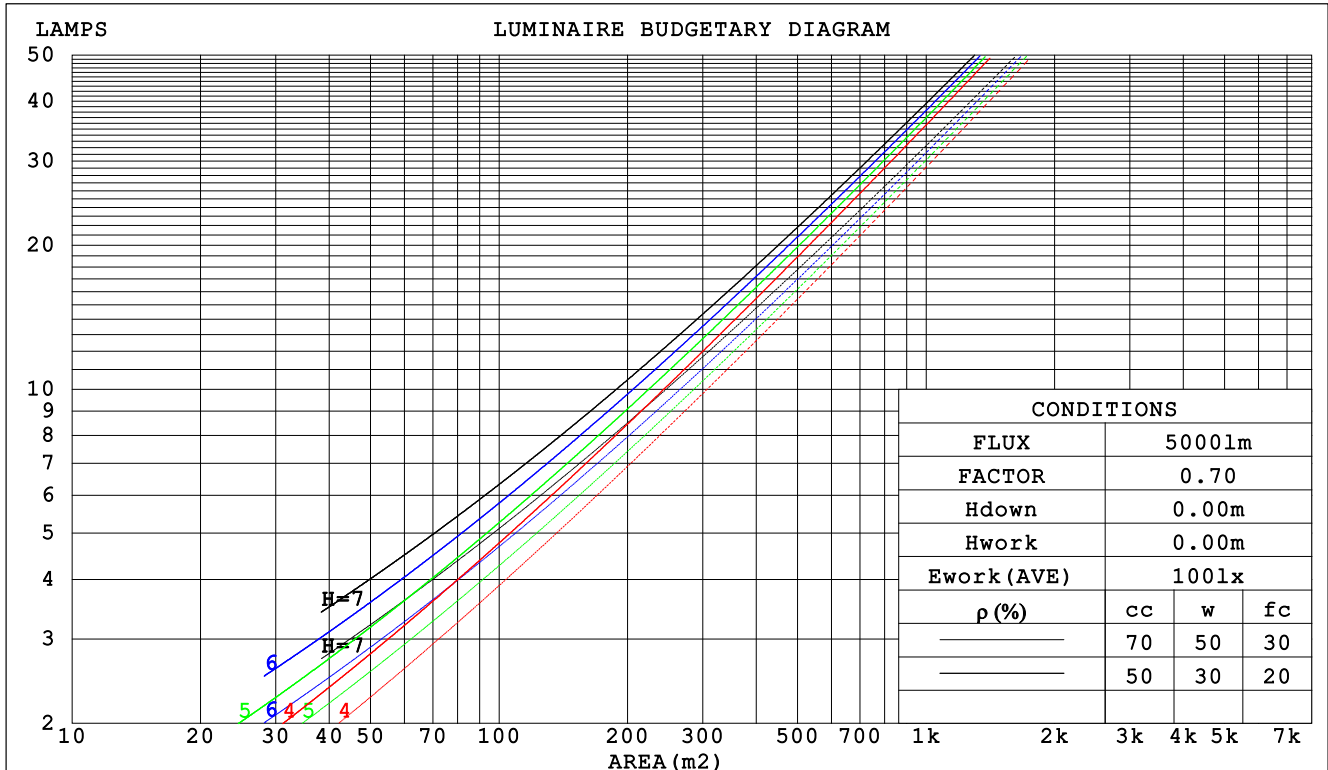
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 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	1.04	1.04	1.04	.92	.92	.92	.81	.81	.81	.71	.71	.71	.66
1.0	1.01	.98	.95	.95	.93	.90	.85	.83	.81	.75	.74	.73	.67	.66	.65	.61
2.0	.91	.87	.82	.87	.82	.79	.78	.75	.72	.70	.68	.66	.62	.61	.59	.56
3.0	.83	.77	.73	.79	.74	.70	.72	.68	.64	.65	.62	.59	.58	.56	.54	.51
4.0	.76	.69	.64	.72	.67	.62	.66	.61	.58	.60	.56	.54	.54	.52	.49	.47
5.0	.69	.63	.58	.66	.60	.56	.61	.56	.52	.55	.52	.49	.50	.48	.45	.43
6.0	.64	.57	.52	.61	.55	.50	.56	.51	.47	.51	.47	.44	.47	.44	.42	.39
7.0	.59	.52	.47	.56	.50	.46	.52	.47	.43	.48	.44	.41	.44	.41	.38	.36
8.0	.54	.47	.43	.52	.46	.42	.48	.43	.40	.44	.40	.37	.41	.38	.35	.33
9.0	.50	.44	.39	.48	.42	.38	.45	.40	.36	.42	.37	.34	.38	.35	.33	.31
10.0	.47	.40	.36	.45	.39	.35	.42	.37	.33	.39	.35	.32	.36	.33	.30	.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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm					
NAME: 1FT			TYPE:4000K 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	.216	.123	.039	.199	.113	.036	.166	.096	.030	.137	.079	.025	.110	.064	.021		
2.0	.204	.112	.034	.189	.104	.032	.160	.089	.028	.134	.075	.023	.109	.062	.019		
3.0	.193	.103	.031	.179	.096	.029	.153	.083	.025	.129	.071	.022	.107	.059	.018		
4.0	.183	.095	.028	.170	.089	.026	.146	.078	.023	.124	.067	.020	.104	.056	.017		
5.0	.173	.088	.025	.161	.083	.024	.139	.073	.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	.077	.022	.145	.072	.021	.127	.064	.018	.109	.056	.016	.093	.048	.014		
8.0	.147	.072	.020	.138	.068	.019	.121	.060	.017	.105	.053	.015	.090	.046	.013		
9.0	.140	.068	.019	.132	.064	.018	.116	.057	.016	.101	.050	.014	.086	.044	.013		
10.0	.133	.064	.018	.125	.061	.017	.111	.054	.015	.096	.048	.014	.083	.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	.450	.450	.450	.384	.384	.384	.262	.262	.262	.151	.151	.151	.048	.048	.048	
1.0	.435	.418	.403	.372	.359	.347	.255	.247	.240	.147	.143	.140	.047	.046	.045	
2.0	.424	.395	.372	.363	.340	.321	.249	.236	.224	.143	.137	.131	.046	.044	.043	
3.0	.414	.378	.350	.355	.326	.303	.244	.227	.213	.141	.132	.125	.045	.043	.041	
4.0	.406	.365	.334	.348	.316	.290	.240	.220	.204	.139	.129	.121	.045	.042	.040	
5.0	.399	.355	.322	.343	.307	.280	.236	.215	.198	.137	.126	.117	.044	.041	.039	
6.0	.393	.347	.314	.338	.300	.273	.233	.210	.193	.135	.124	.115	.044	.040	.038	
7.0	.387	.340	.307	.333	.295	.268	.230	.207	.190	.134	.122	.113	.043	.040	.037	
8.0	.382	.335	.302	.329	.290	.264	.227	.204	.187	.132	.120	.111	.043	.039	.037	
9.0	.377	.330	.298	.325	.286	.260	.225	.201	.185	.131	.119	.110	.042	.039	.037	
10.0	.372	.326	.295	.321	.283	.258	.223	.199	.183	.130	.118	.109	.042	.039	.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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm										
NAME: 1FT					TYPE:4000K 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	19.1	20.0	19.8	20.6	21.4	17.7	18.6	18.4	19.2	20.0
3H	18.8	19.6	19.5	20.3	21.1	17.4	18.2	18.1	18.9	19.7
4H	18.7	19.4	19.4	20.1	21.0	17.3	18.0	18.0	18.7	19.6
6H	18.5	19.2	19.3	19.9	20.8	17.1	17.8	17.9	18.5	19.4
8H	18.5	19.1	19.2	19.8	20.7	17.1	17.7	17.8	18.4	19.3
12H	18.4	19.0	19.2	19.7	20.6	17.0	17.6	17.8	18.3	19.2
4H 2H	18.7	19.4	19.4	20.1	21.0	17.3	18.0	18.0	18.7	19.6
3H	18.4	19.0	19.2	19.8	20.7	17.0	17.6	17.8	18.4	19.3
4H	18.2	18.8	19.0	19.6	20.5	16.9	17.4	17.7	18.2	19.1
6H	18.1	18.5	18.9	19.4	20.3	16.7	17.2	17.5	18.0	18.9
8H	18.0	18.4	18.8	19.2	20.2	16.6	17.0	17.5	17.9	18.9
12H	17.9	18.3	18.8	19.1	20.2	16.5	16.9	17.4	17.8	18.8
8H 4H	18.0	18.4	18.8	19.2	20.2	16.6	17.0	17.5	17.9	18.9
6H	17.8	18.2	18.7	19.0	20.1	16.5	16.8	17.3	17.6	18.7
8H	17.7	18.1	18.6	18.9	20.0	16.4	16.7	17.2	17.5	18.6
12H	17.7	17.9	18.6	18.8	19.9	16.3	16.5	17.2	17.4	18.5
12H 4H	17.9	18.3	18.8	19.1	20.2	16.5	16.9	17.4	17.8	18.8
6H	17.7	18.0	18.6	18.9	20.0	16.4	16.7	17.2	17.5	18.6
8H	17.7	17.9	18.6	18.8	19.9	16.3	16.5	17.2	17.4	18.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / -16.8					+ 3.1 / -15.8				
1.5H	+ 3.4 / - 8.8					+ 3.5 / -14.0				
2.0H	+ 6.6 / -17.1					+ 6.0 / -13.1				

CIE Pub.117 Corrected 1739 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

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:119.3V I:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

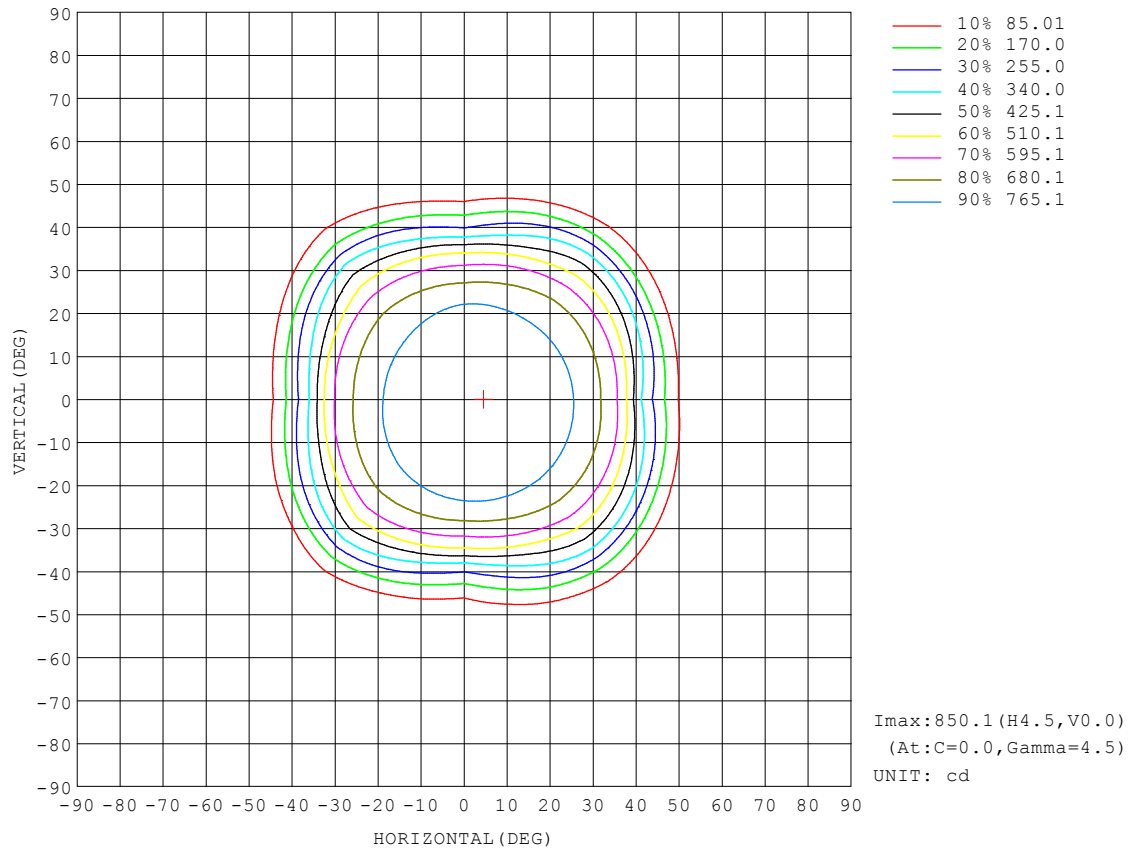
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	55	51	62	55	50	59	53	49	43
0.80	73	64	59	70	63	58	66	60	56	49
1.00	79	70	65	76	69	64	71	66	61	53
1.25	84	76	71	81	74	69	75	70	66	56
1.50	88	81	75	84	78	73	78	73	69	58
2.00	93	86	81	89	83	79	81	77	74	60
2.50	96	90	85	91	86	82	83	79	76	61
3.00	98	93	88	93	89	85	84	81	78	62
4.00	101	97	93	96	92	89	86	84	81	63
5.00	103	99	96	98	94	92	87	85	83	64
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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

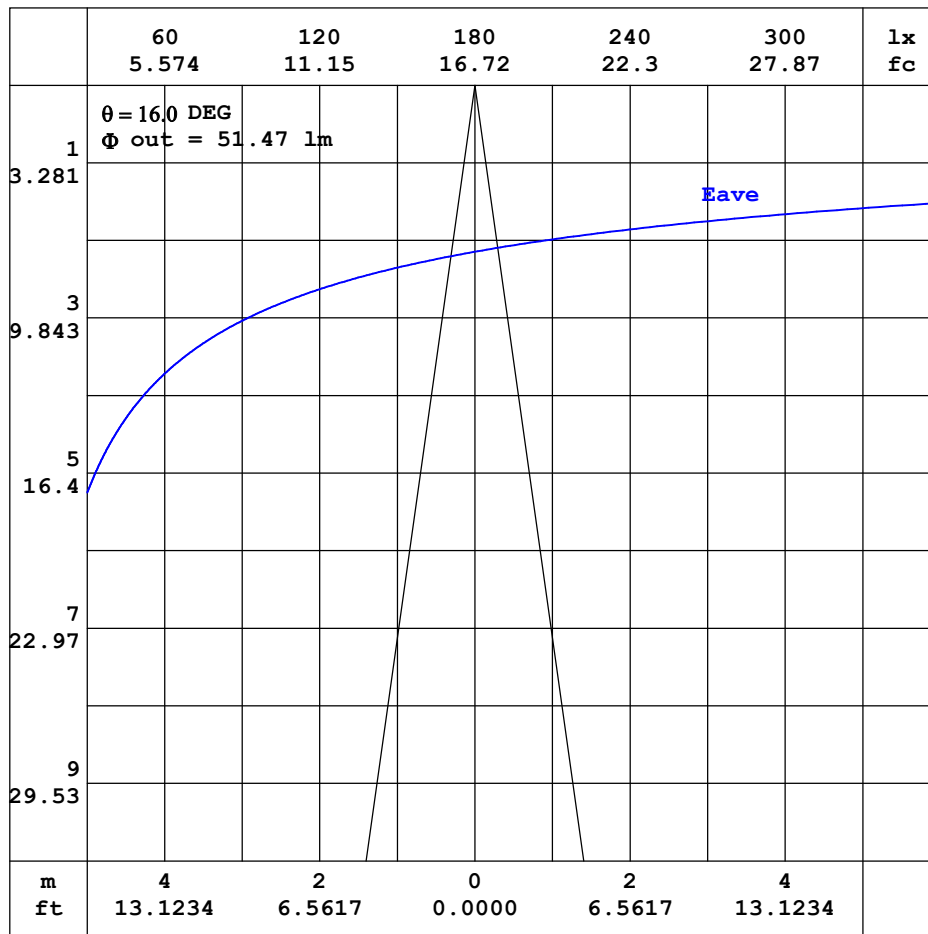


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



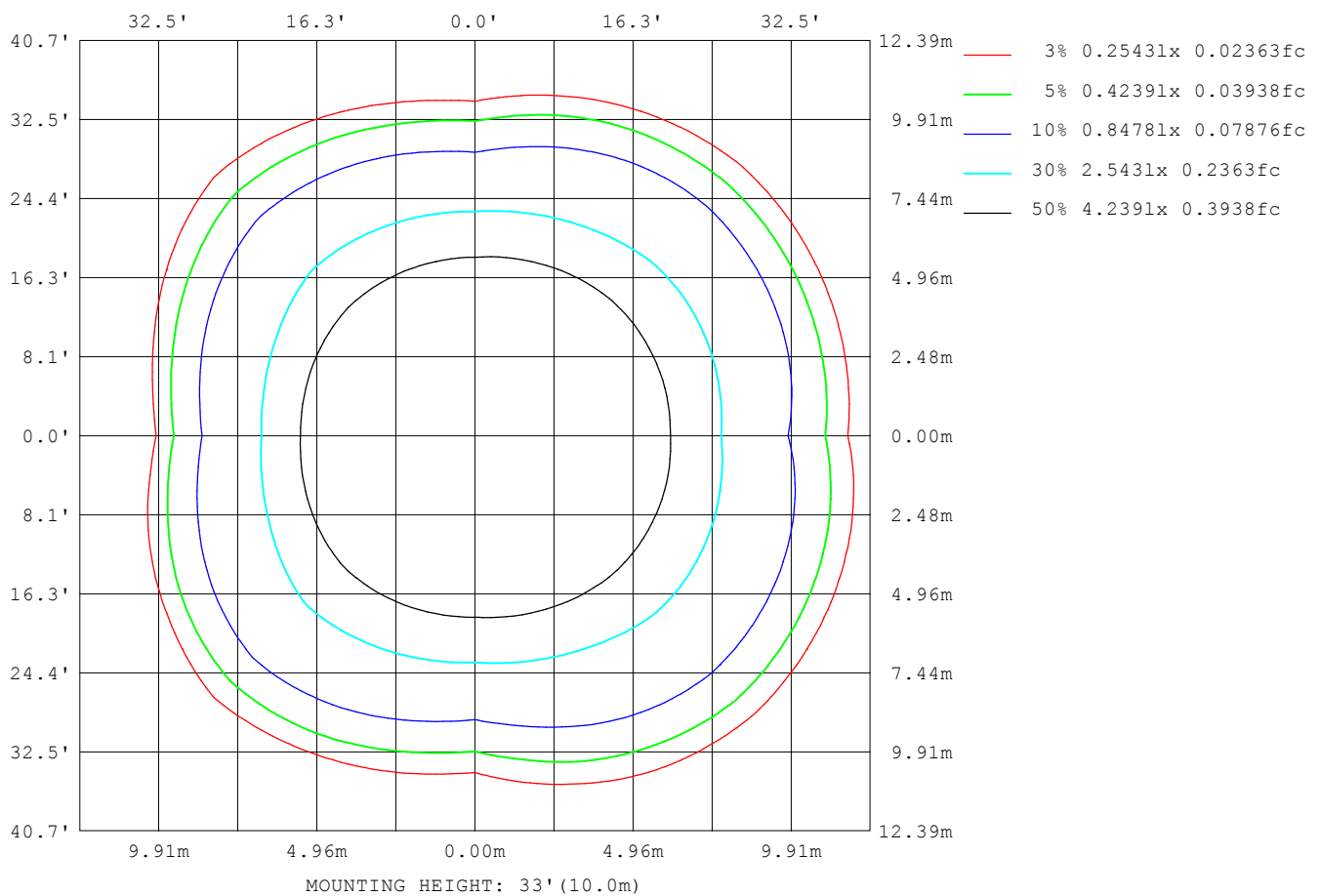
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

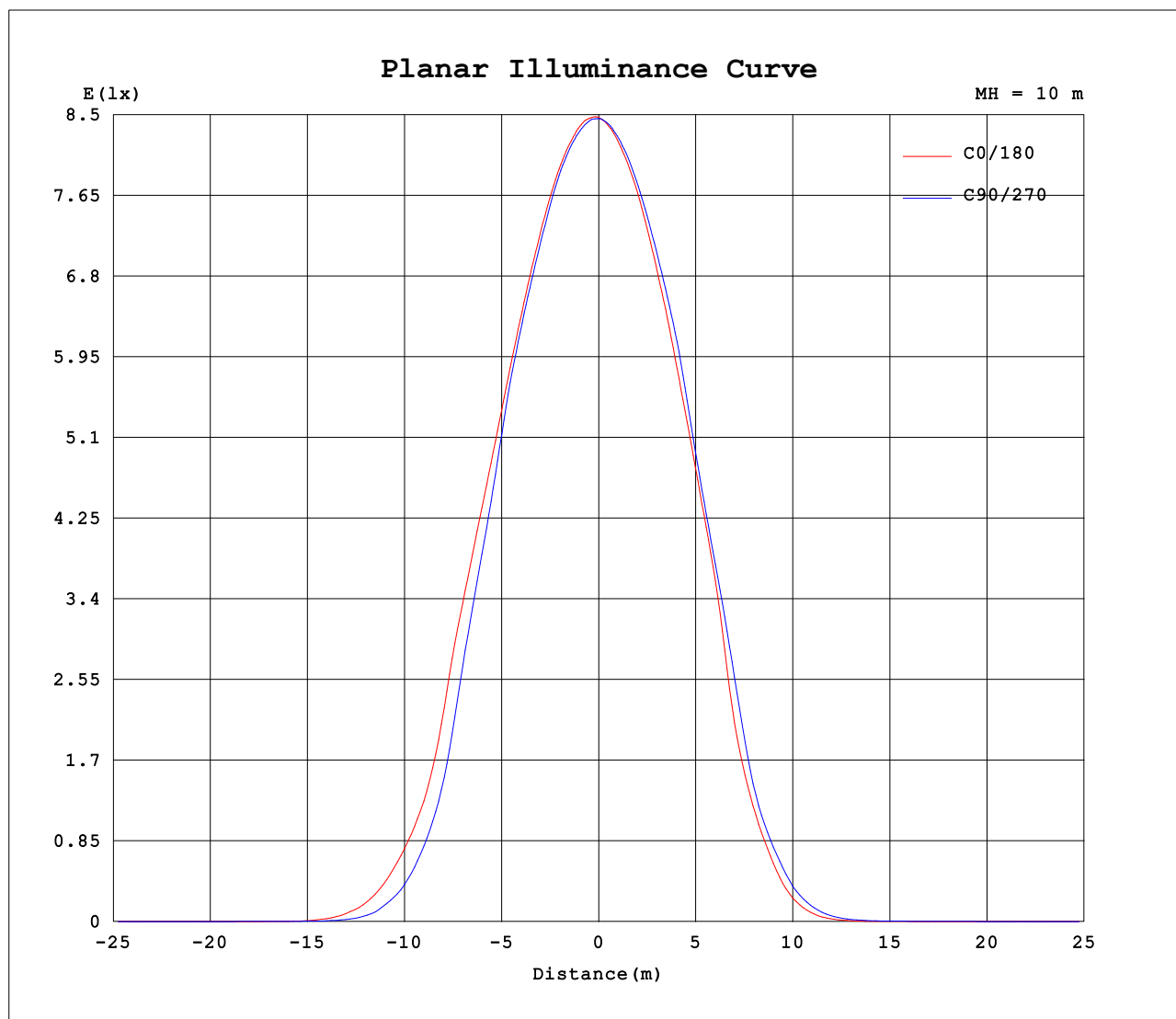
AvgL	cd/m2
L_0~180 (65) av	306
L_0~180 (75) av	290
L_0~180 (85) av	456
L_90~270 (65) av	495
L_90~270 (75) av	480
L_90~270 (85) av	701
L_45 (65) av	427
L_45 (75) av	424
L_45 (85) av	745

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 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	847	847	847	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846
5	850	850	850	850	850	850	849	849	849	849	849	848	848	847	847	847	846	846	845
10	845	845	845	846	846	846	846	845	845	845	844	844	843	843	842	841	840	839	839
15	833	834	834	834	835	835	835	834	834	833	832	831	830	829	827	826	825	823	822
20	809	809	810	810	810	810	810	810	809	808	807	806	805	803	801	800	798	796	794
25	770	770	771	771	771	771	771	770	769	768	766	764	762	759	757	754	752	749	747
30	708	711	714	716	717	717	716	714	711	708	701	693	685	676	668	660	652	645	639
35	611	618	624	628	631	631	631	628	624	618	605	590	575	559	543	528	514	502	491
40	393	419	441	459	473	483	489	491	490	484	462	437	410	382	354	326	301	278	258
45	218	244	266	285	299	310	318	321	321	317	298	276	252	226	201	175	152	130	111
50	80.4	94.3	106	116	124	130	134	136	136	134	124	112	100.0	86.8	73.4	60.2	47.6	36.1	26.2
55	13.6	20.5	26.5	31.7	36.0	39.4	42.0	43.6	44.5	44.4	41.1	37.0	32.5	27.6	22.6	17.6	12.9	8.52	4.74
60	2.43	4.62	6.56	8.24	9.67	10.9	11.8	12.5	12.9	13.0	12.3	11.4	10.4	9.19	7.95	6.68	5.43	4.26	3.20
65	1.88	1.93	1.98	2.02	2.07	2.11	2.15	2.19	2.22	2.26	2.30	2.33	2.36	2.39	2.42	2.44	2.45	2.46	2.47
70	1.47	1.50	1.53	1.55	1.58	1.61	1.63	1.66	1.68	1.71	1.74	1.77	1.80	1.83	1.85	1.88	1.90	1.91	1.92
75	1.16	1.19	1.21	1.24	1.26	1.29	1.31	1.33	1.34	1.36	1.37	1.39	1.40	1.40	1.41	1.42	1.42	1.42	1.42
80	0.87	0.90	0.94	0.96	0.99	1.01	1.03	1.04	1.05	1.06	1.06	1.06	1.05	1.05	1.04	1.03	1.01	1.00	0.99
85	0.64	0.68	0.71	0.73	0.76	0.77	0.79	0.80	0.81	0.81	0.80	0.79	0.78	0.76	0.75	0.73	0.71	0.70	0.68
90	12.3	12.0	11.7	11.4	11.0	10.5	10.0	9.46	8.86	8.22	7.30	6.34	5.37	4.41	3.46	2.55	1.70	0.92	0.22
95	37.0	37.9	38.3	38.5	38.3	37.8	37.0	35.8	34.3	32.5	29.0	25.3	21.4	17.6	13.8	10.1	6.76	3.77	1.26
100	73.2	72.8	72.1	71.0	69.5	67.7	65.5	62.9	60.0	56.7	51.0	45.1	39.1	33.2	27.6	22.4	17.7	13.6	10.5
105	93.3	92.5	91.4	89.8	87.9	85.6	82.9	79.8	76.3	72.4	65.9	59.1	52.3	45.6	39.3	33.4	28.2	23.7	20.3
110	112	111	110	109	107	104	101	97.7	93.8	89.5	82.1	74.5	66.9	59.4	52.2	45.6	39.7	34.7	30.8
115	134	132	130	128	126	122	119	115	110	105	97.3	88.9	80.5	72.3	64.5	57.3	50.9	45.6	41.5
120	152	150	148	145	142	138	134	130	125	120	111	102	93.3	84.5	76.3	68.7	62.0	56.4	52.2
125	168	166	163	160	156	152	148	143	138	132	123	114	105	95.6	87.2	79.4	72.7	67.1	62.9
130	183	179	176	172	167	163	158	152	147	141	132	122	113	105	96.5	89.1	82.6	77.4	73.5
135	192	188	183	178	174	168	163	158	152	146	137	129	120	112	105	97.7	91.9	87.2	83.8
140	194	190	185	180	175	170	165	159	154	148	141	133	125	118	112	106	101	96.6	93.8
145	190	185	181	177	172	168	163	158	154	149	142	136	129	123	118	113	109	105	103
150	180	177	173	170	166	163	159	155	152	148	143	138	132	128	123	120	116	114	112
155	170	167	165	162	160	157	154	152	149	146	142	138	135	131	128	125	123	121	120
160	159	158	156	154	153	151	150	148	146	144	142	139	137	134	132	130	128	127	126
165	150	149	149	148	147	146	145	144	143	142	141	139	138	136	135	134	133	132	132
170	144	143	143	143	143	142	142	142	141	141	140	139	139	138	137	137	136	136	136
175	140	140	140	140	140	140	140	140	140	140	140	139	139	139	139	139	138	138	138
180	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm		
NAME: 1FT	TYPE:4000K 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	846	846	846	846	846	846	846	846	846	846	846	846	846	847	847	847	847	847	847
5	845	844	844	844	843	843	842	842	841	841	840	840	839	839	838	838	837	837	837
10	838	837	836	835	834	833	832	831	830	829	827	826	825	824	823	822	821	820	819
15	820	819	818	817	816	815	813	812	811	809	807	805	802	800	799	797	795	794	793
20	792	791	789	787	785	784	782	780	777	775	772	769	766	763	760	758	756	754	753
25	745	743	741	739	737	735	733	731	728	724	719	715	710	706	702	698	695	692	692
30	640	642	644	647	650	653	656	659	660	654	647	640	632	625	617	610	604	598	600
35	496	502	510	518	527	535	541	546	549	532	513	492	471	450	430	411	395	381	389
40	269	284	301	319	339	358	376	391	404	386	365	342	318	293	269	246	226	209	221
45	118	128	140	154	168	183	196	208	218	205	189	172	153	135	116	99.1	83.7	70.9	79.2
50	29.2	33.8	39.6	46.2	53.3	60.4	67.2	73.3	78.3	72.3	65.1	57.1	48.7	40.2	32.0	24.3	17.6	12.1	17.2
55	6.13	8.14	10.6	13.4	16.4	19.3	22.2	24.8	26.9	24.8	22.2	19.3	16.3	13.1	10.1	7.20	4.66	2.57	4.42
60	3.31	3.55	3.89	4.32	4.78	5.27	5.75	6.18	6.55	6.14	5.65	5.10	4.53	3.94	3.37	2.83	2.35	1.95	2.20
65	2.46	2.45	2.43	2.41	2.38	2.35	2.31	2.26	2.21	2.11	2.01	1.91	1.81	1.72	1.64	1.57	1.52	1.48	1.55
70	1.92	1.91	1.89	1.88	1.85	1.82	1.79	1.75	1.70	1.62	1.54	1.46	1.37	1.30	1.23	1.17	1.13	1.10	1.16
75	1.41	1.41	1.40	1.39	1.37	1.35	1.33	1.31	1.28	1.21	1.15	1.08	1.02	0.95	0.90	0.85	0.82	0.79	0.84
80	0.99	0.99	1.00	1.00	0.99	0.99	0.98	0.97	0.96	0.91	0.85	0.80	0.74	0.69	0.65	0.61	0.58	0.55	0.59
85	0.69	0.71	0.72	0.73	0.75	0.76	0.76	0.77	0.77	0.73	0.68	0.63	0.58	0.53	0.49	0.45	0.42	0.39	0.42
90	0.27	0.32	0.38	0.44	0.50	0.57	0.63	0.68	0.74	0.70	0.65	0.60	0.54	0.48	0.42	0.37	0.32	0.28	0.32
95	1.93	3.09	4.63	6.45	8.46	10.6	12.7	14.7	16.5	16.0	15.2	14.2	13.2	12.1	11.0	9.96	9.08	8.39	9.76
100	12.7	15.7	19.3	23.4	27.9	32.4	36.9	41.1	44.9	44.4	43.5	42.1	40.5	38.7	36.8	35.0	33.4	32.0	33.8
105	22.7	26.2	30.4	35.3	40.6	46.2	52.0	57.7	63.2	65.6	67.7	69.3	70.7	71.7	72.4	72.8	72.9	72.8	73.0
110	33.4	37.2	41.9	47.3	53.3	59.7	66.3	72.8	79.2	82.7	85.8	88.5	90.8	92.8	94.3	95.4	96.1	96.4	96.2
115	44.6	49.0	54.4	60.6	67.4	74.5	81.9	89.2	96.3	99.9	103	106	108	110	111	112	113	113	113
120	55.6	60.3	66.2	72.9	80.2	88.0	95.9	104	112	116	119	122	125	127	128	129	130	130	130
125	66.5	71.5	77.6	84.6	92.4	101	109	117	125	130	134	138	141	143	145	147	148	148	147
130	77.1	82.1	88.3	95.3	103	111	120	128	136	142	146	150	154	157	160	161	163	163	162
135	87.2	91.9	97.8	104	112	120	128	136	144	150	155	160	164	168	171	173	175	176	174
140	96.8	101	106	112	119	126	133	141	148	154	160	165	170	174	178	181	183	184	182
145	106	109	114	119	124	131	137	144	150	156	161	166	171	175	179	182	185	186	184
150	114	117	120	124	129	134	139	145	150	155	160	164	168	172	175	178	180	182	180
155	121	123	126	129	133	137	141	145	149	152	156	160	163	166	168	170	172	173	171
160	127	129	131	133	135	138	141	144	146	149	152	154	156	158	160	161	162	163	162
165	132	133	134	136	137	139	140	142	144	145	147	148	150	151	152	153	154	154	153
170	136	137	137	138	139	139	140	141	142	143	143	144	145	145	146	146	146	147	146
175	138	138	139	139	139	139	140	140	140	140	141	141	141	141	141	141	142	142	142
180	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm																		
NAME: 1FT									TYPE:4000K 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	847	847	847	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846	846
5	836	836	836	836	836	836	836	836	837	837	837	838	838	839	839	840	840	840	841
10	819	819	819	819	819	819	820	820	821	821	822	823	824	825	826	827	828	829	830
15	793	792	792	793	793	794	794	795	797	798	800	801	803	805	807	808	810	811	812
20	753	753	753	754	755	756	757	759	761	764	766	769	772	774	777	780	782	783	785
25	693	694	696	698	700	703	705	708	709	710	711	712	714	715	716	718	720	723	726
30	602	606	610	614	619	623	628	632	631	629	627	625	623	622	621	620	621	627	634
35	401	414	430	446	463	480	496	510	508	504	499	493	486	480	475	470	468	478	490
40	236	254	274	294	315	335	353	368	358	345	330	314	298	283	269	258	249	267	288
45	90.1	103	117	132	147	162	175	187	179	170	160	149	138	127	118	111	106	121	139
50	23.6	30.9	38.8	47.0	55.1	62.8	69.8	75.7	71.4	66.1	60.0	53.5	46.9	40.4	34.4	29.3	25.3	30.8	37.4
55	6.72	9.37	12.2	15.2	18.1	20.8	23.3	25.4	23.7	21.6	19.3	16.7	14.1	11.6	9.23	7.15	5.49	7.38	9.68
60	2.52	2.92	3.35	3.82	4.29	4.75	5.18	5.57	5.44	5.26	5.05	4.81	4.57	4.33	4.12	3.94	3.82	4.22	4.67
65	1.64	1.74	1.85	1.97	2.10	2.23	2.36	2.49	2.58	2.66	2.73	2.80	2.85	2.90	2.94	2.96	2.98	2.95	2.91
70	1.23	1.32	1.41	1.51	1.62	1.73	1.84	1.95	2.03	2.10	2.16	2.22	2.26	2.31	2.34	2.36	2.37	2.36	2.33
75	0.90	0.97	1.05	1.13	1.22	1.31	1.40	1.48	1.54	1.59	1.64	1.69	1.72	1.76	1.78	1.80	1.82	1.81	1.80
80	0.64	0.69	0.75	0.82	0.89	0.96	1.03	1.10	1.14	1.17	1.20	1.23	1.25	1.28	1.29	1.30	1.31	1.32	1.33
85	0.46	0.51	0.56	0.61	0.67	0.72	0.78	0.83	0.85	0.87	0.88	0.89	0.89	0.90	0.90	0.90	0.90	0.92	0.93
90	0.37	0.42	0.49	0.55	0.61	0.67	0.72	0.77	0.70	0.68	0.65	0.62	0.59	0.56	0.53	0.50	0.48	1.08	1.76
95	11.3	13.0	14.6	16.3	17.8	19.2	20.3	21.0	19.0	16.6	14.1	11.4	8.78	6.27	3.98	2.03	0.51	1.94	3.83
100	35.9	38.2	40.4	42.6	44.5	46.1	47.3	47.9	44.2	39.9	35.3	30.6	25.8	21.2	16.9	13.0	9.88	10.8	12.4
105	73.0	72.7	72.1	71.2	69.9	68.3	66.2	63.8	58.5	53.0	47.3	41.7	36.2	31.1	26.5	22.6	19.5	20.7	22.9
110	95.6	94.6	93.1	91.2	89.0	86.3	83.1	79.6	73.3	66.8	60.2	53.8	47.6	41.9	36.9	32.7	29.6	31.9	35.3
115	112	111	110	108	106	103	99.9	96.2	89.0	81.6	74.1	66.8	59.8	53.4	47.8	43.1	39.7	43.2	47.8
120	129	128	126	124	122	119	115	111	103	95.0	86.9	78.9	71.4	64.5	58.5	53.5	49.9	53.8	59.1
125	146	145	143	140	137	133	129	124	116	107	98.8	90.5	82.6	75.4	69.2	64.1	60.3	64.2	69.4
130	161	159	156	153	149	144	140	134	126	117	109	101	93.0	85.9	79.8	74.7	71.1	74.5	79.4
135	172	169	166	162	157	152	147	141	133	125	117	109	102	95.3	89.6	85.0	81.6	84.5	88.7
140	180	176	172	167	162	157	151	144	137	130	123	116	109	104	98.6	94.5	91.6	94.0	97.5
145	181	178	174	169	164	158	152	146	140	134	127	122	116	111	107	104	101	103	106
150	177	174	170	166	161	156	151	146	141	136	131	126	122	118	115	112	110	112	114
155	169	167	164	160	157	153	149	145	141	137	134	130	127	124	122	120	119	119	121
160	161	159	157	154	152	149	146	143	141	138	136	133	131	129	128	126	125	126	127
165	152	151	150	148	147	145	143	142	140	139	137	136	135	133	132	132	131	131	132
170	146	145	145	144	143	142	141	141	140	139	138	138	137	136	136	136	135	135	135
175	141	141	141	141	141	140	140	140	140	139	139	139	139	138	138	138	138	138	138
180	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

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:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1739.2x1 lm																	
NAME: 1FT									TYPE:4000K 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	846	846	846	846	846	846	846	846	846	846	846	846	846	847	847				
5	841	842	842	843	843	844	844	845	845	846	847	847	848	849	849				
10	830	831	832	833	834	834	835	836	837	838	839	840	841	843	844				
15	813	814	815	816	817	818	819	820	821	823	824	826	828	829	831				
20	786	787	788	789	790	791	792	793	795	797	798	800	802	804	806				
25	730	734	737	741	745	748	752	754	757	759	761	763	765	767	768				
30	642	650	659	667	676	684	691	696	700	703	705	707	708	709	709				
35	504	518	533	549	564	578	592	599	605	610	613	615	616	616	614				
40	311	336	361	386	411	434	454	461	464	463	460	453	443	430	413				
45	158	179	200	221	241	259	275	280	282	281	278	271	262	250	235				
50	45.0	53.1	61.7	70.3	78.8	86.8	94.0	96.6	98.1	98.6	98.1	96.6	94.1	90.5	86.0				
55	12.3	15.1	18.0	20.9	23.6	26.1	28.2	28.5	28.2	27.5	26.3	24.7	22.6	20.1	17.0				
60	5.15	5.64	6.12	6.56	6.96	7.29	7.52	7.39	7.15	6.80	6.35	5.78	5.11	4.32	3.43				
65	2.85	2.80	2.73	2.66	2.58	2.50	2.42	2.36	2.30	2.24	2.18	2.12	2.06	2.00	1.94				
70	2.29	2.25	2.20	2.15	2.09	2.03	1.97	1.92	1.86	1.81	1.76	1.70	1.65	1.59	1.53				
75	1.78	1.76	1.73	1.70	1.67	1.63	1.58	1.55	1.51	1.46	1.42	1.37	1.32	1.27	1.21				
80	1.33	1.32	1.32	1.31	1.29	1.28	1.25	1.23	1.20	1.16	1.12	1.08	1.03	0.98	0.93				
85	0.94	0.95	0.96	0.97	0.97	0.97	0.96	0.95	0.93	0.90	0.87	0.83	0.79	0.75	0.70				
90	2.50	3.30	4.13	4.99	5.86	6.73	7.58	8.22	8.83	9.42	9.97	10.5	11.0	11.5	11.9				
95	6.12	8.72	11.6	14.6	17.7	20.9	23.9	25.9	27.7	29.5	31.0	32.5	33.8	35.0	36.1				
100	14.6	17.5	20.8	24.6	28.7	33.0	37.5	41.1	44.8	48.5	52.4	56.4	60.4	64.6	68.9				
105	25.8	29.4	33.6	38.2	43.2	48.5	53.9	58.0	62.2	66.5	70.8	75.2	79.6	84.1	88.7				
110	39.5	44.6	50.2	56.3	62.7	69.3	75.9	80.4	84.8	89.1	93.3	97.3	101	105	109				
115	53.5	60.1	67.3	74.9	82.9	90.9	98.9	104	109	113	117	121	125	128	131				
120	65.4	72.7	80.7	89.2	98.0	107	116	121	126	131	135	139	143	146	149				
125	75.8	83.2	91.4	100	109	118	127	133	139	144	149	153	158	162	165				
130	85.4	92.4	100	108	117	126	135	141	147	153	158	164	169	174	178				
135	94.0	100	107	115	123	131	140	146	152	158	164	170	175	181	187				
140	102	107	113	120	127	135	142	148	154	159	165	171	177	183	188				
145	109	114	119	124	130	136	143	148	153	158	163	168	173	179	184				
150	116	120	124	128	132	137	142	146	150	154	158	162	167	171	176				
155	123	125	128	131	134	137	141	144	147	150	153	156	159	163	166				
160	128	129	131	133	135	137	140	142	144	146	148	150	152	154	157				
165	132	133	134	135	136	137	139	140	141	142	143	145	146	147	149				
170	136	136	136	137	137	138	138	139	139	140	140	141	142	142	143				
175	138	138	138	138	138	138	138	138	139	139	139	139	139	140	140				
180	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138				

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: