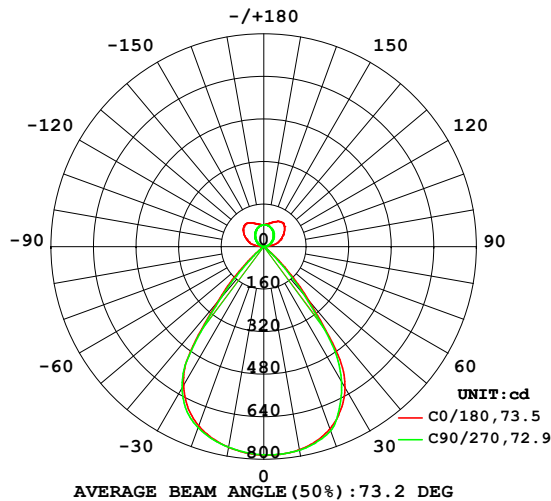


LUMINAIRE PHOTOMETRIC TEST REPORT

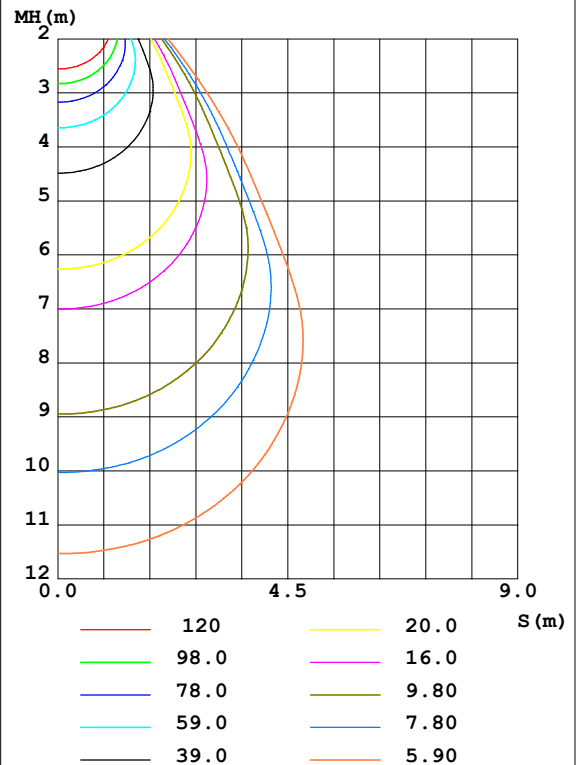
Test:U:119.3V I:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.04 lm/W			
MODEL		I _{max} (cd)	784.6	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)	1414.9	η UP,DN(C0-180)	12.9,37.7
NOMINAL FLUX(lm)	1414.95	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.2,37.2
LAMPS INSIDE	1	η up(%)	25.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	74.9	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:

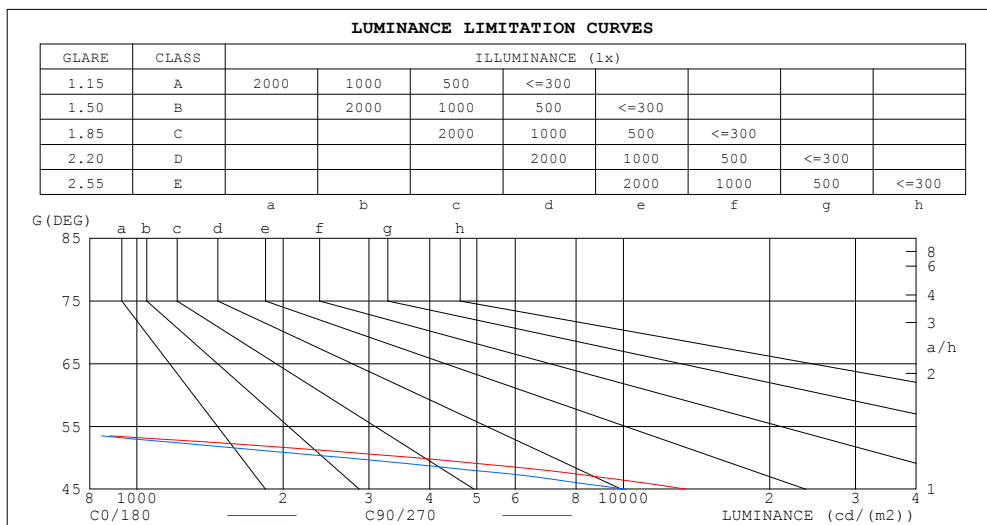
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	775.3	777.1	777.3	772.8	766.3	763.2	766.0	765.8	0- 10	74.13	74.13	5.24,5.24
20	728.9	734.9	736.6	733.1	717.0	715.4	724.3	718.4	10- 20	212.4	286.5	20.2,20.2
30	611.2	624.1	585.3	627.7	603.5	615.5	614.8	608.4	20- 30	311.6	598.2	42.3,42.3
40	261.7	387.4	232.2	414.7	270.1	414.2	248.7	381.8	30- 40	301.8	899.9	63.6,63.6
50	31.13	76.11	22.31	99.79	32.06	103.9	17.58	64.93	40- 50	137.6	1038	73.3,73.3
60	1.635	5.745	2.871	11.08	1.609	8.284	1.774	3.041	50- 60	18.92	1056	74.7,74.7
70	0.8772	1.445	1.628	1.431	0.8398	1.025	1.176	0.9836	60- 70	1.938	1058	74.8,74.8
80	0.3612	0.6728	0.7903	0.7430	0.3482	0.6106	0.7430	0.5791	70- 80	0.9346	1059	74.9,74.9
90	1.873	1.443	0	4.605	1.494	2.249	0.0000	0.3026	80- 90	0.5181	1060	74.9,74.9
100	31.70	30.74	7.688	34.01	35.21	30.68	4.564	26.69	90-100	13.24	1073	75.8,75.8
110	63.47	50.75	20.12	53.13	63.39	48.89	15.90	45.89	100-110	37.76	1111	78.5,78.5
120	84.49	70.32	32.87	70.65	83.70	65.91	27.98	64.52	110-120	53.40	1164	82.3,82.3
130	103.2	85.17	45.58	82.49	100.9	77.41	40.46	78.67	120-130	62.55	1227	86.7,86.7
140	114.3	91.81	57.59	86.91	109.4	81.81	52.81	85.28	130-140	62.69	1289	91.1,91.1
150	109.9	92.24	68.16	86.71	103.8	82.26	64.36	86.52	140-150	53.92	1343	94.9,94.9
160	97.96	89.51	76.46	84.93	92.68	81.72	73.72	85.13	150-160	39.74	1383	97.7,97.7
170	87.11	85.90	81.60	83.37	84.65	81.82	80.17	83.44	160-170	23.90	1407	99.4,99.4
180	81.59	81.59	81.59	81.59	81.59	81.59	81.59	81.59	170-180	7.939	1415	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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	152	449
80	160	350
75	175	347
70	197	366
65	213	397
60	252	442
55	439	580
50	3726	2670
45	13488	10141

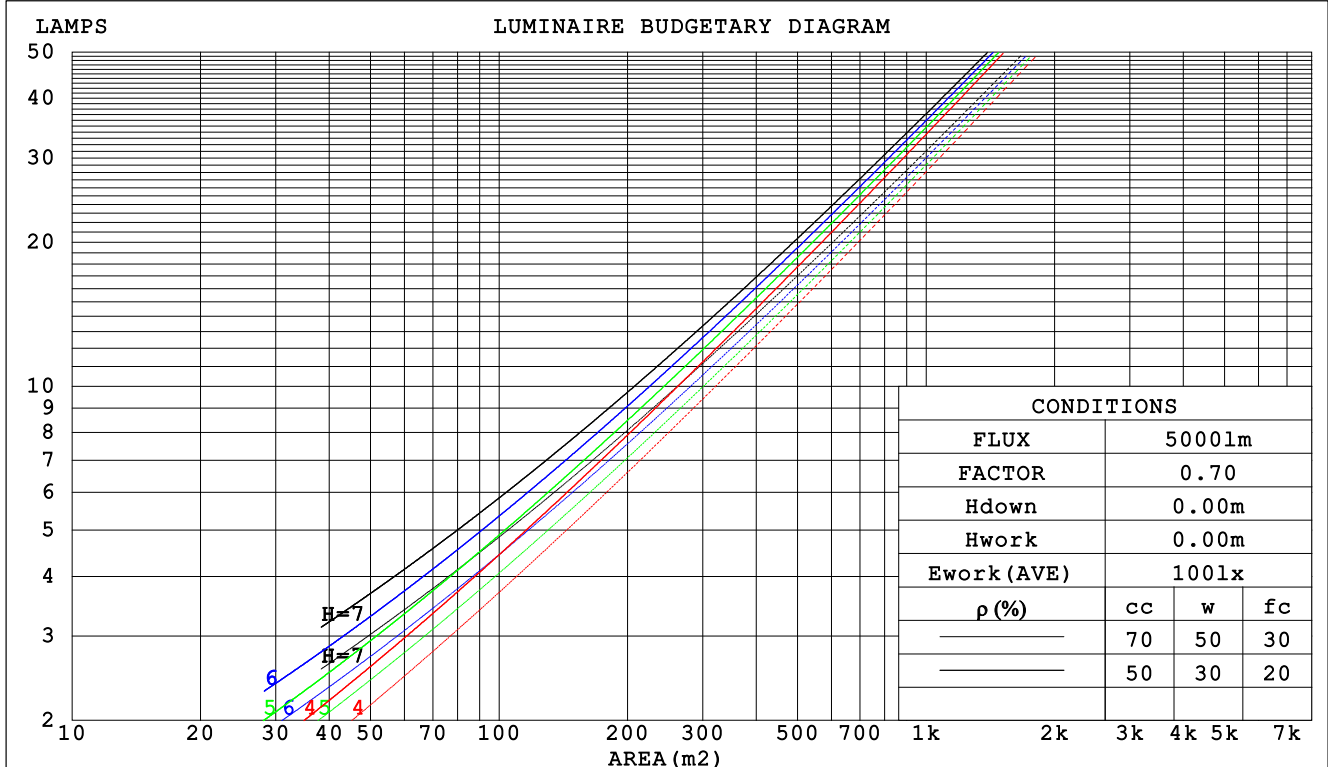
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	1.03	1.00	.98	.98	.96	.94	.90	.88	.86	.82	.81	.79	.75	.74	.73	.69
2.0	.94	.89	.85	.90	.86	.82	.83	.80	.77	.76	.74	.72	.70	.68	.66	.63
3.0	.86	.80	.76	.83	.77	.73	.76	.72	.69	.70	.67	.65	.65	.63	.61	.58
4.0	.79	.72	.67	.76	.70	.66	.70	.66	.62	.65	.62	.59	.61	.58	.56	.53
5.0	.72	.66	.61	.70	.64	.59	.65	.60	.56	.61	.57	.54	.57	.53	.51	.49
6.0	.66	.60	.55	.64	.58	.54	.60	.55	.51	.56	.52	.49	.53	.49	.47	.45
7.0	.61	.55	.50	.60	.53	.49	.56	.51	.47	.52	.48	.45	.49	.46	.43	.41
8.0	.57	.50	.46	.55	.49	.45	.52	.47	.43	.49	.45	.41	.46	.42	.40	.38
9.0	.53	.46	.42	.51	.45	.41	.48	.43	.40	.46	.41	.38	.43	.40	.37	.35
10.0	.49	.43	.39	.48	.42	.38	.45	.40	.37	.43	.38	.35	.41	.37	.34	.33



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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm					
NAME: 1FT			TYPE:4000K 1.9		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	.209	.119	.038	.195	.111	.035	.168	.096	.031	.143	.082	.026	.120	.070	.022		
2.0	.199	.109	.034	.187	.103	.032	.162	.090	.028	.140	.079	.025	.120	.068	.021		
3.0	.189	.101	.030	.178	.095	.029	.156	.085	.026	.136	.075	.023	.117	.065	.020		
4.0	.179	.093	.027	.169	.088	.026	.149	.079	.024	.131	.070	.021	.114	.062	.019		
5.0	.170	.087	.025	.161	.082	.024	.143	.074	.022	.126	.067	.020	.111	.059	.018		
6.0	.161	.081	.023	.153	.077	.022	.136	.070	.020	.121	.063	.018	.107	.056	.017		
7.0	.153	.076	.022	.146	.073	.021	.130	.066	.019	.116	.060	.017	.103	.053	.016		
8.0	.146	.071	.020	.139	.068	.019	.125	.062	.018	.112	.057	.016	.099	.051	.015		
9.0	.139	.067	.019	.132	.064	.018	.119	.059	.017	.107	.054	.015	.096	.049	.014		
10.0	.133	.064	.018	.126	.061	.017	.114	.056	.016	.103	.051	.015	.092	.046	.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	.382	.382	.382	.326	.326	.326	.223	.223	.223	.128	.128	.128	.041	.041	.041	
1.0	.366	.350	.335	.313	.300	.288	.214	.207	.199	.123	.120	.116	.040	.038	.038	
2.0	.354	.326	.303	.303	.281	.262	.208	.194	.183	.120	.113	.107	.038	.037	.035	
3.0	.344	.309	.281	.295	.266	.244	.203	.185	.171	.117	.108	.101	.038	.035	.033	
4.0	.336	.295	.265	.288	.255	.230	.198	.178	.162	.115	.104	.096	.037	.034	.031	
5.0	.328	.285	.253	.282	.246	.220	.194	.172	.155	.113	.101	.092	.036	.033	.030	
6.0	.322	.276	.244	.277	.239	.212	.191	.168	.150	.111	.099	.089	.036	.032	.030	
7.0	.316	.270	.237	.272	.234	.207	.188	.164	.146	.109	.097	.087	.035	.032	.029	
8.0	.311	.264	.232	.268	.229	.202	.185	.161	.143	.108	.095	.085	.035	.031	.028	
9.0	.306	.259	.228	.264	.225	.199	.183	.158	.141	.106	.093	.084	.034	.031	.028	
10.0	.301	.255	.225	.260	.222	.196	.180	.156	.139	.105	.092	.083	.034	.030	.028	

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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm										
NAME: 1FT					TYPE:4000K 1.9			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	17.9	18.8	18.4	19.3	19.9	17.1	18.0	17.7	18.6	19.2
3H	17.6	18.4	18.2	19.0	19.6	16.8	17.7	17.5	18.2	18.9
4H	17.5	18.2	18.1	18.8	19.5	16.7	17.5	17.3	18.1	18.8
6H	17.3	18.0	18.0	18.6	19.4	16.6	17.3	17.2	17.9	18.6
8H	17.3	17.9	17.9	18.6	19.3	16.5	17.2	17.2	17.8	18.6
12H	17.2	17.8	17.9	18.5	19.2	16.4	17.1	17.1	17.7	18.5
4H 2H	17.5	18.2	18.1	18.8	19.5	16.7	17.5	17.3	18.1	18.8
3H	17.2	17.8	17.9	18.5	19.2	16.4	17.1	17.1	17.7	18.5
4H	17.0	17.6	17.7	18.3	19.1	16.3	16.9	17.0	17.6	18.3
6H	16.9	17.4	17.6	18.1	18.9	16.2	16.7	16.9	17.4	18.2
8H	16.8	17.3	17.6	18.0	18.8	16.1	16.5	16.8	17.3	18.1
12H	16.7	17.2	17.5	17.9	18.8	16.0	16.4	16.8	17.2	18.0
8H 4H	16.8	17.3	17.6	18.0	18.8	16.1	16.5	16.8	17.3	18.1
6H	16.7	17.0	17.4	17.8	18.7	15.9	16.3	16.7	17.1	18.0
8H	16.6	16.9	17.4	17.7	18.6	15.9	16.2	16.6	17.0	17.9
12H	16.5	16.8	17.3	17.6	18.5	15.8	16.1	16.6	16.8	17.8
12H 4H	16.7	17.2	17.5	17.9	18.8	16.0	16.4	16.8	17.2	18.0
6H	16.6	16.9	17.4	17.7	18.6	15.9	16.2	16.6	17.0	17.9
8H	16.5	16.8	17.3	17.6	18.5	15.8	16.1	16.6	16.8	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -19.8					+ 2.9 / -17.4				
1.5H	+ 4.0 / -13.1					+ 4.1 / -13.6				
2.0H	+ 7.0 / -16.6					+ 6.5 / -11.9				

CIE Pub.117 Corrected 1415 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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

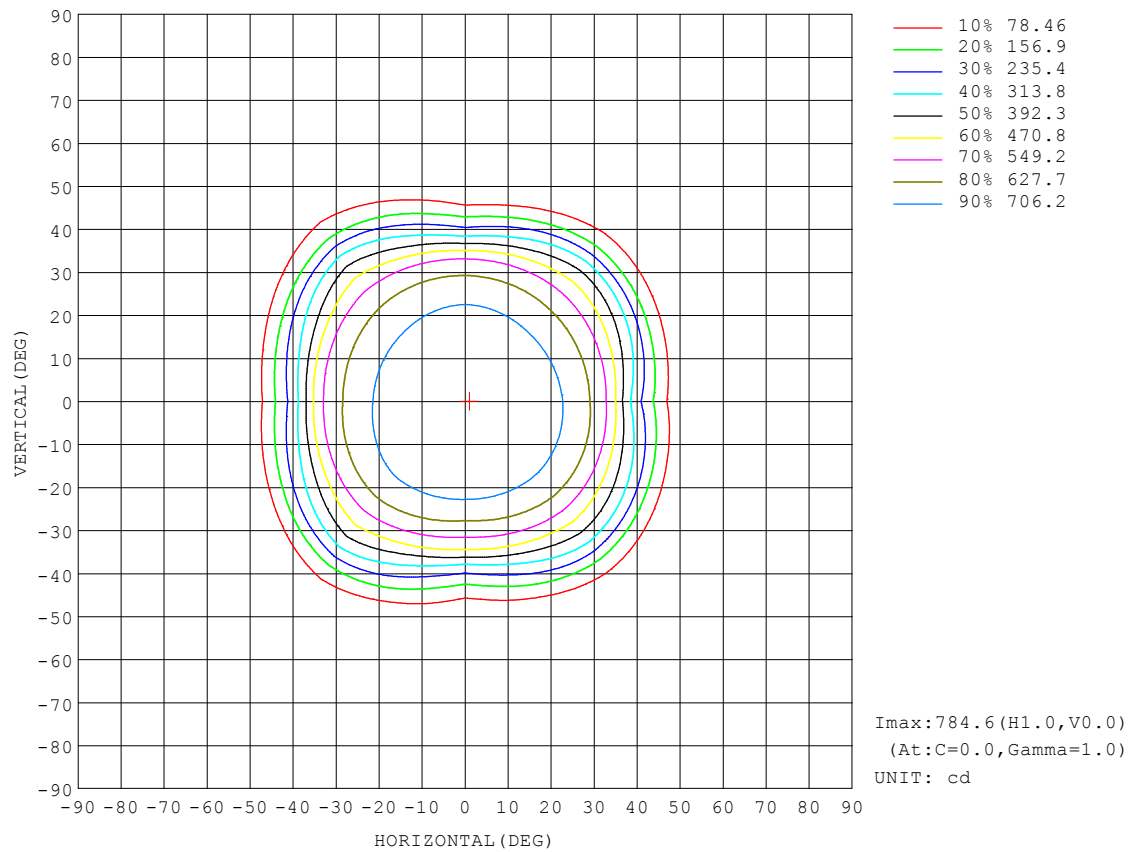
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	61	56	67	60	55	65	58	55	49
0.80	77	69	64	75	68	64	72	66	62	56
1.00	83	76	71	81	74	70	77	72	68	60
1.25	89	81	76	86	79	75	81	76	72	64
1.50	92	85	81	89	83	79	84	79	76	66
2.00	97	91	86	93	88	84	87	83	80	69
2.50	99	94	89	96	91	87	88	85	82	69
3.00	102	97	93	98	93	90	90	87	84	71
4.00	104	100	97	100	96	94	92	89	87	72
5.00	106	103	100	101	98	96	93	91	89	73
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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

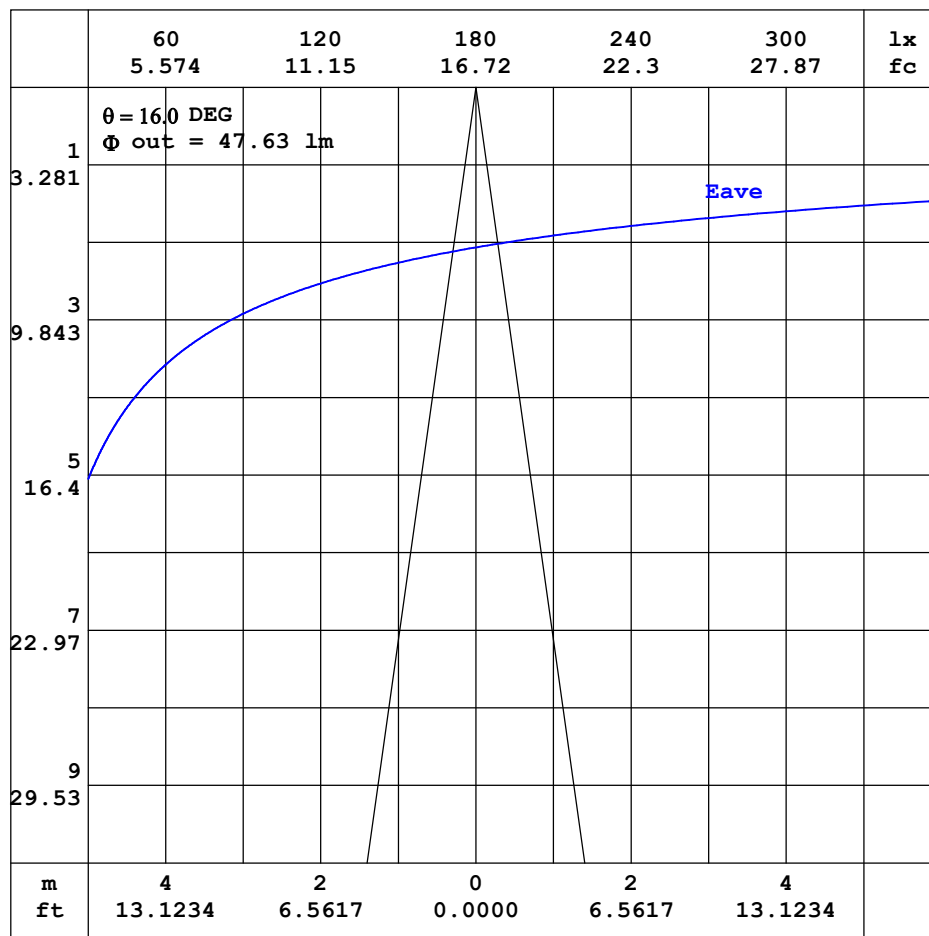


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



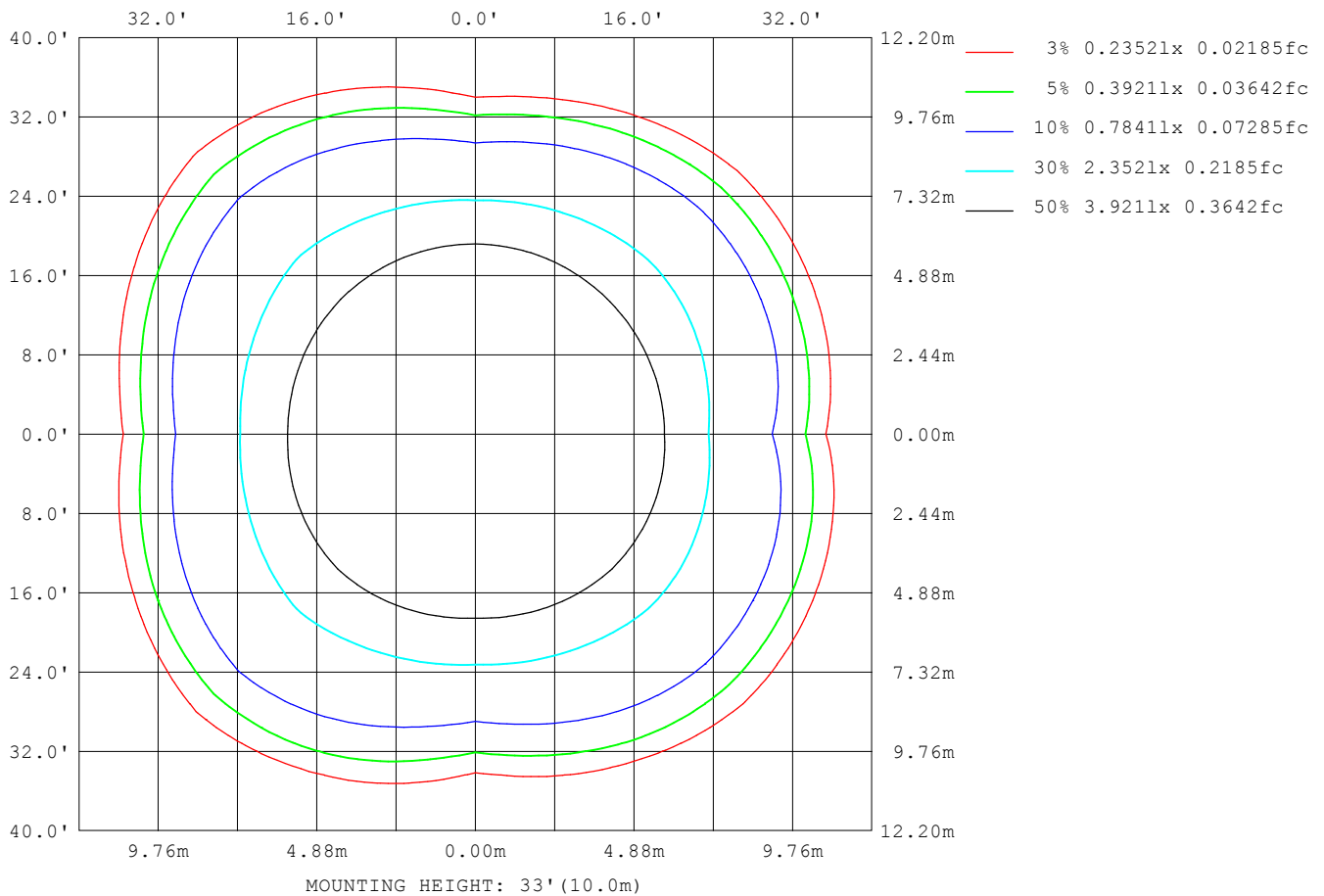
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

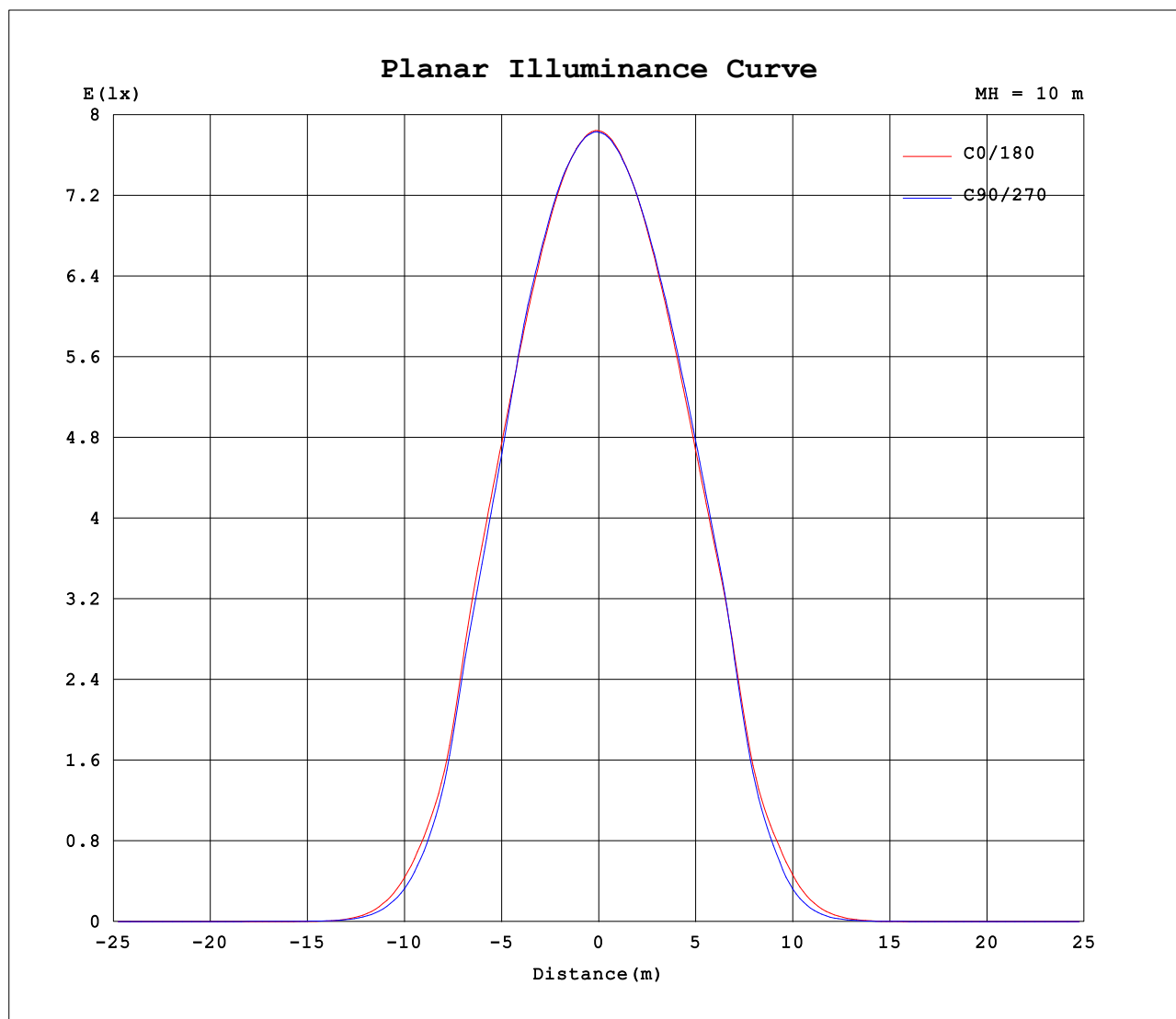
AvgL	cd/m2
L_0~180 (65) av	210
L_0~180 (75) av	173
L_0~180 (85) av	149
L_90~270 (65) av	328
L_90~270 (75) av	315
L_90~270 (85) av	458
L_45 (65) av	290
L_45 (75) av	273
L_45 (85) av	392

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:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	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	784	784	784	784	784	784	784	784	783	783	783	783	783	783	783	783	783	783	783
5	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783
10	775	776	776	776	776	776	777	777	777	777	777	777	777	778	778	778	778	777	777
15	758	759	759	760	761	761	762	762	762	763	763	763	763	763	763	763	763	763	762
20	729	730	731	731	732	733	733	734	734	735	735	736	736	736	736	737	737	737	737
25	682	684	686	688	690	691	691	692	692	692	690	687	685	683	680	678	676	674	673
30	611	615	619	621	623	625	626	626	625	624	620	615	610	605	600	596	592	588	585
35	470	481	490	498	504	509	513	515	516	515	508	501	492	484	475	467	460	453	448
40	262	290	314	335	352	366	377	384	387	387	373	355	336	316	296	277	259	244	232
45	124	146	165	182	196	207	215	220	223	222	210	195	178	162	145	129	115	102	93.2
50	31.1	41.0	49.7	57.1	63.3	68.3	72.1	74.7	76.0	76.1	70.8	64.6	57.8	50.7	43.7	37.0	31.0	26.0	22.3
55	3.28	7.58	11.4	14.7	17.5	19.8	21.6	22.9	23.7	24.0	22.1	19.9	17.4	14.7	12.1	9.64	7.43	5.62	4.33
60	1.64	2.44	3.15	3.78	4.32	4.78	5.15	5.44	5.63	5.74	5.44	5.07	4.67	4.26	3.85	3.49	3.19	2.97	2.87
65	1.17	1.28	1.39	1.48	1.57	1.66	1.74	1.81	1.87	1.93	1.99	2.03	2.07	2.10	2.13	2.15	2.17	2.18	2.18
70	0.88	0.96	1.04	1.11	1.18	1.24	1.30	1.35	1.40	1.45	1.48	1.52	1.55	1.57	1.59	1.61	1.62	1.63	1.63
75	0.59	0.65	0.71	0.76	0.82	0.86	0.91	0.95	0.99	1.02	1.05	1.08	1.10	1.12	1.14	1.15	1.16	1.16	1.17
80	0.36	0.41	0.45	0.49	0.52	0.56	0.59	0.62	0.65	0.67	0.70	0.72	0.74	0.75	0.76	0.77	0.78	0.79	0.79
85	0.17	0.21	0.25	0.28	0.31	0.34	0.37	0.39	0.42	0.44	0.45	0.47	0.48	0.49	0.50	0.50	0.51	0.51	0.51
90	1.87	1.88	1.87	1.84	1.81	1.76	1.70	1.63	1.54	1.44	1.20	0.96	0.73	0.51	0.31	0.16	0.07	0.03	0.00
95	11.7	12.7	13.5	14.2	14.7	15.0	15.1	15.0	14.8	14.3	12.8	11.2	9.58	7.93	6.34	4.89	3.63	2.64	1.97
100	31.7	32.7	33.4	33.8	34.0	33.9	33.5	32.9	31.9	30.7	28.0	25.0	22.0	19.0	16.1	13.4	11.1	9.12	7.69
105	52.8	52.2	51.4	50.4	49.2	47.9	46.3	44.6	42.7	40.6	37.1	33.4	29.8	26.3	23.0	20.0	17.4	15.3	13.8
110	63.5	62.9	62.2	61.2	60.0	58.6	57.0	55.1	53.1	50.8	46.7	42.6	38.5	34.5	30.7	27.3	24.3	21.9	20.1
115	74.0	73.6	73.0	72.1	70.9	69.5	67.8	65.8	63.6	61.1	56.6	52.0	47.4	42.9	38.6	34.7	31.3	28.5	26.5
120	84.5	84.1	83.4	82.4	81.1	79.5	77.6	75.5	73.0	70.3	65.5	60.5	55.6	50.7	46.1	41.9	38.2	35.1	32.9
125	94.1	93.6	92.7	91.6	90.2	88.5	86.5	84.2	81.6	78.7	73.7	68.4	63.2	58.1	53.2	48.8	44.9	41.7	39.3
130	103	102	101	99.6	97.8	95.8	93.6	91.0	88.2	85.2	80.0	74.8	69.5	64.4	59.6	55.1	51.2	48.0	45.6
135	110	109	107	105	103	101	98.3	95.6	92.7	89.5	84.5	79.4	74.4	69.5	64.9	60.7	57.0	54.0	51.7
140	114	112	110	108	106	103	101	97.8	94.9	91.8	87.2	82.6	78.0	73.6	69.4	65.7	62.4	59.6	57.6
145	114	112	110	108	105	103	101	98.1	95.4	92.6	88.6	84.6	80.6	76.8	73.3	70.0	67.2	64.9	63.1
150	110	108	107	105	103	101	98.8	96.7	94.5	92.2	89.0	85.7	82.5	79.4	76.5	73.9	71.6	69.6	68.2
155	104	103	102	100	99.0	97.6	96.1	94.5	92.8	91.1	88.7	86.2	83.7	81.4	79.2	77.1	75.3	73.8	72.7
160	98.0	97.3	96.5	95.7	94.8	93.8	92.8	91.8	90.7	89.5	87.8	86.1	84.4	82.7	81.2	79.7	78.4	77.3	76.5
165	92.0	91.7	91.4	91.0	90.6	90.1	89.6	89.0	88.4	87.7	86.7	85.6	84.6	83.5	82.5	81.6	80.8	80.1	79.5
170	87.1	87.1	87.1	87.1	87.0	86.8	86.6	86.4	86.2	85.9	85.4	84.9	84.4	83.8	83.3	82.8	82.4	81.9	81.6
175	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.3	84.2	84.0	83.8	83.7	83.5	83.3	83.1	82.9	82.8
180	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	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	783	783	783	783	782	782	782	782	783	783	783	783	783	783	784	784	784	784	784
5	782	782	782	782	782	782	781	781	781	781	780	780	780	780	779	779	779	778	778
10	777	777	776	776	775	775	774	773	773	772	771	771	770	769	768	768	767	766	766
15	762	762	761	761	761	760	759	759	758	757	756	754	753	752	750	749	748	747	746
20	737	737	736	736	736	735	735	734	733	731	730	728	726	724	722	720	719	717	716
25	675	677	680	682	685	688	690	692	694	692	690	688	685	683	680	677	674	672	671
30	589	593	598	603	608	614	619	624	628	626	624	622	619	616	613	609	606	604	604
35	455	463	473	483	493	503	513	522	530	527	522	517	511	504	498	492	486	481	486
40	248	267	288	311	334	357	379	398	415	404	389	372	354	335	317	299	283	270	283
45	108	127	147	168	190	211	231	249	264	254	241	226	209	192	174	158	143	131	143
50	29.5	37.9	47.2	57.0	66.8	76.4	85.4	93.3	99.8	94.2	87.3	79.3	70.7	61.9	53.2	45.1	37.9	32.1	38.6
55	7.56	11.3	15.3	19.5	23.7	27.8	31.5	34.7	37.3	34.4	30.9	27.0	22.8	18.4	14.2	10.3	6.75	3.88	6.64
60	3.76	4.75	5.80	6.86	7.90	8.89	9.77	10.5	11.1	10.3	9.31	8.22	7.04	5.84	4.64	3.51	2.48	1.61	2.09
65	2.19	2.19	2.18	2.17	2.15	2.12	2.09	2.04	1.99	1.90	1.80	1.70	1.60	1.49	1.39	1.30	1.21	1.13	1.11
70	1.63	1.62	1.61	1.59	1.57	1.54	1.51	1.47	1.43	1.36	1.29	1.22	1.15	1.08	1.01	0.95	0.89	0.84	0.84
75	1.17	1.17	1.17	1.16	1.15	1.13	1.11	1.09	1.06	1.01	0.95	0.89	0.83	0.77	0.71	0.66	0.61	0.57	0.58
80	0.80	0.80	0.80	0.80	0.80	0.79	0.78	0.76	0.74	0.70	0.65	0.60	0.55	0.50	0.46	0.42	0.38	0.35	0.36
85	0.52	0.52	0.53	0.53	0.53	0.53	0.52	0.51	0.50	0.46	0.42	0.38	0.34	0.30	0.26	0.22	0.19	0.16	0.18
90	0.46	0.99	1.54	2.12	2.69	3.25	3.76	4.22	4.60	4.43	4.17	3.85	3.49	3.09	2.67	2.26	1.86	1.49	1.51
95	3.61	5.56	7.74	10.1	12.5	14.8	17.1	19.2	21.1	20.8	20.2	19.5	18.5	17.4	16.3	15.1	14.0	12.9	13.3
100	9.54	11.9	14.7	17.7	21.0	24.3	27.7	31.0	34.0	35.0	35.8	36.2	36.5	36.5	36.4	36.1	35.7	35.2	35.3
105	15.7	18.1	21.1	24.5	28.1	31.9	35.8	39.6	43.3	45.5	47.4	49.1	50.5	51.7	52.6	53.2	53.5	53.5	53.0
110	22.2	25.0	28.3	32.1	36.1	40.4	44.7	49.0	53.1	55.4	57.4	59.2	60.6	61.8	62.6	63.2	63.4	63.4	62.9
115	28.7	31.7	35.4	39.4	43.9	48.5	53.3	58.0	62.5	65.0	67.1	69.0	70.5	71.8	72.7	73.3	73.5	73.5	73.0
120	35.2	38.3	42.0	46.3	51.0	55.9	60.9	65.8	70.6	73.4	75.9	78.0	79.9	81.3	82.5	83.3	83.7	83.7	83.1
125	41.5	44.6	48.4	52.7	57.4	62.4	67.5	72.6	77.6	80.6	83.4	85.9	88.0	89.8	91.2	92.2	92.8	92.9	92.1
130	47.6	50.5	54.1	58.2	62.7	67.6	72.5	77.6	82.5	85.9	89.0	91.8	94.3	96.5	98.2	99.6	100	101	99.8
135	53.5	56.0	59.2	62.9	67.0	71.4	76.1	80.8	85.5	89.1	92.5	95.7	98.6	101	103	105	106	107	105
140	59.0	61.1	63.8	67.0	70.5	74.4	78.5	82.7	86.9	90.5	94.0	97.3	100	103	105	107	109	109	108
145	64.2	65.8	68.0	70.6	73.5	76.7	80.1	83.6	87.2	90.5	93.6	96.7	99.5	102	104	106	107	108	107
150	68.9	70.1	71.8	73.8	76.0	78.5	81.2	83.9	86.7	89.4	91.9	94.4	96.7	98.8	101	102	103	104	103
155	73.2	74.0	75.2	76.6	78.2	80.0	81.9	83.9	85.9	87.8	89.7	91.5	93.1	94.6	95.9	97.0	97.8	98.2	97.2
160	76.7	77.3	78.0	78.9	79.9	81.1	82.3	83.6	84.9	86.2	87.3	88.5	89.5	90.5	91.3	91.9	92.4	92.7	92.0
165	79.6	79.9	80.2	80.7	81.3	81.9	82.6	83.3	84.1	84.7	85.4	85.9	86.5	87.0	87.4	87.7	87.9	88.0	87.6
170	81.6	81.7	81.8	82.0	82.3	82.5	82.8	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.5	84.6	84.6	84.7	84.4
175	82.8	82.7	82.7	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.8	82.8	82.8
180	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm		
NAME: 1FT	TYPE:4000K 1.9	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	784	784	784	784	784	784	784	783	783	783	783	783	783	783	783	783	783	783	783
5	778	778	777	777	777	777	777	776	776	776	776	776	776	777	777	777	777	777	777
10	765	765	764	764	764	763	763	763	763	764	764	764	765	765	765	766	766	766	766
15	745	744	744	744	743	743	743	743	744	744	745	746	747	747	748	749	749	749	749
20	716	715	715	715	715	715	715	715	716	717	718	720	721	722	723	724	724	724	723
25	671	671	671	671	672	672	673	674	675	677	678	679	680	681	682	683	684	683	682
30	605	606	607	609	611	612	614	616	616	616	616	616	616	616	616	615	615	614	613
35	491	497	503	510	516	522	527	530	526	520	513	506	499	492	485	478	473	476	480
40	298	316	334	353	371	388	403	414	400	383	363	343	322	301	281	263	249	259	272
45	157	173	190	207	223	238	251	261	246	229	210	189	168	147	126	108	92.0	97.5	106
50	46.5	55.2	64.5	73.8	82.8	91.1	98.3	104	96.8	88.1	78.3	67.7	56.8	45.9	35.5	25.9	17.6	20.2	24.1
55	10.0	13.9	18.0	22.2	26.3	30.2	33.6	36.3	33.7	30.5	26.8	22.7	18.4	14.2	9.99	6.12	2.70	3.42	4.64
60	2.73	3.49	4.33	5.20	6.08	6.91	7.66	8.28	7.83	7.24	6.54	5.77	4.95	4.12	3.29	2.50	1.77	1.72	1.75
65	1.10	1.10	1.11	1.13	1.15	1.18	1.21	1.24	1.26	1.29	1.31	1.34	1.36	1.38	1.40	1.41	1.42	1.41	1.39
70	0.84	0.86	0.87	0.90	0.93	0.96	0.99	1.02	1.05	1.07	1.09	1.11	1.13	1.15	1.16	1.17	1.18	1.16	1.15
75	0.59	0.61	0.64	0.67	0.71	0.74	0.78	0.82	0.84	0.86	0.88	0.90	0.92	0.93	0.94	0.95	0.95	0.94	0.93
80	0.38	0.40	0.43	0.46	0.50	0.54	0.57	0.61	0.63	0.66	0.68	0.70	0.71	0.72	0.73	0.74	0.74	0.73	0.72
85	0.20	0.23	0.26	0.30	0.33	0.37	0.41	0.44	0.46	0.48	0.49	0.51	0.52	0.52	0.53	0.53	0.53	0.52	0.51
90	1.57	1.66	1.76	1.88	1.99	2.10	2.19	2.25	2.05	1.81	1.56	1.29	1.01	0.74	0.47	0.23	0.00	0.02	0.05
95	13.8	14.4	15.0	15.5	16.0	16.4	16.6	16.6	14.9	13.1	11.1	9.08	7.08	5.14	3.34	1.74	0.40	0.90	1.67
100	35.3	35.1	34.8	34.4	33.8	33.0	32.0	30.7	27.6	24.3	20.9	17.6	14.4	11.4	8.66	6.36	4.56	5.83	7.61
105	52.2	51.1	49.7	48.2	46.3	44.3	42.0	39.5	35.7	31.7	27.8	24.0	20.4	17.1	14.2	11.8	9.93	11.3	13.3
110	62.1	61.0	59.6	58.0	56.1	53.9	51.5	48.9	44.6	40.3	35.9	31.7	27.6	23.9	20.7	17.9	15.9	17.5	19.8
115	72.1	71.0	69.5	67.8	65.7	63.4	60.8	58.0	53.3	48.6	43.8	39.1	34.7	30.7	27.1	24.2	22.0	23.8	26.4
120	82.0	80.7	79.0	76.9	74.6	72.0	69.1	65.9	61.0	55.9	50.8	45.9	41.3	37.0	33.3	30.2	28.0	30.0	32.9
125	90.9	89.3	87.3	84.9	82.3	79.3	76.1	72.6	67.5	62.3	57.1	52.1	47.4	43.1	39.4	36.3	34.1	36.3	39.3
130	98.3	96.3	93.9	91.2	88.1	84.8	81.2	77.4	72.4	67.2	62.2	57.4	52.9	48.8	45.3	42.5	40.5	42.6	45.6
135	104	101	98.5	95.4	91.9	88.2	84.3	80.3	75.5	70.7	66.1	61.7	57.6	54.0	50.9	48.4	46.7	48.7	51.5
140	106	103	100	97.1	93.6	89.8	85.8	81.8	77.5	73.3	69.2	65.4	61.8	58.7	56.2	54.1	52.8	54.6	57.0
145	105	102	99.5	96.4	93.1	89.6	86.0	82.3	78.7	75.1	71.8	68.6	65.8	63.3	61.2	59.7	58.7	60.2	62.2
150	101	98.8	96.5	93.9	91.1	88.2	85.2	82.3	79.4	76.7	74.1	71.7	69.5	67.7	66.2	65.0	64.4	65.6	67.2
155	96.0	94.4	92.6	90.7	88.6	86.4	84.2	82.0	79.9	78.0	76.1	74.4	72.9	71.6	70.6	69.8	69.4	70.3	71.5
160	91.1	90.0	88.8	87.5	86.1	84.7	83.2	81.7	80.4	79.1	77.9	76.8	75.9	75.0	74.4	73.9	73.7	74.4	75.2
165	87.1	86.4	85.7	85.0	84.2	83.3	82.5	81.6	80.9	80.2	79.5	78.9	78.4	78.0	77.7	77.5	77.4	77.8	78.3
170	84.2	83.9	83.6	83.2	82.9	82.5	82.2	81.8	81.5	81.2	81.0	80.7	80.5	80.4	80.2	80.2	80.2	80.4	80.6
175	82.7	82.7	82.6	82.5	82.5	82.4	82.3	82.3	82.2	82.2	82.1	82.1	82.0	82.0	82.0	82.0	82.0	82.1	82.1
180	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.3V I:0.1040A P:12.30W PF:0.9900 Freq:60.00Hz Lamp Flux:1414.95x1 lm																	
NAME: 1FT									TYPE:4000K 1.9						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	783	783	782	782	782	782	783	783	783	783	783	783	783	784	784				
5	777	777	777	777	777	777	778	778	778	779	779	780	781	781	782				
10	766	766	765	765	765	766	766	766	767	768	769	770	771	772	774				
15	749	748	748	748	747	747	747	748	749	749	750	752	753	754	756				
20	722	722	721	720	719	719	718	719	719	720	721	722	724	725	727				
25	681	680	679	677	676	675	674	674	674	675	675	676	677	679	680				
30	613	612	611	610	610	609	608	608	608	608	609	609	609	610	610				
35	485	490	495	500	505	509	513	512	511	508	504	499	494	487	479				
40	287	304	321	338	355	369	382	381	377	370	360	346	330	310	288				
45	116	128	141	154	167	179	189	190	189	186	180	173	164	153	139				
50	29.1	34.9	41.1	47.6	53.9	59.7	64.9	65.2	64.4	62.7	59.9	56.2	51.4	45.7	38.9				
55	6.25	8.13	10.2	12.3	14.4	16.3	18.0	17.8	17.3	16.4	15.1	13.5	11.5	9.12	6.38				
60	1.85	2.00	2.19	2.40	2.62	2.84	3.04	3.02	2.96	2.87	2.75	2.59	2.40	2.18	1.92				
65	1.37	1.34	1.31	1.29	1.26	1.23	1.20	1.19	1.18	1.17	1.17	1.16	1.16	1.16	1.17				
70	1.13	1.11	1.08	1.06	1.03	1.01	0.98	0.97	0.95	0.94	0.93	0.91	0.90	0.89	0.88				
75	0.92	0.90	0.88	0.85	0.83	0.81	0.78	0.76	0.74	0.72	0.70	0.68	0.65	0.63	0.61				
80	0.71	0.69	0.67	0.65	0.63	0.60	0.58	0.56	0.54	0.51	0.49	0.46	0.44	0.41	0.39				
85	0.50	0.49	0.47	0.46	0.44	0.42	0.40	0.37	0.35	0.33	0.31	0.28	0.26	0.23	0.20				
90	0.08	0.12	0.15	0.19	0.22	0.25	0.30	0.41	0.54	0.69	0.84	1.02	1.21	1.41	1.64				
95	2.67	3.84	5.15	6.54	7.97	9.37	10.7	11.3	11.7	12.1	12.3	12.4	12.4	12.3	12.0				
100	9.80	12.3	15.1	18.0	20.9	23.9	26.7	28.1	29.3	30.3	31.0	31.6	31.9	32.1	32.0				
105	15.8	18.7	22.0	25.4	29.1	32.7	36.4	38.7	40.9	43.0	44.9	46.8	48.5	50.0	51.5				
110	22.6	25.9	29.6	33.5	37.6	41.8	45.9	48.5	50.9	53.1	55.2	57.2	59.0	60.6	62.1				
115	29.7	33.4	37.6	42.0	46.6	51.2	55.7	58.5	61.1	63.5	65.7	67.8	69.6	71.2	72.7				
120	36.4	40.4	44.9	49.7	54.6	59.6	64.5	67.6	70.4	73.0	75.4	77.7	79.7	81.5	83.1				
125	43.0	47.3	52.0	56.9	62.1	67.4	72.5	75.7	78.7	81.6	84.2	86.6	88.8	90.7	92.5				
130	49.2	53.4	58.1	63.1	68.2	73.5	78.7	82.1	85.3	88.4	91.3	94.0	96.5	98.9	101				
135	54.9	58.8	63.2	67.9	72.8	77.8	82.8	86.3	89.7	93.0	96.1	99.2	102	105	108				
140	60.0	63.5	67.4	71.6	76.1	80.7	85.3	88.7	92.0	95.3	98.6	102	105	108	111				
145	64.8	67.7	71.0	74.6	78.4	82.4	86.4	89.4	92.5	95.6	98.6	102	105	108	111				
150	69.2	71.6	74.2	77.1	80.1	83.3	86.5	89.1	91.6	94.2	96.8	99.4	102	105	107				
155	73.0	74.8	76.8	78.9	81.2	83.6	86.0	87.9	89.9	91.9	93.9	95.9	97.9	100.0	102				
160	76.3	77.5	78.8	80.3	81.8	83.5	85.1	86.5	87.9	89.3	90.7	92.1	93.5	95.0	96.5				
165	78.9	79.7	80.5	81.3	82.3	83.3	84.2	85.1	85.9	86.7	87.6	88.4	89.3	90.2	91.1				
170	80.9	81.3	81.7	82.1	82.5	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.3	86.7				
175	82.2	82.3	82.4	82.5	82.7	82.8	82.9	83.0	83.1	83.2	83.4	83.5	83.6	83.7	83.9				
180	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6				

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: