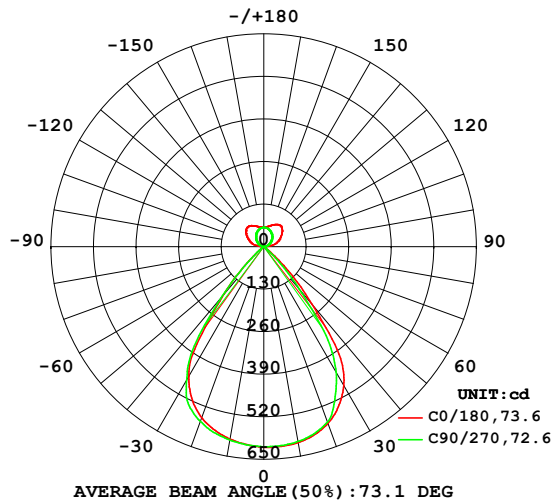


LUMINAIRE PHOTOMETRIC TEST REPORT

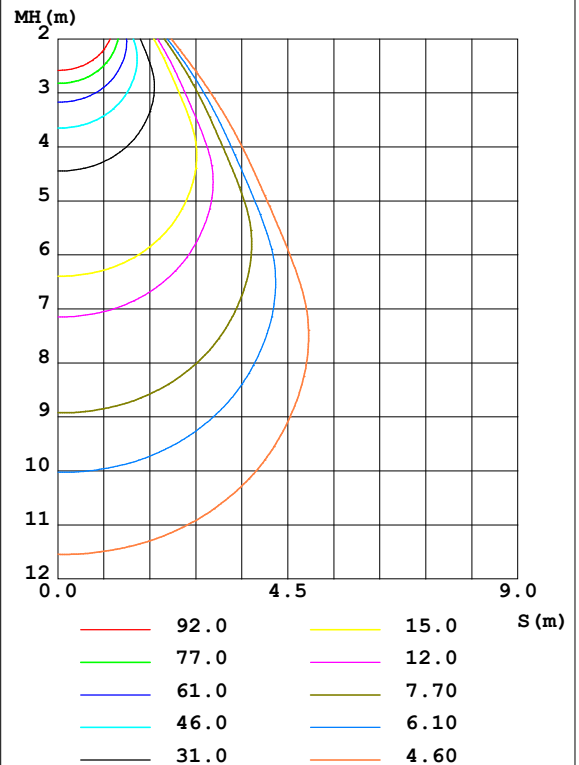
Test:U:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.87 lm/W			
MODEL		Imax(cd)	613.5	S/MH(C0/180)	1.09
NOMINAL POWER(W)	9W	LOR(%)	100.0	S/MH(C90/270)	1.07
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1079.7	η UP,DN(C0-180)	11.8,38.0
NOMINAL FLUX(lm)	1079.68	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.7,38.6
LAMPS INSIDE	1	η up(%)	23.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	76.5	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:

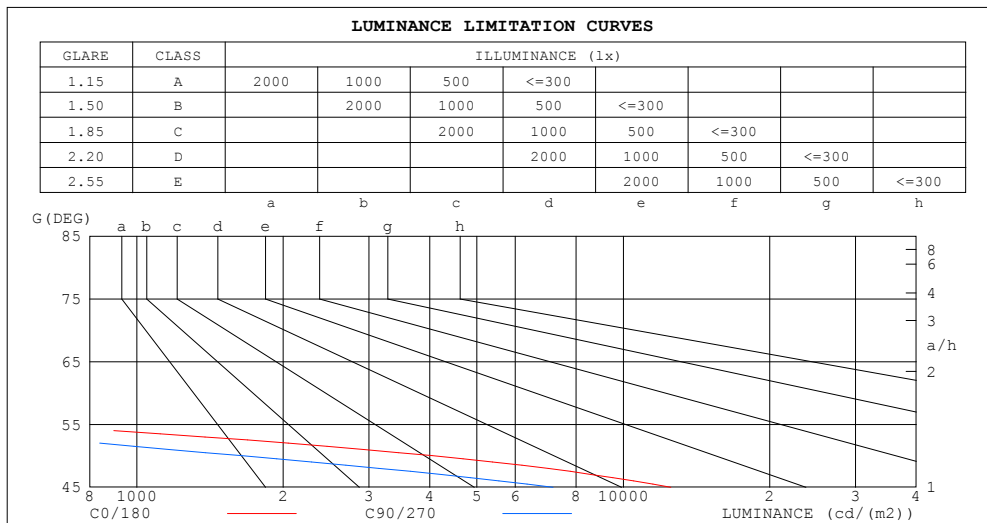
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	607.8	607.0	604.4	600.9	597.0	596.6	599.7	600.8	0- 10	57.90	57.90	5.36,5.36
20	574.4	574.3	570.4	565.8	556.0	558.9	568.0	567.6	10- 20	165.9	223.8	20.7,20.7
30	489.3	487.1	442.3	486.1	459.3	478.7	472.1	487.4	20- 30	243.0	466.7	43.2,43.2
40	228.8	302.1	170.3	308.3	190.3	320.2	196.4	311.6	30- 40	234.5	701.2	64.9,64.9
50	33.77	69.20	13.70	55.84	18.01	74.94	18.57	63.94	40- 50	107.0	808.3	74.9,74.9
60	1.473	5.117	2.297	5.043	1.389	5.984	2.409	4.775	50- 60	14.80	823.1	76.2,76.2
70	0.8626	1.130	1.355	1.295	0.7502	1.185	1.539	1.129	60- 70	1.721	824.8	76.4,76.4
80	0.4703	0.6851	0.6545	0.7383	0.3945	0.6929	0.8930	0.6929	70- 80	0.9414	825.7	76.5,76.5
90	1.826	0.5332	0	1.327	0.6939	2.829	0.0000	1.579	80- 90	0.5813	826.3	76.5,76.5
100	24.69	20.94	4.404	22.25	22.57	23.24	4.215	21.45	90-100	9.465	835.8	77.4,77.4
110	46.19	34.97	12.94	35.38	44.39	36.38	12.48	34.92	100-110	26.91	862.7	79.9,79.9
120	61.27	48.80	21.93	48.01	58.87	48.88	21.31	48.10	110-120	38.09	900.8	83.4,83.4
130	74.53	59.35	30.95	56.84	71.47	57.24	30.29	57.69	120-130	44.64	945.4	87.6,87.6
140	82.10	64.11	39.57	60.49	78.06	60.22	39.02	61.86	130-140	44.75	990.1	91.7,91.7
150	78.48	64.56	47.30	60.85	74.50	60.12	47.10	62.33	140-150	38.48	1029	95.3,95.3
160	69.65	62.86	53.55	60.01	66.62	59.27	53.41	61.11	150-160	28.35	1057	97.9,97.9
170	62.11	60.71	57.67	59.23	60.72	58.81	57.66	59.71	160-170	17.05	1074	99.5,99.5
180	58.21	58.21	58.21	58.21	58.21	58.21	58.21	58.21	170-180	5.663	1080	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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



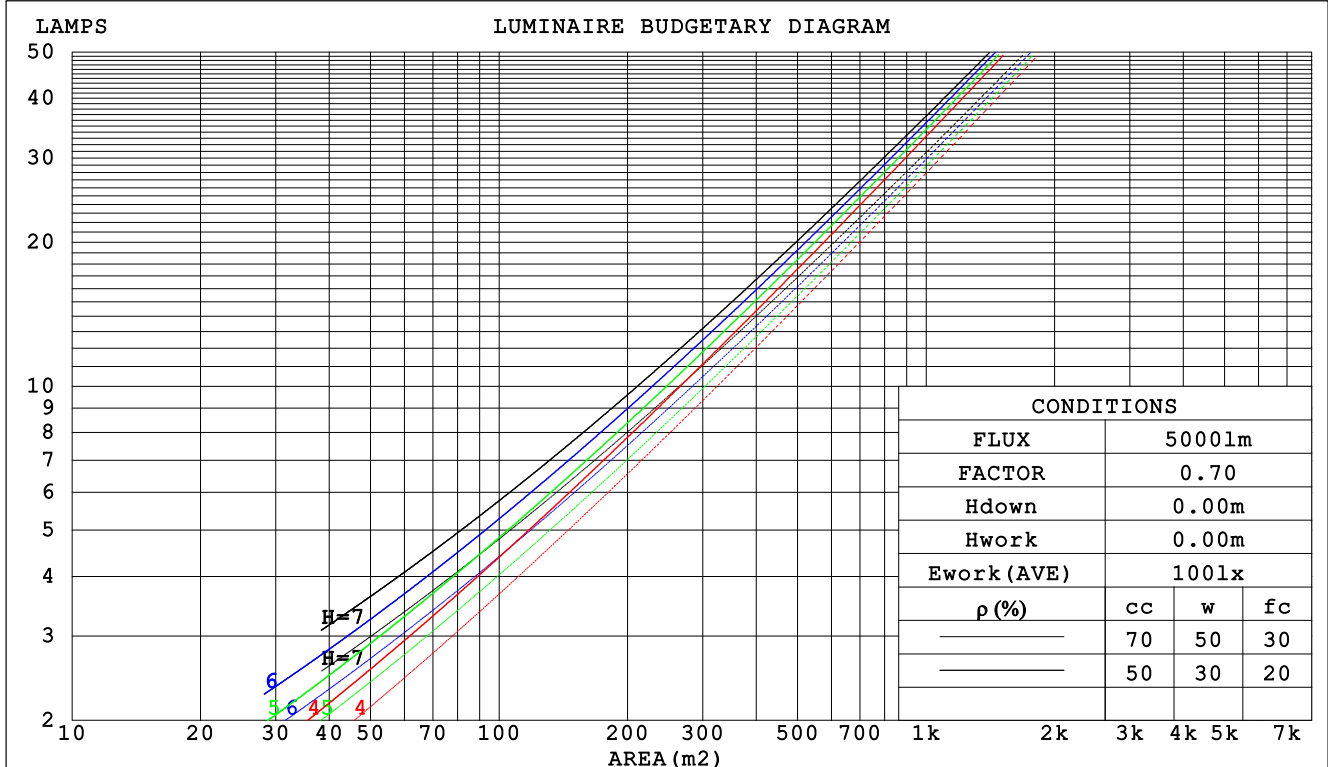
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	.98	.98	.98	.89	.89	.89	.80	.80	.80	.77
1.0	1.04	1.01	.98	.99	.97	.94	.91	.89	.87	.83	.82	.80	.76	.75	.74	.71
2.0	.94	.90	.86	.91	.87	.83	.84	.80	.78	.77	.75	.73	.71	.69	.68	.65
3.0	.86	.81	.76	.83	.78	.74	.77	.73	.70	.72	.68	.66	.66	.64	.62	.59
4.0	.79	.73	.68	.76	.71	.66	.71	.67	.63	.66	.63	.60	.62	.59	.57	.54
5.0	.73	.66	.61	.70	.64	.60	.66	.61	.57	.62	.58	.54	.58	.54	.52	.50
6.0	.67	.60	.55	.65	.59	.54	.61	.56	.52	.57	.53	.50	.54	.50	.48	.46
7.0	.62	.55	.50	.60	.54	.49	.57	.51	.48	.53	.49	.46	.50	.47	.44	.42
8.0	.57	.51	.46	.56	.50	.45	.53	.47	.44	.50	.45	.42	.47	.43	.41	.39
9.0	.53	.47	.42	.52	.46	.42	.49	.44	.40	.47	.42	.39	.44	.40	.38	.36
10.0	.50	.43	.39	.48	.42	.38	.46	.41	.37	.44	.39	.36	.41	.38	.35	.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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	.208	.118	.038	.194	.111	.035	.168	.097	.031	.144	.083	.027	.122	.071	.023		
2.0	.199	.109	.033	.186	.103	.032	.163	.091	.028	.142	.080	.025	.122	.069	.022		
3.0	.189	.100	.030	.178	.095	.029	.157	.085	.026	.137	.075	.023	.120	.066	.020		
4.0	.179	.093	.027	.169	.088	.026	.150	.080	.024	.133	.071	.021	.116	.063	.019		
5.0	.170	.087	.025	.161	.082	.024	.143	.075	.022	.127	.067	.020	.112	.060	.018		
6.0	.161	.081	.023	.153	.077	.022	.137	.070	.020	.122	.064	.019	.109	.057	.017		
7.0	.153	.076	.021	.146	.073	.021	.131	.066	.019	.118	.060	.018	.105	.054	.016		
8.0	.146	.071	.020	.139	.068	.019	.125	.063	.018	.113	.057	.016	.101	.052	.015		
9.0	.139	.067	.019	.132	.065	.018	.120	.059	.017	.108	.054	.016	.097	.049	.014		
10.0	.133	.064	.018	.127	.061	.017	.115	.056	.016	.104	.052	.015	.094	.047	.014		

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	.369	.369	.369	.316	.316	.316	.215	.215	.215	.124	.124	.124	.040	.040	.040	
1.0	.354	.337	.323	.303	.290	.278	.207	.199	.192	.119	.115	.112	.038	.037	.036	
2.0	.341	.314	.291	.292	.270	.251	.200	.187	.175	.116	.109	.103	.037	.035	.033	
3.0	.331	.296	.268	.284	.256	.233	.195	.178	.163	.113	.104	.096	.036	.034	.031	
4.0	.323	.283	.252	.277	.244	.219	.190	.170	.154	.110	.100	.091	.035	.032	.030	
5.0	.315	.272	.240	.271	.235	.209	.187	.164	.147	.108	.097	.087	.035	.032	.029	
6.0	.309	.264	.231	.266	.228	.201	.183	.160	.142	.106	.094	.085	.034	.031	.028	
7.0	.303	.257	.224	.261	.223	.196	.180	.156	.139	.105	.092	.082	.034	.030	.027	
8.0	.298	.251	.219	.256	.218	.191	.177	.153	.135	.103	.090	.081	.033	.030	.027	
9.0	.293	.246	.215	.252	.214	.187	.175	.150	.133	.102	.089	.079	.033	.029	.026	
10.0	.288	.242	.212	.249	.210	.185	.173	.148	.131	.101	.088	.078	.033	.029	.026	

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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	17.5	18.4	18.0	18.9	19.5	16.2	17.2	16.8	17.7	18.3
3H	17.2	18.0	17.8	18.6	19.2	16.0	16.8	16.6	17.4	18.0
4H	17.1	17.8	17.7	18.4	19.1	15.9	16.6	16.5	17.2	17.9
6H	16.9	17.7	17.6	18.3	18.9	15.7	16.4	16.4	17.0	17.7
8H	16.9	17.6	17.5	18.2	18.9	15.7	16.3	16.3	17.0	17.7
12H	16.8	17.5	17.5	18.1	18.8	15.6	16.2	16.2	16.9	17.6
4H 2H	17.1	17.9	17.7	18.4	19.1	15.9	16.6	16.5	17.2	17.9
3H	16.8	17.5	17.5	18.1	18.8	15.6	16.3	16.3	16.9	17.6
4H	16.7	17.2	17.3	17.9	18.7	15.5	16.0	16.1	16.7	17.5
6H	16.5	17.0	17.2	17.7	18.5	15.3	15.8	16.0	16.5	17.3
8H	16.5	16.9	17.2	17.6	18.4	15.3	15.7	16.0	16.4	17.2
12H	16.4	16.8	17.1	17.5	18.4	15.2	15.6	15.9	16.3	17.2
8H 4H	16.5	16.9	17.2	17.6	18.4	15.3	15.7	16.0	16.4	17.2
6H	16.3	16.7	17.1	17.4	18.3	15.1	15.5	15.9	16.2	17.1
8H	16.2	16.6	17.0	17.3	18.2	15.0	15.4	15.8	16.1	17.0
12H	16.1	16.4	16.9	17.2	18.1	15.0	15.2	15.7	16.0	16.9
12H 4H	16.4	16.8	17.1	17.5	18.4	15.2	15.6	15.9	16.3	17.2
6H	16.2	16.6	17.0	17.3	18.2	15.0	15.4	15.8	16.1	17.0
8H	16.1	16.4	16.9	17.2	18.1	15.0	15.2	15.7	16.0	16.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -18.7					+ 3.0 / -16.6				
1.5H	+ 3.8 / -11.1					+ 3.9 / -14.6				
2.0H	+ 6.8 / -16.0					+ 6.2 / -11.7				

CIE Pub.117 Corrected 1080 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

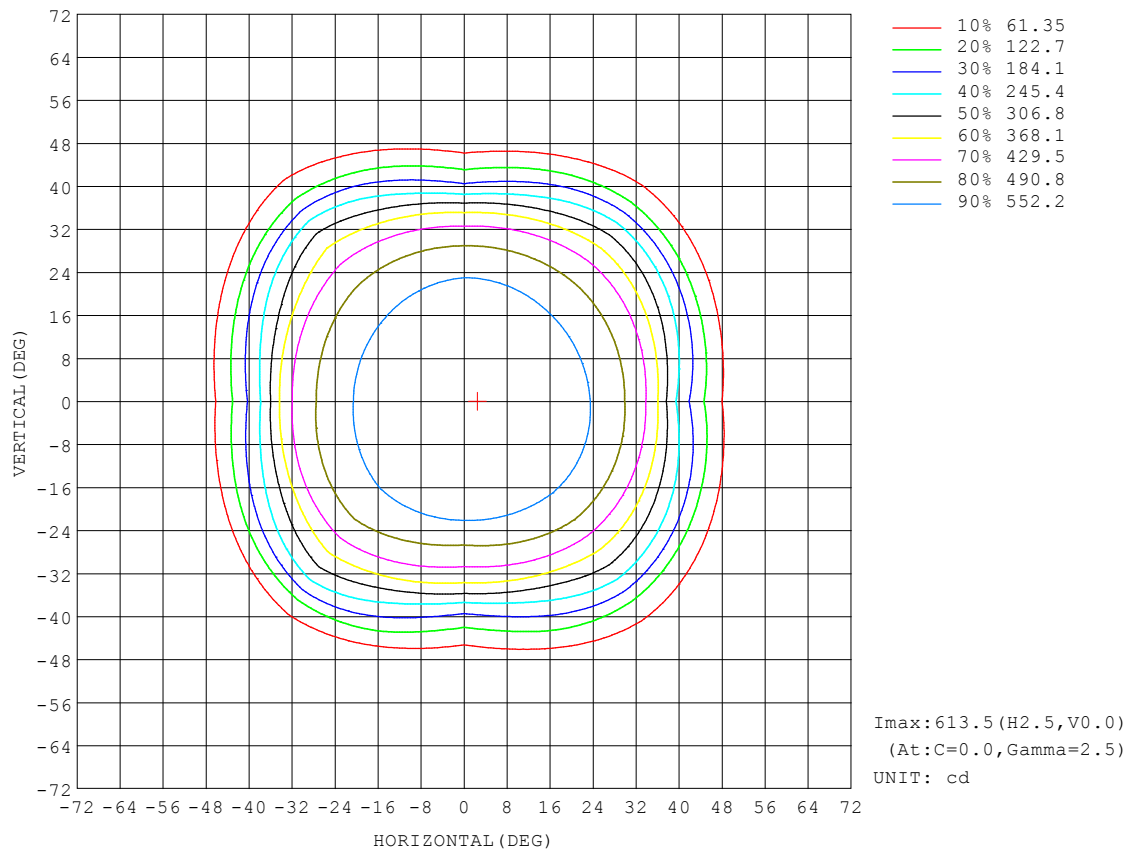
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	62	57	68	61	56	66	59	56	50
0.80	78	70	65	76	69	65	73	67	63	57
1.00	84	76	72	82	75	71	78	73	69	62
1.25	89	82	77	87	80	76	82	77	73	65
1.50	93	86	82	90	84	80	85	80	77	68
2.00	97	91	87	94	89	85	88	84	81	70
2.50	100	94	90	96	92	88	89	86	83	71
3.00	102	97	93	98	94	91	91	88	85	72
4.00	105	101	98	101	97	94	93	90	88	73
5.00	107	103	100	102	99	97	94	92	90	74
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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

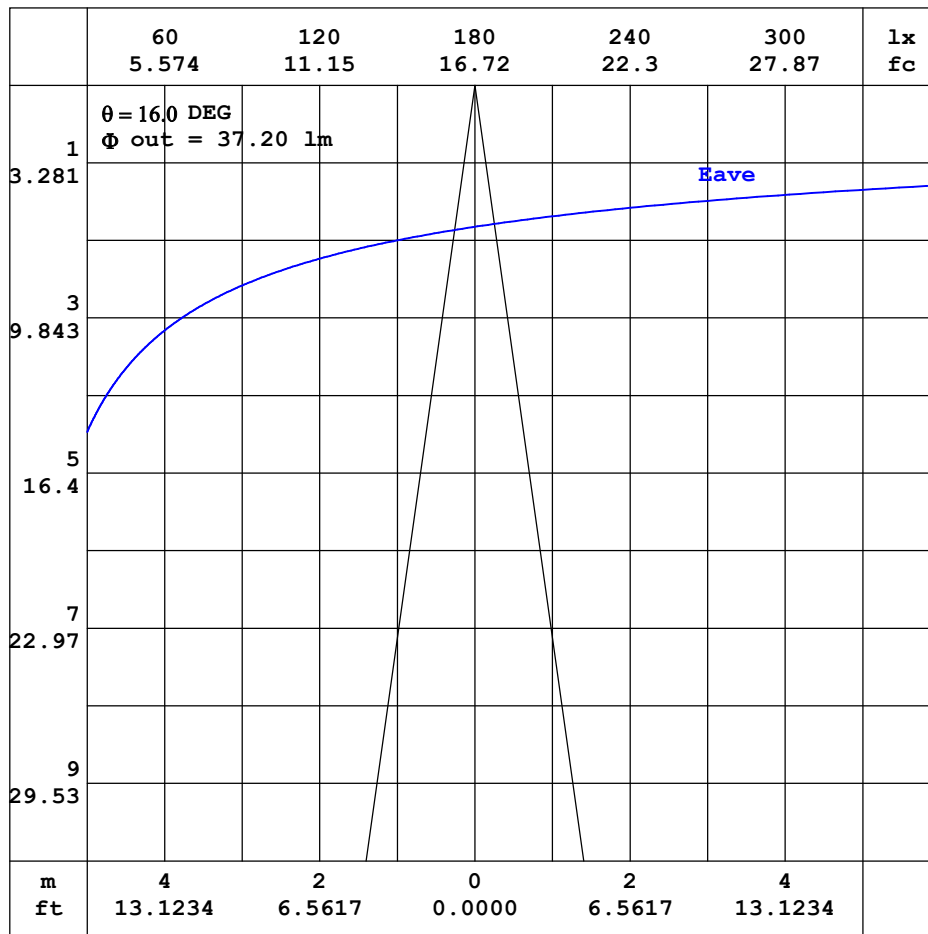


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



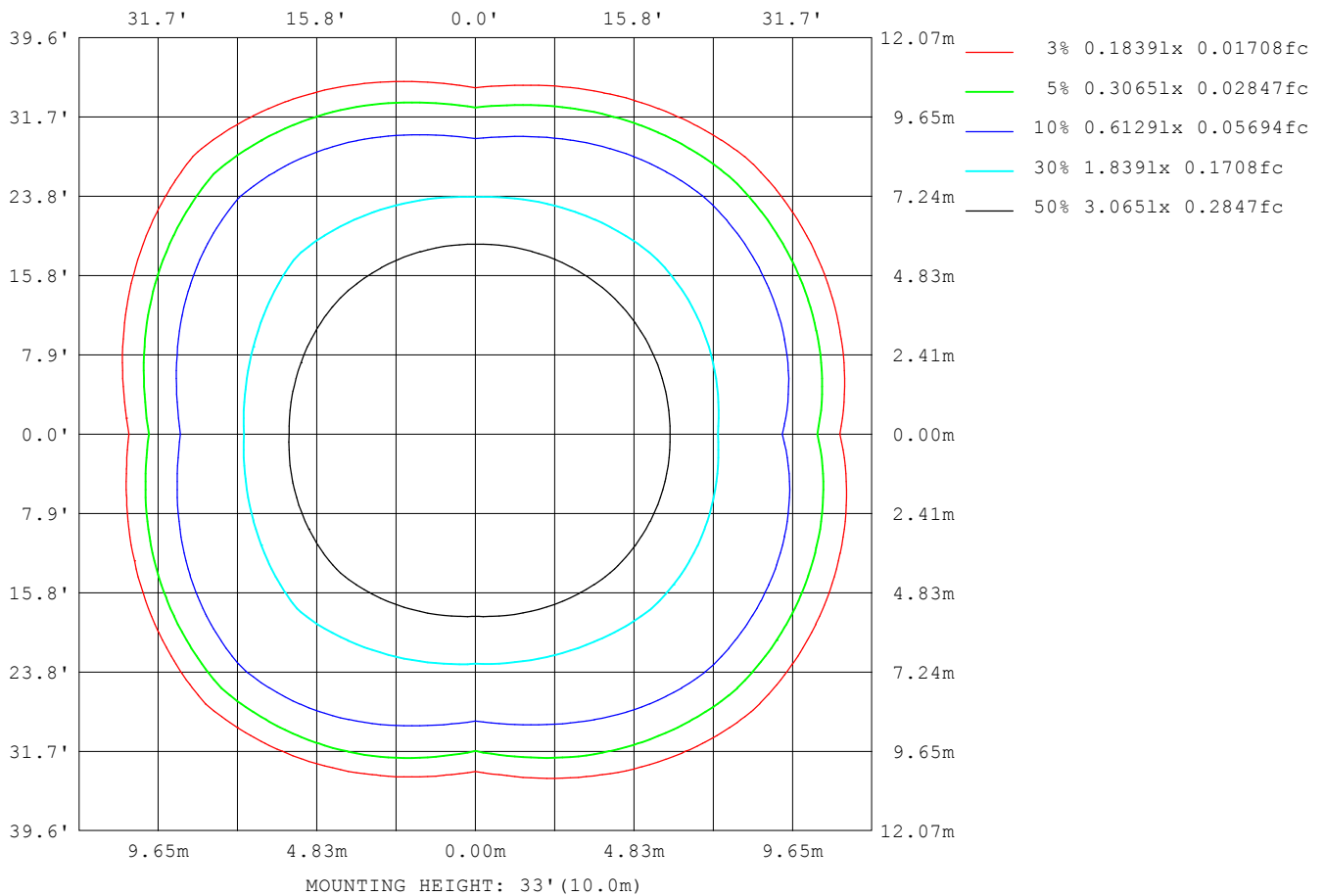
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

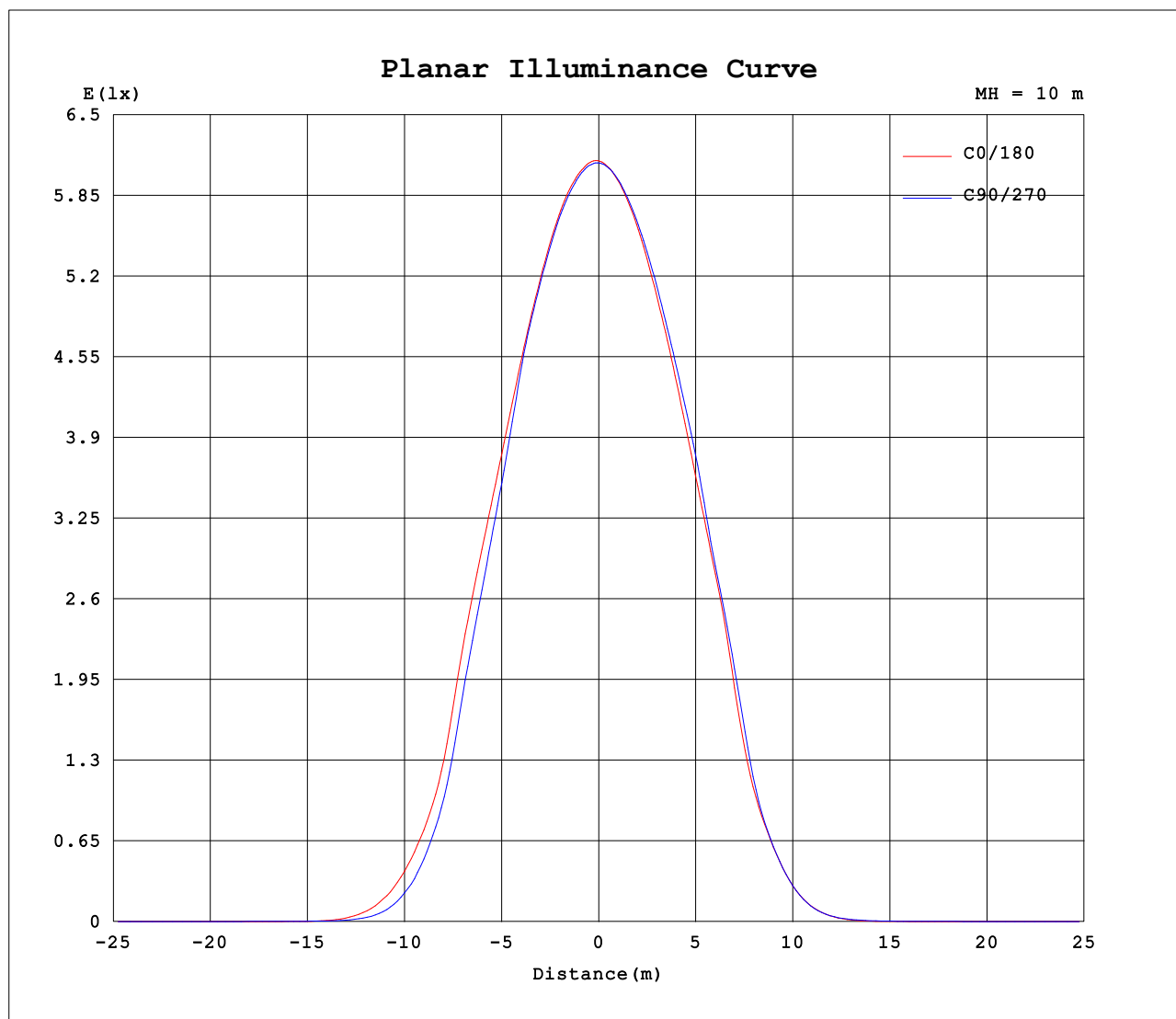
AvgL	cd/m2
L_0~180 (65) av	191
L_0~180 (75) av	176
L_0~180 (85) av	260
L_90~270 (65) av	334
L_90~270 (75) av	320
L_90~270 (85) av	477
L_45 (65) av	272
L_45 (75) av	272
L_45 (85) av	483

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:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	613	613	613	612	612	612	612	612	612	612	612	612	611	611	611	611	611	611	611
5	612	612	612	612	612	612	612	612	612	612	612	611	611	611	611	611	611	610	610
10	608	608	608	608	608	608	607	607	607	607	607	607	606	606	606	605	605	605	604
15	596	596	596	596	596	596	596	596	595	595	595	595	594	594	594	593	593	593	592
20	574	575	575	575	575	575	575	575	575	574	574	574	573	573	572	572	571	571	570
25	540	541	542	543	544	544	543	543	542	541	538	535	531	528	525	522	519	516	514
30	489	491	493	493	494	493	493	491	489	487	482	476	470	465	459	454	449	445	442
35	402	405	407	408	409	409	408	406	403	400	392	383	374	366	357	350	343	337	333
40	229	247	263	276	287	295	301	304	304	302	289	274	258	241	224	208	193	180	170
45	115	132	146	158	168	175	181	184	184	183	171	158	144	129	114	99.7	86.5	75.0	65.9
50	33.8	42.2	49.5	55.7	60.7	64.7	67.5	69.2	69.8	69.2	64.1	58.1	51.5	44.6	37.5	30.7	24.2	18.5	13.7
55	4.27	8.36	12.0	15.1	17.7	19.9	21.5	22.7	23.3	23.5	21.8	19.8	17.4	14.9	12.3	9.68	7.22	4.99	3.09
60	1.47	2.20	2.84	3.41	3.89	4.30	4.62	4.87	5.03	5.12	4.90	4.63	4.30	3.95	3.58	3.21	2.87	2.56	2.30
65	1.10	1.14	1.17	1.21	1.25	1.28	1.32	1.36	1.40	1.43	1.48	1.52	1.57	1.61	1.65	1.69	1.72	1.75	1.77
70	0.86	0.89	0.93	0.96	0.99	1.02	1.05	1.07	1.10	1.13	1.16	1.19	1.22	1.25	1.28	1.30	1.32	1.34	1.35
75	0.64	0.67	0.71	0.74	0.77	0.79	0.82	0.84	0.86	0.88	0.90	0.91	0.92	0.93	0.94	0.95	0.95	0.96	0.96
80	0.47	0.51	0.54	0.57	0.60	0.62	0.64	0.66	0.67	0.69	0.69	0.69	0.68	0.68	0.68	0.67	0.66	0.66	0.65
85	0.33	0.37	0.41	0.44	0.47	0.49	0.51	0.53	0.55	0.55	0.55	0.54	0.53	0.52	0.51	0.49	0.48	0.47	0.46
90	1.83	1.64	1.47	1.31	1.16	1.01	0.88	0.75	0.64	0.53	0.44	0.38	0.32	0.26	0.20	0.14	0.08	0.04	0.00
95	9.50	9.79	10.00	10.1	10.1	10.1	9.93	9.69	9.36	8.94	7.97	6.94	5.89	4.86	3.88	2.98	2.20	1.58	1.15
100	24.7	24.9	25.0	24.9	24.6	24.2	23.6	22.9	22.0	20.9	18.9	16.7	14.5	12.4	10.3	8.43	6.77	5.41	4.40
105	38.7	37.9	37.1	36.1	35.0	33.8	32.5	31.1	29.6	28.0	25.4	22.7	20.1	17.5	15.2	13.0	11.1	9.62	8.54
110	46.2	45.5	44.6	43.7	42.5	41.3	39.9	38.4	36.7	35.0	32.0	29.1	26.1	23.2	20.5	18.1	15.9	14.2	12.9
115	53.8	53.2	52.4	51.5	50.4	49.1	47.7	46.1	44.3	42.4	39.1	35.8	32.4	29.2	26.1	23.3	20.9	18.9	17.4
120	61.3	60.6	59.7	58.7	57.5	56.1	54.6	52.8	50.9	48.8	45.3	41.7	38.1	34.6	31.3	28.3	25.7	23.5	21.9
125	68.1	67.4	66.4	65.3	64.0	62.5	60.9	59.0	57.0	54.7	51.1	47.3	43.5	39.9	36.4	33.2	30.5	28.2	26.5
130	74.5	73.5	72.3	70.9	69.4	67.7	65.9	63.9	61.7	59.3	55.6	51.8	48.0	44.3	40.9	37.7	34.9	32.7	30.9
135	79.5	78.1	76.6	74.9	73.2	71.3	69.2	67.1	64.8	62.4	58.8	55.1	51.5	48.0	44.7	41.7	39.1	37.0	35.3
140	82.1	80.4	78.7	76.8	74.9	72.9	70.8	68.7	66.4	64.1	60.8	57.4	54.1	50.9	48.0	45.3	42.9	41.0	39.6
145	81.6	79.9	78.2	76.4	74.6	72.7	70.8	68.8	66.8	64.7	61.8	58.9	56.0	53.3	50.8	48.5	46.5	44.8	43.6
150	78.5	77.1	75.7	74.2	72.7	71.2	69.6	67.9	66.3	64.6	62.2	59.8	57.5	55.3	53.2	51.3	49.7	48.3	47.3
155	74.2	73.2	72.1	71.0	69.9	68.8	67.6	66.4	65.1	63.9	62.1	60.3	58.5	56.8	55.2	53.8	52.5	51.5	50.6
160	69.6	69.0	68.4	67.7	66.9	66.2	65.4	64.6	63.7	62.9	61.6	60.4	59.1	57.9	56.8	55.8	54.9	54.1	53.5
165	65.5	65.2	64.8	64.5	64.1	63.7	63.2	62.8	62.3	61.8	61.0	60.2	59.5	58.7	58.0	57.4	56.8	56.3	55.9
170	62.1	62.0	61.9	61.8	61.7	61.5	61.4	61.2	60.9	60.7	60.3	60.0	59.6	59.2	58.8	58.5	58.2	57.9	57.7
175	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.9	59.8	59.7	59.6	59.5	59.3	59.2	59.1	59.0	58.8	58.7
180	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	611	611	611	611	611	611	611	611	611	611	611	612	612	612	612	613	613	613	613
5	610	610	610	609	609	609	609	609	609	608	608	608	608	608	607	607	607	607	607
10	604	604	603	603	603	602	602	601	601	600	600	599	599	599	598	598	597	597	597
15	592	591	591	590	590	589	589	588	587	587	586	585	584	583	582	582	581	580	580
20	570	570	569	569	568	568	567	567	566	565	563	562	561	560	559	558	557	556	556
25	516	517	520	522	524	527	529	531	533	532	531	529	527	525	523	521	519	517	517
30	446	450	455	460	466	471	477	482	486	484	482	479	476	472	469	465	462	459	461
35	339	347	356	365	375	384	393	401	408	402	396	388	380	371	363	355	348	343	348
40	182	196	212	230	247	265	281	296	308	299	286	273	258	242	227	213	200	190	202
45	75.3	87.0	100	115	129	144	158	170	180	172	162	150	138	125	112	101	90.4	82.1	91.9
50	16.8	20.9	25.7	30.9	36.4	41.9	47.1	51.9	55.8	52.4	48.2	43.5	38.5	33.5	28.7	24.4	20.7	18.0	23.5
55	4.20	5.65	7.36	9.23	11.2	13.1	14.9	16.6	17.9	16.4	14.6	12.7	10.6	8.58	6.63	4.87	3.39	2.30	4.45
60	2.55	2.85	3.19	3.54	3.90	4.25	4.57	4.84	5.04	4.68	4.27	3.81	3.34	2.87	2.41	2.00	1.66	1.39	1.79
65	1.79	1.80	1.80	1.80	1.79	1.77	1.75	1.72	1.68	1.60	1.52	1.43	1.35	1.26	1.18	1.11	1.05	1.00	1.02
70	1.37	1.37	1.38	1.38	1.37	1.36	1.34	1.32	1.30	1.23	1.16	1.10	1.03	0.96	0.90	0.84	0.79	0.75	0.77
75	0.97	0.98	0.99	1.00	1.00	1.00	1.00	0.99	0.98	0.93	0.88	0.82	0.77	0.71	0.66	0.62	0.58	0.55	0.56
80	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.74	0.74	0.70	0.66	0.62	0.57	0.53	0.49	0.45	0.42	0.39	0.41
85	0.47	0.49	0.51	0.53	0.54	0.56	0.57	0.58	0.58	0.55	0.51	0.47	0.43	0.39	0.35	0.32	0.29	0.26	0.28
90	0.13	0.27	0.42	0.59	0.75	0.91	1.07	1.21	1.33	1.27	1.19	1.10	1.01	0.91	0.83	0.76	0.71	0.69	0.94
95	1.98	3.00	4.16	5.40	6.70	8.00	9.26	10.4	11.5	11.4	11.1	10.8	10.3	9.85	9.36	8.87	8.44	8.08	8.73
100	5.64	7.23	9.09	11.2	13.4	15.7	18.0	20.2	22.2	22.8	23.2	23.4	23.5	23.4	23.3	23.1	22.8	22.6	23.0
105	9.76	11.4	13.4	15.6	18.1	20.7	23.4	26.1	28.7	30.3	31.7	33.0	34.1	35.1	35.9	36.5	36.9	37.1	37.0
110	14.3	16.1	18.3	20.9	23.6	26.5	29.5	32.5	35.4	37.1	38.7	40.1	41.3	42.3	43.1	43.7	44.2	44.4	44.3
115	18.9	20.9	23.3	26.1	29.2	32.4	35.7	39.0	42.1	44.0	45.6	47.1	48.3	49.4	50.2	50.9	51.3	51.5	51.4
120	23.5	25.5	28.1	31.0	34.2	37.6	41.1	44.6	48.0	50.1	51.9	53.6	55.0	56.3	57.3	58.1	58.6	58.9	58.7
125	28.0	30.1	32.6	35.6	38.9	42.4	46.0	49.6	53.1	55.4	57.5	59.4	61.0	62.5	63.6	64.6	65.2	65.6	65.3
130	32.3	34.3	36.8	39.6	42.8	46.2	49.7	53.3	56.8	59.3	61.7	63.8	65.8	67.5	68.9	70.1	70.9	71.5	71.0
135	36.5	38.3	40.5	43.1	46.0	49.2	52.5	55.9	59.2	61.9	64.5	66.9	69.1	71.0	72.7	74.1	75.2	75.9	75.2
140	40.5	42.0	43.9	46.2	48.7	51.5	54.4	57.4	60.5	63.2	65.8	68.3	70.6	72.7	74.6	76.1	77.3	78.1	77.2
145	44.3	45.5	47.0	48.9	51.0	53.3	55.8	58.3	60.9	63.4	65.8	68.1	70.3	72.3	74.0	75.5	76.6	77.4	76.6
150	47.8	48.7	49.9	51.3	53.0	54.8	56.7	58.8	60.8	62.9	64.9	66.8	68.6	70.2	71.7	72.9	73.9	74.5	73.8
155	51.0	51.6	52.5	53.5	54.7	56.1	57.5	59.0	60.5	62.0	63.5	64.9	66.2	67.4	68.5	69.4	70.1	70.6	70.0
160	53.8	54.2	54.7	55.4	56.2	57.1	58.0	59.0	60.0	61.0	62.0	62.9	63.8	64.6	65.3	65.9	66.3	66.6	66.2
165	56.0	56.2	56.5	56.9	57.4	57.9	58.4	59.0	59.5	60.1	60.6	61.2	61.7	62.1	62.5	62.8	63.1	63.2	63.0
170	57.7	57.8	57.9	58.1	58.3	58.5	58.7	59.0	59.2	59.5	59.7	59.9	60.1	60.3	60.4	60.6	60.7	60.7	60.6
175	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3
180	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	613	613	613	612	612	612	612	612	612	612	611	611	611	611	611	611	611	611	611
5	607	607	606	606	606	606	606	606	606	607	607	607	607	607	607	608	608	608	608
10	597	596	596	596	596	596	596	597	597	597	598	598	598	599	599	599	600	600	600
15	580	580	580	580	580	580	581	581	582	582	583	584	585	586	587	587	588	588	588
20	556	556	556	556	557	558	558	559	560	561	562	563	564	565	566	567	568	568	568
25	518	519	519	521	522	523	525	526	528	529	531	532	534	535	537	538	539	539	538
30	462	464	467	469	472	474	477	479	478	478	477	476	475	474	473	473	472	473	475
35	355	363	371	380	389	397	405	411	409	405	400	395	390	384	379	375	371	375	379
40	215	231	247	264	280	296	309	320	310	297	283	267	251	235	221	207	196	205	217
45	104	117	131	145	159	172	184	193	184	172	159	145	131	117	104	91.9	82.0	89.0	98.2
50	29.8	36.7	44.0	51.3	58.3	64.8	70.4	74.9	70.3	64.6	58.1	51.1	43.8	36.7	29.9	23.7	18.6	21.8	26.1
55	6.95	9.71	12.6	15.5	18.3	21.0	23.2	25.1	23.4	21.3	18.9	16.2	13.5	10.8	8.16	5.80	3.80	5.04	6.64
60	2.28	2.82	3.39	3.97	4.55	5.09	5.58	5.98	5.73	5.40	5.00	4.57	4.10	3.64	3.19	2.77	2.41	2.59	2.83
65	1.05	1.10	1.15	1.21	1.27	1.34	1.42	1.49	1.56	1.62	1.68	1.73	1.78	1.82	1.86	1.88	1.90	1.86	1.82
70	0.80	0.84	0.89	0.94	1.00	1.06	1.12	1.18	1.24	1.29	1.35	1.39	1.44	1.47	1.50	1.53	1.54	1.51	1.48
75	0.59	0.63	0.67	0.71	0.76	0.81	0.86	0.92	0.96	1.00	1.04	1.08	1.11	1.14	1.17	1.18	1.20	1.18	1.16
80	0.43	0.46	0.49	0.53	0.57	0.61	0.65	0.69	0.73	0.76	0.79	0.81	0.84	0.86	0.87	0.89	0.89	0.88	0.87
85	0.30	0.32	0.35	0.38	0.42	0.45	0.49	0.52	0.54	0.56	0.58	0.59	0.60	0.61	0.62	0.62	0.62	0.62	0.61
90	1.20	1.48	1.76	2.03	2.29	2.51	2.70	2.83	2.59	2.30	1.97	1.63	1.27	0.92	0.58	0.27	0.00	0.06	0.17
95	9.46	10.2	11.0	11.7	12.3	12.9	13.2	13.4	12.2	10.7	9.16	7.56	5.95	4.40	2.97	1.70	0.67	1.29	2.15
100	23.4	23.7	24.0	24.2	24.2	24.1	23.8	23.2	21.1	18.7	16.3	13.9	11.5	9.29	7.28	5.56	4.22	5.26	6.68
105	36.7	36.3	35.6	34.7	33.7	32.5	31.1	29.6	26.9	24.1	21.3	18.6	16.0	13.5	11.4	9.65	8.31	9.38	10.9
110	44.0	43.6	42.9	42.0	40.9	39.6	38.1	36.4	33.4	30.3	27.1	24.0	21.1	18.4	16.0	14.0	12.5	13.7	15.5
115	51.1	50.6	49.9	49.0	47.8	46.4	44.8	43.0	39.7	36.3	32.9	29.5	26.3	23.4	20.8	18.6	17.0	18.4	20.3
120	58.3	57.7	56.8	55.7	54.3	52.7	50.9	48.9	45.4	41.7	38.1	34.5	31.1	28.0	25.3	23.0	21.3	22.8	25.0
125	64.8	64.0	62.9	61.5	59.9	58.1	56.1	53.8	50.2	46.4	42.7	39.0	35.6	32.4	29.6	27.4	25.7	27.3	29.5
130	70.2	69.1	67.8	66.1	64.2	62.1	59.7	57.2	53.6	50.0	46.4	42.8	39.5	36.5	33.9	31.8	30.3	31.8	34.0
135	74.2	72.8	71.1	69.2	67.0	64.6	62.0	59.3	55.9	52.5	49.1	45.9	42.9	40.2	37.9	36.1	34.7	36.1	38.1
140	76.0	74.5	72.6	70.5	68.1	65.6	63.0	60.2	57.2	54.1	51.2	48.4	45.8	43.5	41.6	40.1	39.0	40.2	41.9
145	75.4	73.8	72.0	70.0	67.7	65.4	62.9	60.4	57.8	55.3	52.9	50.6	48.5	46.7	45.2	44.0	43.2	44.2	45.6
150	72.7	71.4	69.8	68.1	66.2	64.2	62.2	60.1	58.1	56.2	54.3	52.6	51.0	49.6	48.5	47.6	47.1	47.9	49.0
155	69.2	68.2	67.0	65.7	64.3	62.8	61.3	59.7	58.3	56.9	55.5	54.3	53.2	52.2	51.4	50.8	50.5	51.1	51.9
160	65.7	65.0	64.2	63.3	62.3	61.3	60.3	59.3	58.3	57.4	56.6	55.8	55.1	54.5	54.0	53.6	53.4	53.8	54.4
165	62.7	62.2	61.8	61.2	60.7	60.1	59.5	58.9	58.4	57.9	57.5	57.0	56.7	56.3	56.1	55.9	55.8	56.1	56.4
170	60.4	60.3	60.0	59.8	59.6	59.3	59.1	58.8	58.6	58.4	58.2	58.1	57.9	57.8	57.7	57.7	57.7	57.8	57.9
175	59.3	59.2	59.2	59.1	59.1	59.0	59.0	58.9	58.9	58.8	58.8	58.8	58.7	58.7	58.7	58.7	58.7	58.7	58.8
180	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.4V I:0.0770A P:9.160W PF:0.9900 Freq:60.00Hz Lamp Flux:1079.68x1 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	611	611	611	611	611	611	611	611	611	611	611	612	612	612	613				
5	608	608	608	608	608	608	608	608	609	609	609	610	611	611	612				
10	600	600	600	600	600	601	601	601	602	602	603	604	605	606	607				
15	588	588	588	588	588	588	588	589	589	590	591	591	592	593	595				
20	568	568	568	568	568	568	568	568	568	569	570	570	571	572	573				
25	538	538	537	537	536	536	535	535	536	536	536	537	537	538	539				
30	476	478	480	482	484	486	487	488	489	490	490	490	490	490	490				
35	384	390	396	402	408	413	418	419	420	420	419	417	414	411	407				
40	230	244	259	274	288	301	312	312	310	306	299	290	278	264	248				
45	109	121	133	145	157	168	177	178	177	174	169	162	153	143	130				
50	31.1	36.7	42.6	48.5	54.1	59.4	63.9	64.3	63.8	62.3	59.9	56.5	52.2	47.0	40.9				
55	8.52	10.6	12.7	14.8	16.8	18.6	20.2	20.0	19.4	18.4	17.1	15.3	13.1	10.6	7.62				
60	3.11	3.42	3.73	4.04	4.33	4.58	4.78	4.69	4.53	4.30	4.01	3.64	3.20	2.70	2.12				
65	1.77	1.71	1.65	1.58	1.51	1.45	1.38	1.34	1.30	1.26	1.23	1.19	1.17	1.14	1.12				
70	1.44	1.40	1.35	1.29	1.24	1.18	1.13	1.09	1.06	1.02	0.99	0.96	0.94	0.91	0.89				
75	1.13	1.09	1.06	1.02	0.98	0.93	0.89	0.86	0.83	0.80	0.77	0.74	0.72	0.69	0.66				
80	0.85	0.83	0.81	0.78	0.75	0.72	0.69	0.67	0.65	0.62	0.60	0.57	0.55	0.52	0.50				
85	0.61	0.60	0.59	0.58	0.56	0.55	0.53	0.51	0.49	0.47	0.45	0.43	0.41	0.38	0.35				
90	0.32	0.50	0.70	0.92	1.14	1.36	1.58	1.67	1.75	1.81	1.85	1.88	1.89	1.89	1.86				
95	3.19	4.38	5.67	7.00	8.33	9.61	10.8	11.2	11.5	11.6	11.6	11.5	11.2	10.8	10.2				
100	8.41	10.4	12.5	14.8	17.1	19.3	21.5	22.5	23.4	24.1	24.6	25.0	25.2	25.2	25.0				
105	12.8	14.9	17.3	19.9	22.6	25.3	27.9	29.6	31.1	32.5	33.8	35.0	36.1	37.1	37.9				
110	17.7	20.2	22.9	25.8	28.9	31.9	34.9	36.7	38.4	39.9	41.3	42.6	43.7	44.7	45.5				
115	22.8	25.5	28.6	31.8	35.2	38.6	41.9	43.8	45.6	47.3	48.8	50.1	51.3	52.3	53.1				
120	27.6	30.5	33.8	37.3	40.9	44.5	48.1	50.2	52.2	54.0	55.6	57.1	58.4	59.5	60.5				
125	32.2	35.3	38.7	42.4	46.1	49.9	53.6	55.9	58.0	59.9	61.7	63.3	64.8	66.0	67.2				
130	36.6	39.6	43.0	46.5	50.2	54.0	57.7	60.1	62.3	64.5	66.5	68.4	70.1	71.7	73.2				
135	40.5	43.3	46.4	49.8	53.2	56.8	60.4	62.8	65.2	67.5	69.7	71.8	73.9	75.8	77.7				
140	44.0	46.5	49.3	52.2	55.4	58.6	61.9	64.2	66.6	68.9	71.2	73.4	75.6	77.8	80.0				
145	47.4	49.4	51.7	54.2	56.9	59.6	62.4	64.6	66.7	68.8	71.0	73.1	75.2	77.3	79.5				
150	50.4	52.0	53.8	55.8	57.9	60.1	62.3	64.1	65.8	67.6	69.4	71.2	73.0	74.8	76.6				
155	52.9	54.1	55.5	57.0	58.5	60.2	61.8	63.1	64.5	65.8	67.2	68.6	69.9	71.3	72.7				
160	55.1	55.9	56.8	57.8	58.9	60.0	61.1	62.0	62.9	63.9	64.8	65.7	66.7	67.7	68.7				
165	56.8	57.3	57.9	58.4	59.1	59.7	60.4	60.9	61.4	62.0	62.6	63.1	63.7	64.3	64.9				
170	58.1	58.3	58.6	58.8	59.1	59.4	59.7	60.0	60.2	60.5	60.7	61.0	61.3	61.5	61.8				
175	58.8	58.9	59.0	59.0	59.1	59.2	59.3	59.3	59.4	59.5	59.5	59.6	59.7	59.8	59.8				
180	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2				

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: