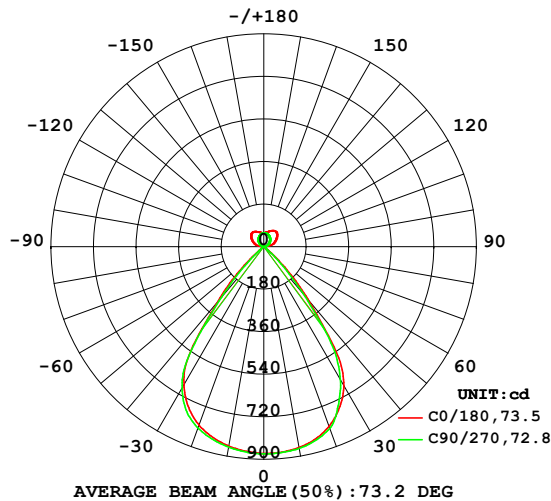


LUMINAIRE PHOTOMETRIC TEST REPORT

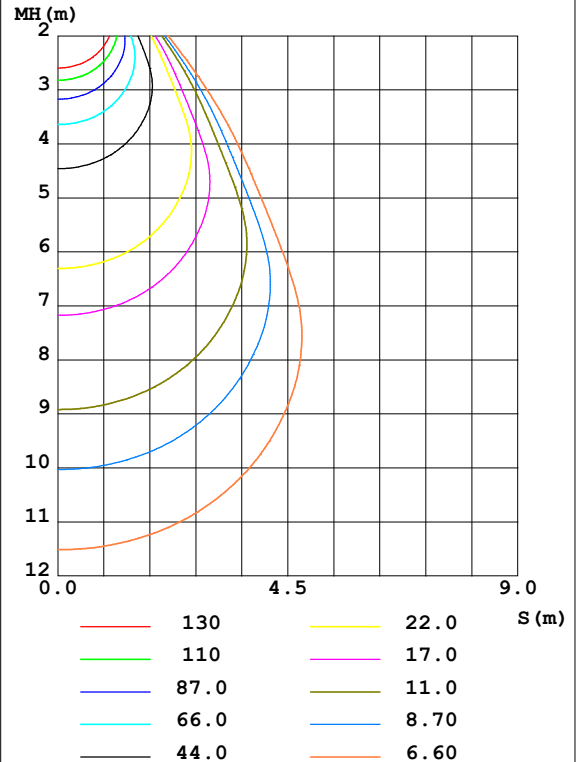
Test:U:119.3V I:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.70 lm/W			
MODEL		I _{max} (cd)	877.5	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)	1436.4	η UP,DN (C0-180)	9.0,41.4
NOMINAL FLUX(lm)	1436.36	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	8.5,41.0
LAMPS INSIDE	1	η up (%)	17.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	82.4	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:

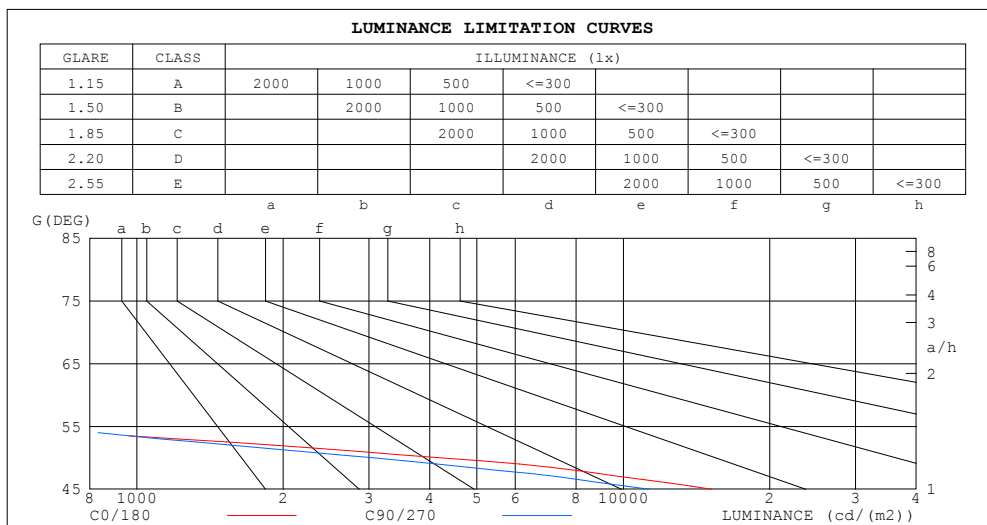
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	862.9	865.2	866.7	865.5	856.3	857.4	861.0	859.3	0- 10	82.94	82.94	5.77,5.77
20	808.6	816.7	818.1	819.8	803.0	805.4	815.8	803.5	10- 20	237.5	320.4	22.3,22.3
30	677.3	689.7	649.3	706.0	675.7	694.6	692.8	677.3	20- 30	348.2	668.6	46.5,46.5
40	291.1	430.6	257.8	466.9	302.2	468.7	277.8	422.1	30- 40	336.9	1006	70,70
50	34.74	85.38	25.36	114.8	35.33	106.7	18.33	75.58	40- 50	153.9	1159	80.7,80.7
60	1.725	6.691	3.218	10.90	1.716	8.457	1.922	3.795	50- 60	20.99	1180	82.2,82.2
70	0.8967	1.631	1.834	1.571	0.9051	1.061	1.283	1.020	60- 70	2.080	1182	82.3,82.3
80	0.3469	0.7671	0.8897	0.8253	0.3774	0.6422	0.8253	0.6058	70- 80	1.017	1183	82.4,82.4
90	1.262	1.164	0	3.418	1.096	1.682	0.0000	0.3028	80- 90	0.5273	1184	82.4,82.4
100	22.45	21.52	5.321	23.86	25.19	22.06	3.335	19.19	90-100	9.423	1193	83.1,83.1
110	45.13	35.60	13.99	37.32	45.24	35.03	11.43	32.91	100-110	26.80	1220	85,85
120	60.06	49.49	22.86	49.82	59.73	47.07	20.14	46.18	110-120	37.91	1258	87.6,87.6
130	73.37	60.28	31.81	58.26	72.08	54.99	29.04	56.26	120-130	44.42	1303	90.7,90.7
140	81.52	65.17	40.46	61.39	78.15	58.00	37.73	60.94	130-140	44.55	1347	93.8,93.8
150	78.61	65.53	48.17	61.30	74.02	58.29	45.86	61.78	140-150	38.34	1385	96.5,96.5
160	70.05	63.55	54.18	60.10	66.00	57.89	52.43	60.78	150-160	28.26	1414	98.4,98.4
170	62.26	60.93	57.86	59.10	60.26	57.98	56.94	59.47	160-170	16.99	1431	99.6,99.6
180	58.11	58.11	58.11	58.11	58.11	58.11	58.11	58.11	170-180	5.640	1436	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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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	141	497
80	154	394
75	177	390
70	202	413
65	222	445
60	265	495
55	474	654
50	4157	3035
45	15178	11321

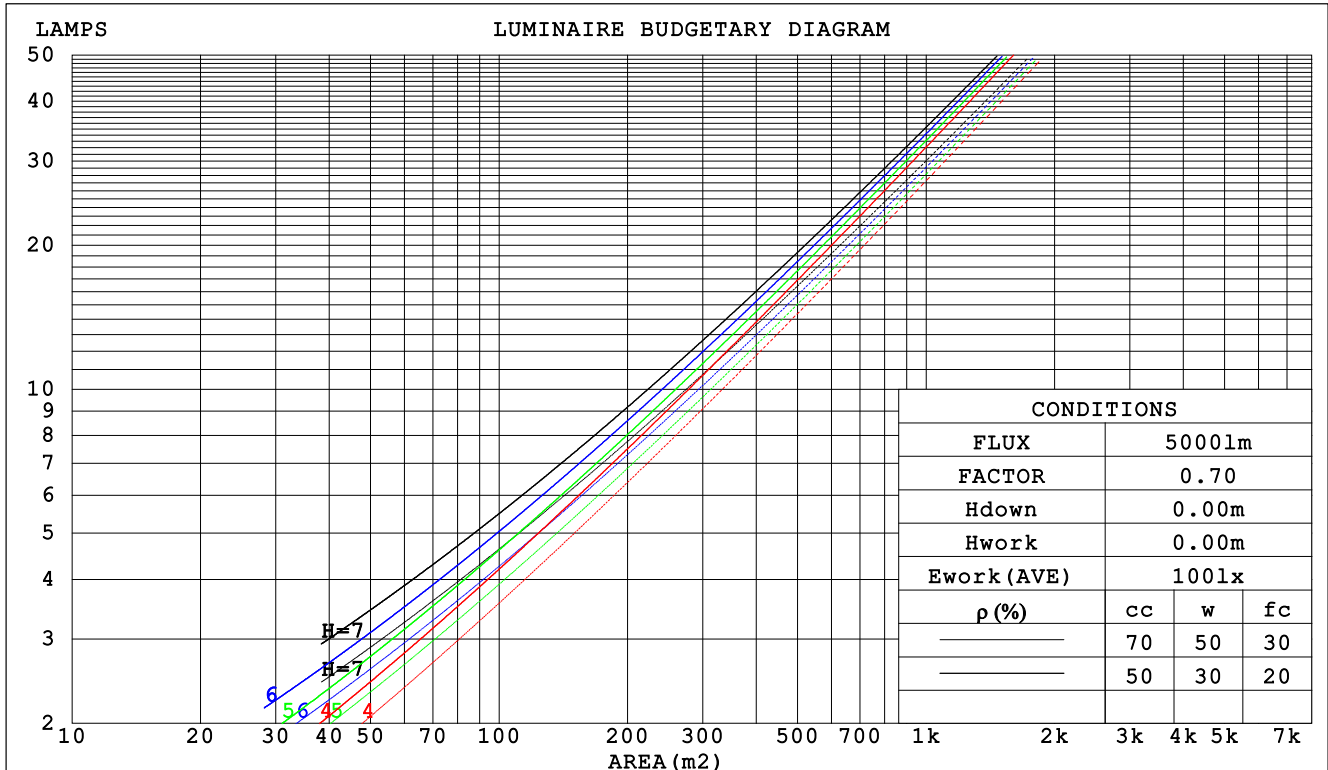
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	1.05	1.02	.00	1.01	.99	.97	.94	.92	.90	.87	.86	.85	.81	.80	.79	.76
2.0	.96	.92	.88	.93	.89	.85	.87	.84	.81	.81	.79	.77	.76	.74	.72	.70
3.0	.88	.82	.78	.85	.80	.76	.80	.76	.73	.75	.72	.69	.71	.68	.66	.64
4.0	.81	.75	.70	.79	.73	.68	.74	.70	.66	.70	.66	.63	.66	.63	.61	.58
5.0	.75	.68	.63	.72	.66	.62	.69	.64	.60	.65	.61	.58	.62	.58	.56	.54
6.0	.69	.62	.57	.67	.61	.56	.64	.58	.55	.61	.56	.53	.58	.54	.51	.49
7.0	.64	.57	.52	.62	.56	.51	.59	.54	.50	.56	.52	.48	.54	.50	.47	.45
8.0	.59	.52	.48	.58	.51	.47	.55	.50	.46	.53	.48	.45	.50	.46	.43	.42
9.0	.55	.48	.44	.54	.48	.43	.51	.46	.42	.49	.45	.41	.47	.43	.40	.39
10.0	.51	.45	.41	.50	.44	.40	.48	.43	.39	.46	.42	.38	.44	.40	.37	.36



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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm					
NAME: 1FT			TYPE:3500K 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	.204	.116	.037	.192	.109	.035	.169	.097	.031	.148	.086	.027	.129	.075	.024		
2.0	.196	.107	.033	.185	.102	.031	.165	.092	.028	.146	.082	.026	.129	.073	.023		
3.0	.186	.099	.030	.177	.095	.028	.159	.086	.026	.142	.078	.024	.127	.070	.022		
4.0	.177	.092	.027	.168	.088	.026	.152	.081	.024	.137	.074	.022	.123	.067	.020		
5.0	.168	.086	.025	.161	.082	.024	.146	.076	.022	.132	.070	.021	.119	.064	.019		
6.0	.160	.080	.023	.153	.077	.022	.140	.072	.021	.127	.066	.019	.115	.061	.018		
7.0	.152	.075	.021	.146	.073	.021	.134	.068	.019	.122	.063	.018	.111	.058	.017		
8.0	.145	.071	.020	.139	.069	.019	.128	.064	.018	.117	.059	.017	.107	.055	.016		
9.0	.139	.067	.019	.133	.065	.018	.123	.061	.017	.113	.057	.016	.104	.053	.015		
10.0	.132	.063	.018	.127	.061	.017	.118	.058	.016	.108	.054	.015	.100	.050	.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	.324	.324	.324	.277	.277	.277	.189	.189	.189	.109	.109	.109	.035	.035	.035	
1.0	.308	.292	.278	.263	.251	.239	.180	.172	.165	.104	.100	.096	.033	.032	.031	
2.0	.295	.268	.246	.253	.231	.212	.173	.160	.148	.100	.093	.087	.032	.030	.028	
3.0	.285	.250	.223	.244	.216	.193	.168	.150	.135	.097	.088	.080	.031	.028	.026	
4.0	.276	.237	.206	.237	.204	.179	.163	.142	.126	.094	.083	.075	.030	.027	.025	
5.0	.269	.226	.194	.231	.195	.169	.159	.136	.119	.092	.080	.071	.030	.026	.023	
6.0	.262	.217	.185	.225	.188	.161	.155	.132	.114	.090	.077	.068	.029	.025	.022	
7.0	.256	.210	.178	.220	.182	.155	.152	.128	.110	.089	.075	.065	.029	.025	.022	
8.0	.251	.204	.173	.216	.177	.150	.149	.125	.107	.087	.073	.064	.028	.024	.021	
9.0	.246	.200	.168	.212	.173	.147	.147	.122	.104	.086	.072	.062	.028	.024	.021	
10.0	.242	.196	.165	.208	.170	.144	.144	.119	.102	.084	.071	.061	.027	.023	.020	

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm										
NAME: 1FT					TYPE:3500K 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	18.7	19.6	19.2	20.1	20.6	17.9	18.9	18.4	19.3	19.8
3H	18.4	19.3	19.0	19.8	20.3	17.7	18.6	18.2	19.0	19.6
4H	18.3	19.1	18.9	19.6	20.2	17.6	18.4	18.1	18.9	19.4
6H	18.2	18.9	18.8	19.5	20.0	17.4	18.2	18.0	18.7	19.3
8H	18.1	18.8	18.7	19.4	20.0	17.4	18.1	18.0	18.6	19.2
12H	18.1	18.7	18.7	19.3	19.9	17.3	18.0	17.9	18.5	19.2
4H 2H	18.3	19.1	18.9	19.6	20.2	17.6	18.4	18.1	18.9	19.4
3H	18.1	18.8	18.7	19.3	19.9	17.3	18.0	17.9	18.6	19.2
4H	17.9	18.6	18.6	19.1	19.8	17.2	17.8	17.8	18.4	19.0
6H	17.8	18.3	18.4	19.0	19.6	17.1	17.6	17.7	18.2	18.9
8H	17.7	18.2	18.4	18.9	19.6	17.0	17.5	17.7	18.1	18.8
12H	17.7	18.1	18.3	18.8	19.5	16.9	17.4	17.6	18.0	18.8
8H 4H	17.7	18.2	18.4	18.9	19.6	17.0	17.5	17.6	18.1	18.8
6H	17.6	18.0	18.3	18.7	19.4	16.9	17.3	17.5	17.9	18.7
8H	17.5	17.9	18.2	18.6	19.4	16.8	17.1	17.5	17.8	18.6
12H	17.5	17.8	18.2	18.5	19.3	16.7	17.0	17.4	17.7	18.5
12H 4H	17.7	18.1	18.3	18.8	19.5	16.9	17.4	17.6	18.0	18.8
6H	17.5	17.9	18.2	18.6	19.4	16.8	17.1	17.5	17.8	18.6
8H	17.5	17.8	18.2	18.5	19.3	16.7	17.0	17.4	17.7	18.5
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -19.7					+ 2.9 / -17.3				
1.5H	+ 4.0 / -13.2					+ 4.0 / -13.4				
2.0H	+ 6.9 / -16.9					+ 6.4 / -11.9				

CIE Pub.117 Corrected 1436 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.3)

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:119.3V I:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

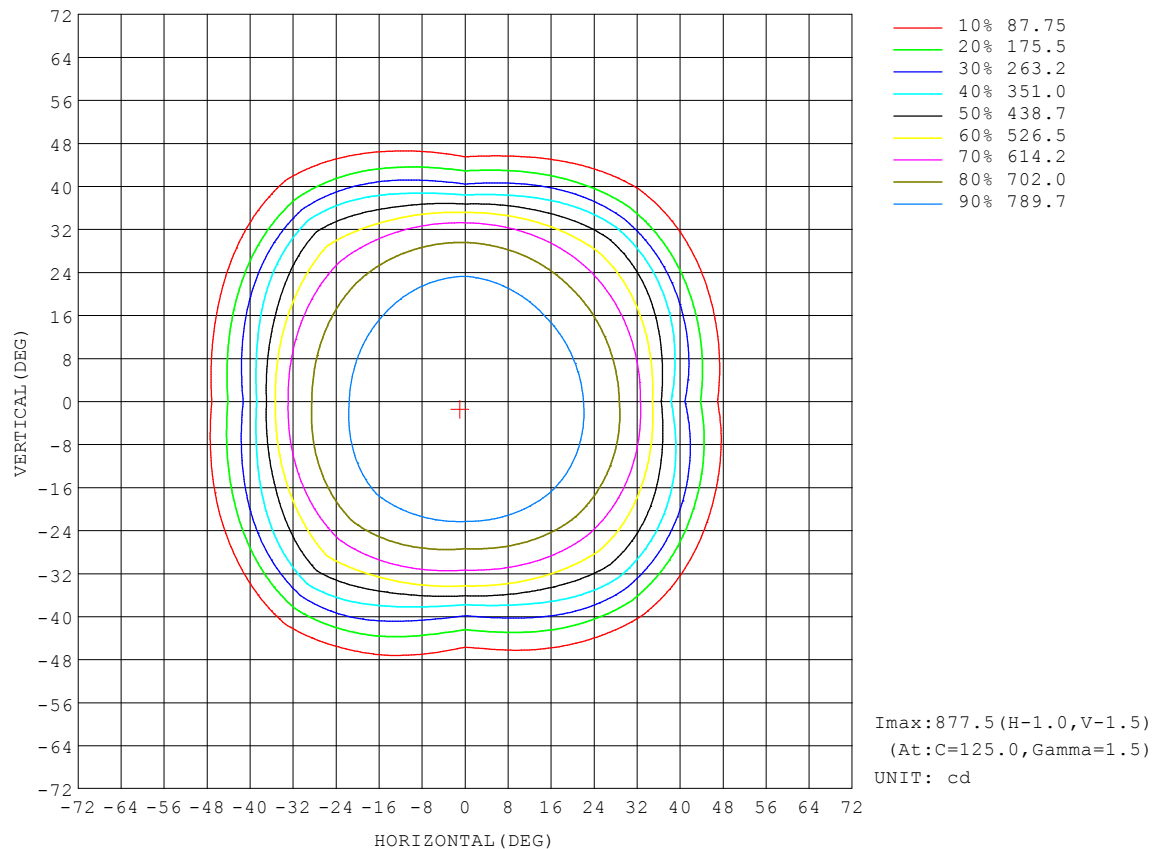
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	65	60	72	64	60	70	63	59	54
0.80	81	74	69	80	73	68	77	71	67	61
1.00	87	80	75	85	79	74	82	77	73	66
1.25	92	85	81	90	84	80	86	81	78	70
1.50	96	89	85	93	88	84	89	84	81	73
2.00	100	94	90	97	92	88	92	88	85	75
2.50	102	97	93	99	95	91	93	90	87	76
3.00	104	100	96	101	97	94	95	92	89	78
4.00	107	103	100	103	100	97	96	94	92	79
5.00	109	105	103	105	102	100	97	96	94	80
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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

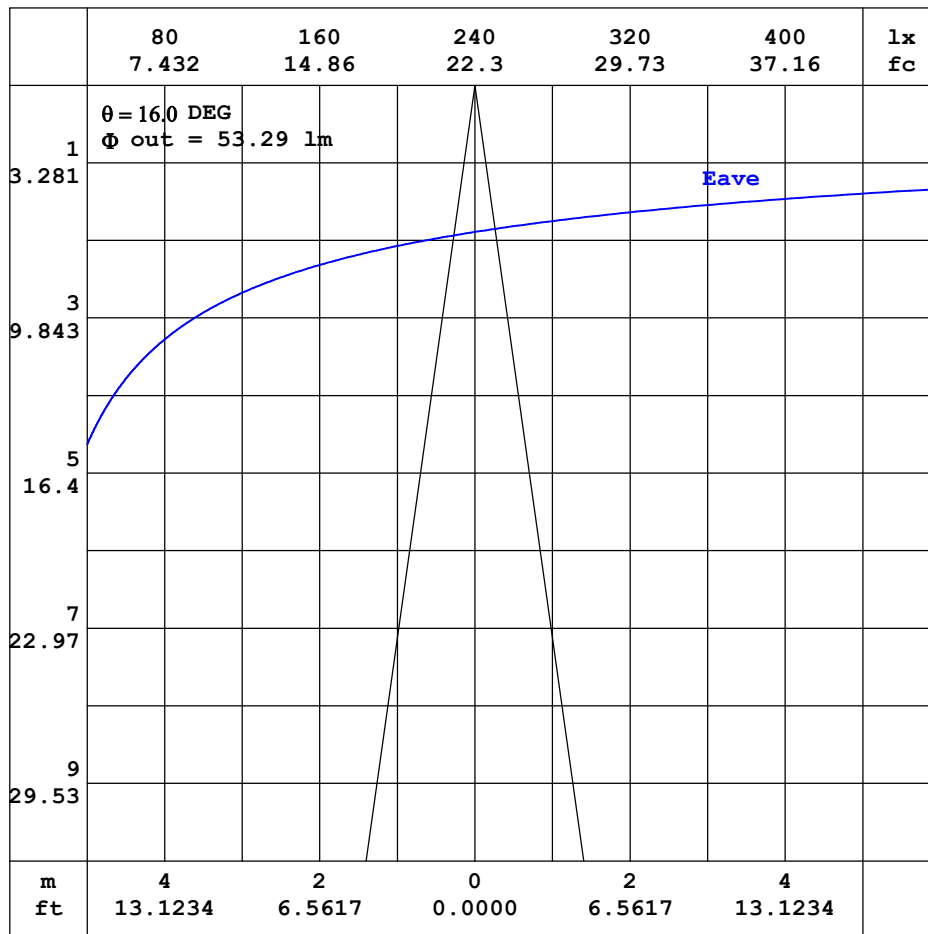


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



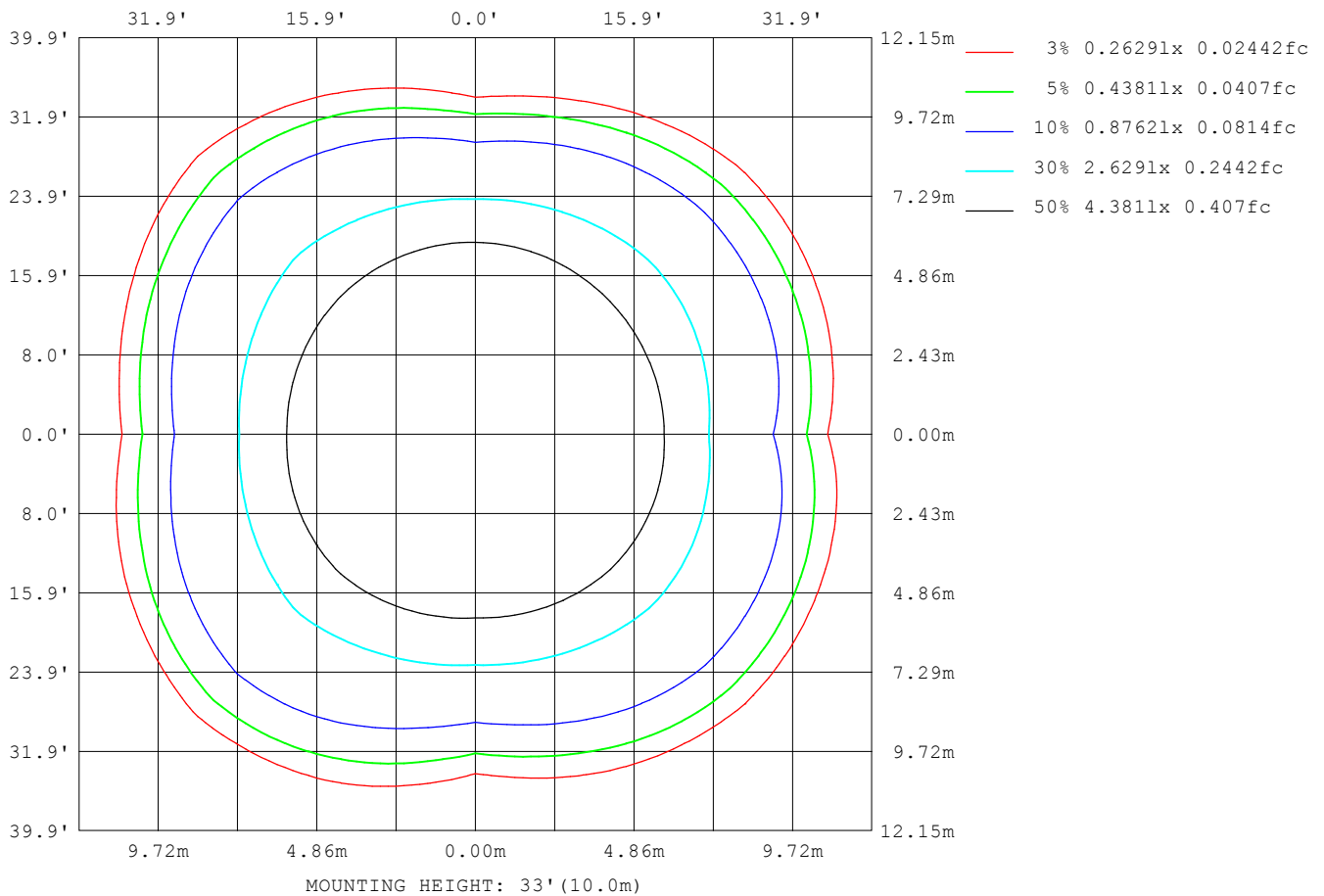
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

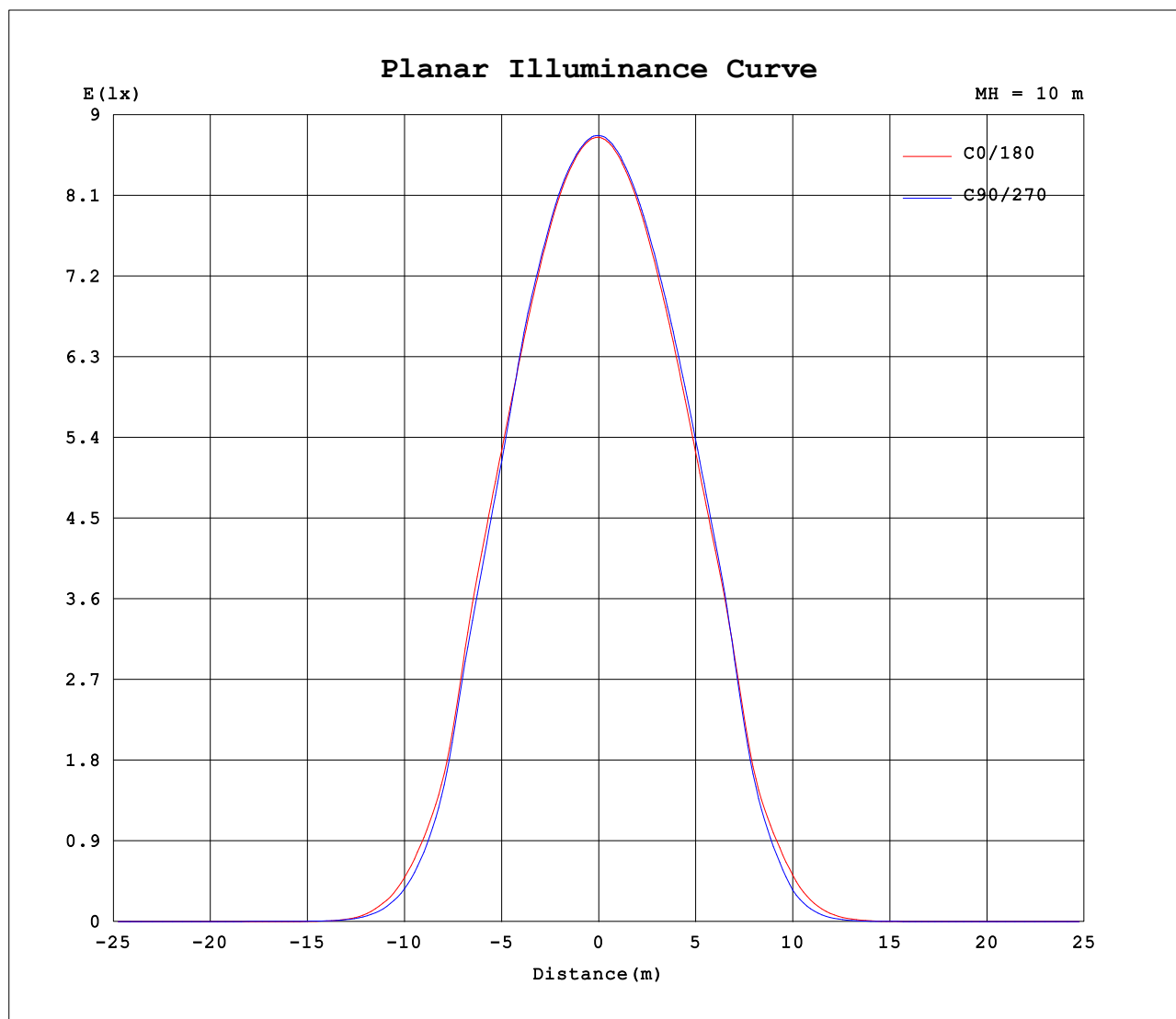
AvgL	cd/m2
L_0~180 (65) av	221
L_0~180 (75) av	181
L_0~180 (85) av	155
L_90~270 (65) av	363
L_90~270 (75) av	350
L_90~270 (85) av	506
L_45 (65) av	314
L_45 (75) av	297
L_45 (85) av	426

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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	875	875	875	875	876	876	876	876	876	876	876	876	877	877	877	877	877	877	877
5	873	873	873	873	873	873	873	874	874	874	874	874	874	874	874	874	874	874	874
10	863	863	864	864	864	864	865	865	865	865	865	866	866	866	866	866	867	867	867
15	843	844	844	845	846	846	847	847	848	848	848	848	849	849	849	849	849	849	848
20	809	810	811	812	813	814	815	815	816	817	817	817	818	818	818	818	818	818	818
25	755	759	761	764	765	767	768	768	768	768	766	763	760	757	754	751	749	747	745
30	677	681	685	687	689	691	691	692	691	690	685	680	675	669	664	659	655	652	649
35	520	531	541	550	557	563	567	569	570	570	563	554	545	535	526	517	509	503	498
40	291	322	349	372	392	407	419	427	431	431	414	395	373	351	329	307	288	271	258
45	140	164	185	203	218	230	239	245	248	247	233	216	198	179	161	143	127	114	104
50	34.7	45.8	55.6	63.9	70.9	76.5	80.8	83.7	85.2	85.4	79.4	72.5	64.8	56.9	49.0	41.6	34.9	29.4	25.4
55	3.54	8.56	13.0	16.8	20.1	22.8	24.9	26.5	27.4	27.8	25.6	23.1	20.2	17.2	14.2	11.3	8.68	6.50	4.88
60	1.73	2.69	3.56	4.32	4.97	5.53	5.97	6.32	6.56	6.69	6.36	5.96	5.50	5.02	4.55	4.10	3.72	3.41	3.22
65	1.22	1.36	1.49	1.61	1.73	1.83	1.93	2.02	2.10	2.17	2.24	2.29	2.33	2.37	2.40	2.42	2.44	2.44	2.45
70	0.90	1.00	1.11	1.20	1.29	1.37	1.45	1.51	1.58	1.63	1.68	1.72	1.76	1.78	1.81	1.82	1.83	1.84	1.83
75	0.60	0.68	0.76	0.83	0.90	0.96	1.02	1.07	1.12	1.16	1.19	1.22	1.25	1.27	1.29	1.30	1.31	1.31	1.31
80	0.35	0.41	0.47	0.52	0.57	0.62	0.66	0.70	0.74	0.77	0.79	0.82	0.84	0.85	0.86	0.88	0.88	0.89	0.89
85	0.16	0.21	0.26	0.30	0.34	0.37	0.41	0.44	0.46	0.49	0.51	0.52	0.53	0.54	0.55	0.56	0.56	0.56	0.56
90	1.26	1.30	1.33	1.35	1.35	1.34	1.31	1.28	1.23	1.16	0.98	0.80	0.62	0.44	0.29	0.16	0.08	0.04	0.00
95	8.14	8.87	9.47	9.95	10.3	10.5	10.6	10.5	10.3	10.0	8.99	7.86	6.69	5.53	4.41	3.39	2.51	1.82	1.35
100	22.4	23.1	23.6	23.8	23.9	23.8	23.5	23.1	22.4	21.5	19.6	17.5	15.4	13.2	11.2	9.33	7.68	6.32	5.32
105	37.5	37.0	36.4	35.6	34.7	33.7	32.6	31.3	29.9	28.4	25.9	23.4	20.8	18.3	16.0	13.9	12.1	10.6	9.57
110	45.1	44.7	44.1	43.3	42.4	41.3	40.1	38.8	37.3	35.6	32.8	29.8	26.9	24.1	21.4	19.0	16.9	15.2	14.0
115	52.6	52.2	51.7	51.0	50.1	49.0	47.8	46.3	44.7	42.9	39.7	36.4	33.2	30.0	27.0	24.2	21.8	19.9	18.4
120	60.1	59.7	59.1	58.3	57.3	56.2	54.8	53.2	51.5	49.5	46.1	42.5	39.0	35.5	32.2	29.2	26.6	24.4	22.9
125	66.9	66.5	65.8	65.0	63.9	62.6	61.2	59.5	57.6	55.5	51.9	48.2	44.4	40.8	37.3	34.1	31.4	29.1	27.4
130	73.4	72.7	71.8	70.7	69.5	68.0	66.4	64.5	62.5	60.3	56.6	52.8	49.0	45.3	41.9	38.7	35.9	33.5	31.8
135	78.6	77.5	76.3	74.9	73.4	71.7	69.8	67.9	65.7	63.4	59.9	56.2	52.6	49.1	45.7	42.7	40.1	37.9	36.2
140	81.5	80.1	78.6	77.0	75.3	73.5	71.5	69.5	67.4	65.2	61.9	58.5	55.2	52.0	49.0	46.3	43.9	41.9	40.5
145	81.4	80.0	78.4	76.8	75.2	73.4	71.6	69.7	67.8	65.8	62.9	60.0	57.1	54.4	51.8	49.5	47.5	45.8	44.5
150	78.6	77.4	76.1	74.7	73.3	71.9	70.4	68.8	67.2	65.5	63.2	60.8	58.5	56.3	54.2	52.3	50.6	49.2	48.2
155	74.5	73.6	72.6	71.6	70.6	69.5	68.4	67.2	66.0	64.7	62.9	61.2	59.4	57.7	56.1	54.6	53.3	52.3	51.4
160	70.0	69.5	68.9	68.2	67.5	66.8	66.0	65.2	64.4	63.5	62.3	61.1	59.8	58.7	57.5	56.5	55.6	54.8	54.2
165	65.8	65.5	65.2	64.8	64.5	64.1	63.7	63.2	62.7	62.2	61.5	60.7	59.9	59.2	58.5	57.8	57.3	56.7	56.3
170	62.3	62.2	62.1	62.0	61.9	61.7	61.6	61.4	61.2	60.9	60.6	60.2	59.8	59.4	59.1	58.7	58.4	58.1	57.9
175	59.9	60.0	60.0	60.0	60.0	60.0	60.0	59.9	59.9	59.8	59.7	59.6	59.4	59.3	59.2	59.0	58.9	58.8	58.7
180	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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	877	877	877	877	877	877	877	877	877	877	877	876	876	876	876	875	875	875	875
5	875	875	875	875	875	875	875	875	875	874	874	873	872	872	871	870	870	869	869
10	867	867	867	867	867	867	866	866	866	865	864	862	861	860	859	858	857	856	856
15	849	849	849	849	849	849	849	849	849	847	846	844	843	841	839	838	837	835	835
20	819	819	820	820	820	820	820	820	820	818	816	814	812	810	808	806	805	803	803
25	748	751	755	759	763	767	770	774	776	775	773	770	767	764	761	758	755	752	752
30	654	660	667	673	681	688	694	701	706	704	702	699	695	691	687	683	679	676	677
35	506	516	528	540	552	565	576	587	596	593	588	581	574	566	559	551	545	539	544
40	276	298	322	348	375	401	426	448	467	454	438	419	398	376	355	335	317	302	317
45	122	143	167	192	217	242	265	286	303	292	276	259	239	219	198	179	162	147	159
50	33.7	43.5	54.3	65.6	77.0	88.0	98.3	107	115	108	100	91.3	81.3	71.0	60.9	51.2	42.6	35.3	41.5
55	8.21	12.1	16.3	20.7	25.1	29.4	33.3	36.7	39.4	36.5	32.8	28.6	24.2	19.7	15.2	11.0	7.26	4.18	6.93
60	4.03	4.95	5.92	6.92	7.90	8.83	9.67	10.4	10.9	10.1	9.16	8.09	6.95	5.78	4.63	3.54	2.55	1.72	2.21
65	2.44	2.44	2.42	2.40	2.37	2.33	2.28	2.23	2.17	2.06	1.95	1.84	1.72	1.61	1.50	1.39	1.30	1.21	1.18
70	1.83	1.81	1.80	1.77	1.74	1.71	1.67	1.62	1.57	1.49	1.41	1.33	1.25	1.17	1.10	1.03	0.96	0.91	0.90
75	1.31	1.31	1.30	1.29	1.28	1.26	1.23	1.21	1.17	1.11	1.04	0.98	0.91	0.84	0.78	0.72	0.67	0.62	0.62
80	0.90	0.90	0.90	0.90	0.89	0.88	0.87	0.85	0.83	0.77	0.72	0.66	0.61	0.55	0.50	0.45	0.41	0.38	0.39
85	0.57	0.58	0.58	0.59	0.59	0.59	0.58	0.57	0.56	0.52	0.47	0.43	0.38	0.34	0.29	0.25	0.22	0.19	0.20
90	0.34	0.73	1.14	1.57	1.99	2.41	2.79	3.13	3.42	3.29	3.09	2.85	2.58	2.28	1.97	1.67	1.37	1.10	1.11
95	2.52	3.90	5.45	7.10	8.79	10.5	12.1	13.6	14.9	14.7	14.4	13.8	13.2	12.4	11.6	10.8	10.0	9.32	9.63
100	6.62	8.27	10.2	12.4	14.7	17.0	19.4	21.7	23.9	24.6	25.2	25.6	25.8	25.9	25.9	25.7	25.5	25.2	25.3
105	10.9	12.6	14.7	17.1	19.6	22.3	25.1	27.8	30.4	32.0	33.4	34.7	35.8	36.6	37.3	37.8	38.1	38.2	37.9
110	15.5	17.4	19.8	22.4	25.3	28.3	31.3	34.4	37.3	39.0	40.5	41.8	42.9	43.8	44.5	45.0	45.2	45.2	44.9
115	20.0	22.2	24.7	27.6	30.8	34.1	37.4	40.8	44.0	45.8	47.4	48.8	50.0	50.9	51.7	52.2	52.4	52.4	52.1
120	24.5	26.7	29.4	32.4	35.7	39.2	42.8	46.4	49.8	51.9	53.7	55.3	56.7	57.8	58.7	59.3	59.6	59.7	59.3
125	29.0	31.1	33.8	36.9	40.3	43.8	47.5	51.2	54.7	57.0	59.1	60.9	62.5	63.8	64.9	65.7	66.2	66.4	65.8
130	33.3	35.3	37.9	40.8	44.0	47.5	51.1	54.7	58.3	60.8	63.1	65.2	67.0	68.7	70.0	71.0	71.7	72.1	71.3
135	37.4	39.2	41.5	44.1	47.1	50.3	53.6	57.0	60.4	63.0	65.6	67.9	70.1	72.0	73.6	74.8	75.8	76.3	75.3
140	41.4	42.9	44.8	47.1	49.6	52.4	55.3	58.4	61.4	64.1	66.6	69.1	71.3	73.3	75.0	76.5	77.5	78.2	77.1
145	45.2	46.4	47.9	49.7	51.8	54.1	56.5	59.0	61.6	64.0	66.3	68.6	70.7	72.5	74.2	75.5	76.5	77.2	76.1
150	48.7	49.5	50.7	52.1	53.7	55.4	57.3	59.3	61.3	63.2	65.1	67.0	68.7	70.2	71.6	72.7	73.5	74.0	73.1
155	51.8	52.3	53.1	54.1	55.3	56.5	57.9	59.3	60.8	62.2	63.6	64.9	66.1	67.2	68.2	69.0	69.6	70.0	69.3
160	54.4	54.7	55.2	55.8	56.6	57.4	58.2	59.2	60.1	61.0	61.9	62.8	63.6	64.3	64.9	65.4	65.8	66.0	65.5
165	56.4	56.6	56.8	57.2	57.6	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.4	61.8	62.1	62.4	62.6	62.7	62.4
170	57.9	57.9	58.0	58.1	58.3	58.5	58.7	58.9	59.1	59.3	59.5	59.7	59.8	60.0	60.1	60.2	60.2	60.3	60.1
175	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	58.9
180	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm		
NAME: 1FT	TYPE:3500K 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	875	875	875	875	876	876	876	876	876	876	877	877	877	877	877	877	877	877	877
5	869	869	869	869	870	870	870	870	871	871	871	871	871	872	872	872	872	872	872
10	856	856	856	856	856	857	857	857	858	858	859	859	860	860	860	861	861	861	861
15	835	834	834	835	835	835	836	836	837	838	839	840	841	841	842	843	843	843	842
20	802	802	802	803	803	804	804	805	807	808	809	811	812	813	814	815	816	815	814
25	752	753	754	754	756	757	758	760	762	763	765	767	768	769	770	771	771	770	768
30	678	680	682	685	687	690	692	695	695	696	696	696	696	695	695	694	693	691	690
35	551	558	566	574	581	588	595	600	594	587	580	571	563	554	546	538	532	534	538
40	335	355	376	398	419	438	455	469	452	433	411	387	362	338	316	295	278	288	302
45	174	190	208	226	244	260	274	284	269	250	228	206	182	159	137	117	100.0	106	116
50	49.1	57.7	66.9	76.2	85.3	93.7	101	107	99.1	90.1	79.9	69.0	57.8	46.7	36.1	26.5	18.3	22.0	27.1
55	10.3	14.2	18.4	22.6	26.8	30.7	34.1	36.9	34.2	30.9	27.0	22.8	18.5	14.2	10.0	6.20	2.89	4.21	6.08
60	2.87	3.64	4.48	5.36	6.24	7.08	7.83	8.46	7.99	7.39	6.68	5.90	5.08	4.24	3.41	2.63	1.92	1.94	2.05
65	1.17	1.17	1.17	1.18	1.20	1.23	1.26	1.29	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.53	1.54	1.52	1.49
70	0.90	0.90	0.92	0.94	0.96	0.99	1.03	1.06	1.09	1.12	1.15	1.18	1.21	1.24	1.26	1.27	1.28	1.27	1.24
75	0.63	0.65	0.67	0.70	0.73	0.77	0.81	0.85	0.88	0.91	0.94	0.96	0.99	1.01	1.02	1.04	1.05	1.03	1.02
80	0.40	0.43	0.45	0.49	0.52	0.56	0.60	0.64	0.67	0.70	0.73	0.75	0.77	0.79	0.81	0.82	0.83	0.81	0.80
85	0.22	0.25	0.28	0.31	0.35	0.39	0.42	0.46	0.48	0.51	0.52	0.54	0.56	0.57	0.58	0.58	0.58	0.58	0.57
90	1.16	1.22	1.31	1.39	1.48	1.57	1.63	1.68	1.53	1.35	1.16	0.96	0.76	0.55	0.35	0.17	0.00	0.02	0.06
95	10.0	10.4	10.9	11.3	11.6	11.9	12.0	12.0	10.8	9.49	8.06	6.59	5.13	3.72	2.41	1.24	0.27	0.62	1.18
100	25.3	25.2	25.0	24.7	24.3	23.7	23.0	22.1	19.8	17.5	15.1	12.7	10.4	8.21	6.27	4.63	3.33	4.25	5.53
105	37.3	36.6	35.6	34.5	33.2	31.7	30.1	28.4	25.6	22.8	20.0	17.3	14.7	12.3	10.2	8.47	7.15	8.15	9.58
110	44.4	43.6	42.7	41.5	40.2	38.6	36.9	35.0	32.0	28.9	25.8	22.7	19.8	17.2	14.8	12.9	11.4	12.6	14.2
115	51.5	50.7	49.7	48.4	47.0	45.3	43.5	41.5	38.2	34.8	31.4	28.1	24.9	22.0	19.5	17.4	15.8	17.2	19.0
120	58.6	57.6	56.4	55.0	53.3	51.4	49.3	47.1	43.6	40.0	36.4	32.9	29.6	26.6	23.9	21.7	20.1	21.6	23.6
125	64.9	63.7	62.3	60.6	58.7	56.6	54.2	51.7	48.1	44.4	40.7	37.2	33.9	30.8	28.2	26.1	24.5	26.1	28.2
130	70.2	68.7	67.0	65.0	62.8	60.3	57.7	55.0	51.4	47.8	44.3	40.9	37.7	34.8	32.4	30.4	29.0	30.6	32.7
135	74.0	72.2	70.2	67.9	65.4	62.7	59.9	57.0	53.6	50.2	47.0	43.9	41.0	38.5	36.3	34.6	33.4	34.9	36.9
140	75.6	73.7	71.6	69.2	66.5	63.8	60.9	58.0	55.0	52.0	49.1	46.4	44.0	41.8	40.0	38.6	37.7	39.0	40.8
145	74.7	72.9	70.9	68.6	66.2	63.6	61.0	58.3	55.8	53.3	50.9	48.7	46.7	45.0	43.6	42.5	41.9	43.0	44.4
150	71.9	70.4	68.7	66.8	64.7	62.6	60.5	58.3	56.3	54.4	52.5	50.9	49.4	48.1	47.1	46.3	45.9	46.7	47.9
155	68.3	67.2	65.9	64.4	62.9	61.3	59.7	58.1	56.6	55.2	53.9	52.8	51.7	50.8	50.1	49.6	49.4	50.0	50.9
160	64.8	64.0	63.1	62.2	61.1	60.1	59.0	57.9	56.9	56.1	55.2	54.5	53.8	53.3	52.8	52.6	52.4	52.9	53.5
165	61.9	61.5	60.9	60.3	59.7	59.1	58.4	57.8	57.3	56.8	56.4	56.0	55.6	55.3	55.1	55.0	55.0	55.3	55.7
170	59.9	59.7	59.4	59.1	58.8	58.5	58.3	58.0	57.8	57.6	57.4	57.2	57.1	57.0	56.9	56.9	56.9	57.1	57.3
175	58.9	58.8	58.7	58.6	58.5	58.5	58.4	58.3	58.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.4
180	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1

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:0.1000A P:11.90W PF:0.9900 Freq:60.00Hz Lamp Flux:1436.36x1 lm																	
NAME: 1FT									TYPE:3500K 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	877	877	877	877	877	877	877	877	877	877	877	876	876	876	875				
5	872	872	872	872	872	872	872	872	872	872	872	872	872	872	872				
10	861	860	860	860	860	859	859	859	860	860	860	861	861	862	862				
15	842	841	840	839	839	838	837	837	838	838	838	839	840	841	842				
20	812	811	809	808	806	805	803	803	803	803	804	804	805	806	807				
25	766	763	761	759	756	754	752	751	751	751	751	751	752	753	754				
30	688	686	684	682	680	679	677	677	676	676	675	675	676	676	677				
35	542	547	552	557	562	566	569	568	566	562	558	552	546	538	530				
40	319	337	356	374	392	409	422	421	417	409	398	383	365	344	319				
45	127	141	155	170	184	198	210	211	210	206	201	193	183	171	156				
50	33.3	40.3	47.8	55.4	62.8	69.6	75.6	75.9	75.0	72.9	69.5	65.0	59.3	52.3	44.1				
55	8.37	10.9	13.6	16.4	19.0	21.4	23.4	23.2	22.5	21.3	19.6	17.4	14.7	11.5	7.75				
60	2.22	2.45	2.71	3.00	3.28	3.56	3.79	3.76	3.68	3.54	3.36	3.13	2.85	2.53	2.15				
65	1.47	1.43	1.40	1.36	1.32	1.29	1.25	1.24	1.23	1.22	1.21	1.21	1.20	1.21	1.21				
70	1.22	1.19	1.16	1.12	1.09	1.05	1.02	1.00	0.98	0.96	0.95	0.93	0.92	0.91	0.90				
75	0.99	0.97	0.94	0.91	0.88	0.85	0.81	0.79	0.76	0.74	0.72	0.69	0.67	0.64	0.62				
80	0.78	0.76	0.73	0.70	0.67	0.64	0.61	0.58	0.55	0.52	0.50	0.47	0.44	0.41	0.38				
85	0.55	0.54	0.52	0.50	0.47	0.45	0.42	0.40	0.37	0.35	0.32	0.29	0.26	0.23	0.19				
90	0.09	0.13	0.17	0.21	0.24	0.28	0.30	0.38	0.46	0.55	0.65	0.75	0.87	0.99	1.12				
95	1.90	2.75	3.69	4.69	5.72	6.73	7.69	8.08	8.39	8.61	8.75	8.80	8.76	8.64	8.43				
100	7.11	8.92	10.9	13.0	15.1	17.2	19.2	20.2	21.0	21.7	22.2	22.6	22.8	22.8	22.7				
105	11.4	13.5	15.8	18.3	20.9	23.5	26.1	27.8	29.3	30.8	32.1	33.4	34.6	35.7	36.6				
110	16.3	18.6	21.3	24.1	27.0	30.0	32.9	34.7	36.4	38.0	39.5	40.8	42.1	43.2	44.2				
115	21.3	24.0	27.0	30.1	33.4	36.6	39.9	41.8	43.7	45.4	46.9	48.3	49.6	50.8	51.7				
120	26.2	29.0	32.2	35.6	39.2	42.7	46.2	48.3	50.3	52.2	53.9	55.4	56.8	58.0	59.1				
125	30.9	33.9	37.3	40.8	44.5	48.2	51.9	54.1	56.3	58.2	60.1	61.7	63.3	64.6	65.8				
130	35.3	38.3	41.6	45.2	48.9	52.6	56.3	58.7	60.9	63.1	65.1	67.0	68.8	70.4	72.0				
135	39.3	42.1	45.2	48.6	52.1	55.6	59.2	61.7	64.1	66.4	68.6	70.8	72.8	74.8	76.8				
140	42.9	45.4	48.2	51.2	54.4	57.6	60.9	63.4	65.7	68.1	70.4	72.7	74.9	77.2	79.4				
145	46.3	48.4	50.8	53.3	56.0	58.9	61.7	63.9	66.1	68.3	70.5	72.7	74.9	77.1	79.2				
150	49.4	51.1	53.0	55.0	57.2	59.5	61.8	63.6	65.4	67.3	69.1	71.0	72.9	74.8	76.7				
155	52.0	53.3	54.8	56.3	57.9	59.7	61.4	62.8	64.2	65.6	67.1	68.5	70.0	71.5	73.0				
160	54.3	55.2	56.2	57.3	58.4	59.6	60.8	61.8	62.8	63.8	64.8	65.8	66.9	67.9	69.0				
165	56.2	56.7	57.3	58.0	58.6	59.4	60.1	60.7	61.3	61.9	62.5	63.2	63.8	64.5	65.1				
170	57.5	57.8	58.1	58.4	58.8	59.1	59.5	59.8	60.1	60.4	60.7	61.0	61.3	61.6	61.9				
175	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8				
180	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1				

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: