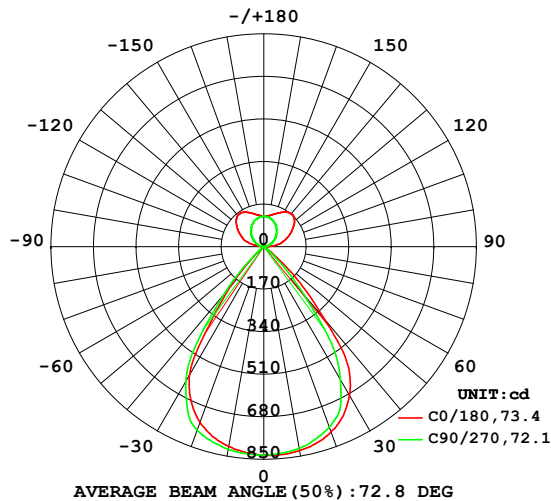


LUMINAIRE PHOTOMETRIC TEST REPORT

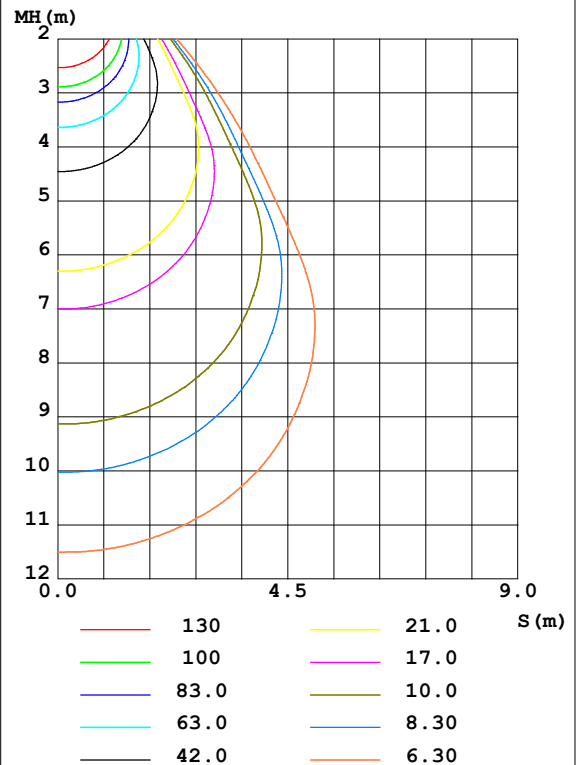
Test:U:119.3V I:0.1330A P:15.80W PF:0.9900 Freq:60.00Hz Lamp Flux:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.04 lm/W			
MODEL		I _{max} (cd)	834.6	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)	1643.8	η UP,DN(C0-180)	15.9,34.8
NOMINAL FLUX(lm)	1643.8	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.7,33.6
LAMPS INSIDE	1	η up(%)	31.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120.0	η down(%)	68.4	CIBSE SHR MAX	1.15

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:

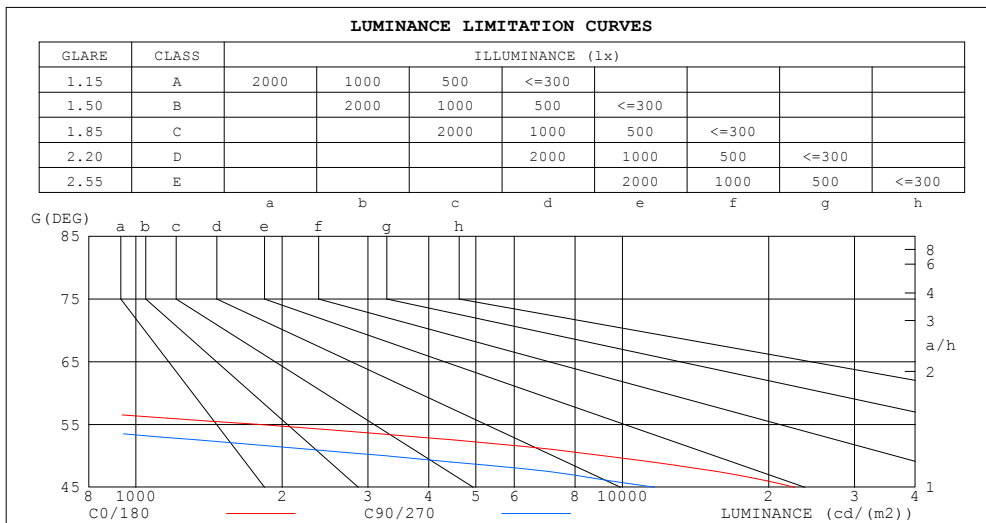
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	827.0	823.9	818.2	814.4	810.7	813.6	822.2	822.4	0- 10	78.82	78.82	4.8,4.8
20	787.7	783.7	766.7	760.8	746.9	756.4	780.0	778.1	10- 20	225.5	304.3	18.5,18.5
30	685.9	686.8	613.0	644.8	594.1	634.0	622.9	670.8	20- 30	329.7	634.1	38.6,38.6
40	378.8	461.8	246.9	409.6	208.3	372.8	242.9	429.7	30- 40	316.2	950.3	57.8,57.8
50	75.96	126.0	27.04	81.72	11.56	54.27	21.70	107.8	40- 50	145.9	1096	66.7,66.7
60	2.446	11.17	3.065	5.893	1.827	4.680	3.851	11.92	50- 60	22.25	1118	68,68
70	1.517	1.649	1.808	1.583	1.021	1.966	2.406	2.003	60- 70	2.715	1121	68.2,68.2
80	0.9037	1.012	0.9114	0.8764	0.4889	1.124	1.355	1.270	70- 80	1.429	1123	68.3,68.3
90	10.37	6.871	0.2600	0.7147	0.2565	0.7749	0.4709	7.003	80- 90	1.301	1124	68.4,68.4
100	63.33	48.33	8.697	38.37	28.55	43.60	9.102	35.12	90-100	18.17	1142	69.5,69.5
110	96.89	76.69	25.91	68.17	85.01	71.92	27.10	68.86	100-110	52.45	1194	72.7,72.7
120	130.4	103.8	43.98	96.66	114.8	99.22	45.56	103.7	110-120	78.09	1273	77.4,77.4
130	161.0	123.5	62.39	118.8	143.7	118.8	63.86	120.7	120-130	92.61	1365	83.1,83.1
140	172.1	130.7	80.65	129.1	162.7	126.9	81.43	126.3	130-140	93.05	1458	88.7,88.7
150	159.8	130.3	97.22	130.3	159.5	127.4	97.50	126.0	140-150	79.92	1538	93.6,93.6
160	140.9	126.6	110.4	127.3	142.9	124.9	110.2	123.6	150-160	58.75	1597	97.1,97.1
170	126.5	123.1	118.7	123.7	128.3	122.5	118.8	121.7	160-170	35.21	1632	99.3,99.3
180	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	170-180	11.68	1644	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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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	593	560
80	400	404
75	354	393
70	341	407
65	349	427
60	376	472
55	1767	614
50	9091	3236
45	22623	11654

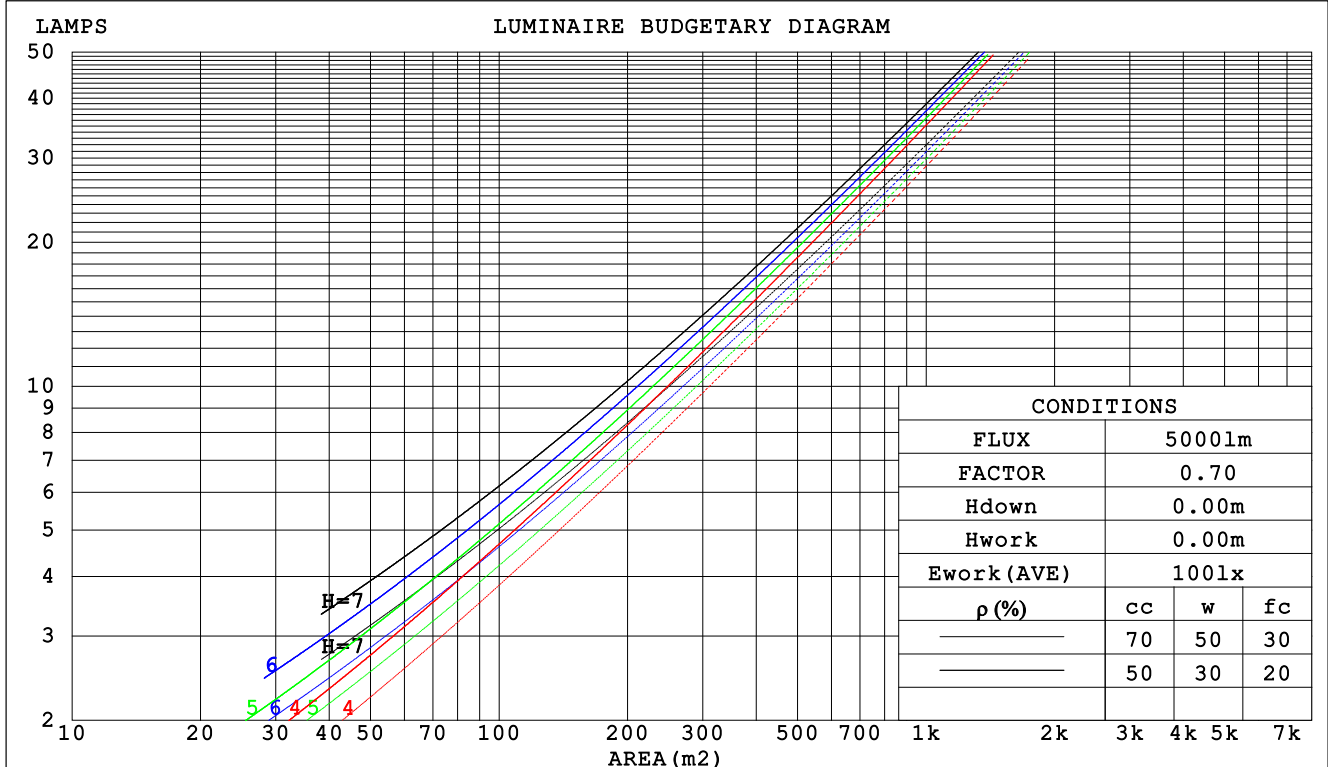
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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	1.12	1.12	1.12	1.05	1.05	1.05	.94	.94	.94	.83	.83	.83	.73	.73	.73	.68
1.0	1.01	.98	.96	.96	.93	.91	.86	.84	.83	.77	.76	.75	.69	.68	.67	.63
2.0	.92	.87	.83	.88	.83	.80	.79	.76	.73	.71	.69	.67	.64	.63	.61	.58
3.0	.84	.78	.73	.80	.75	.71	.73	.69	.66	.66	.63	.61	.60	.58	.56	.53
4.0	.77	.70	.65	.73	.68	.63	.67	.63	.59	.61	.58	.55	.56	.53	.51	.48
5.0	.70	.63	.58	.67	.61	.57	.62	.57	.53	.57	.53	.50	.52	.49	.47	.44
6.0	.64	.58	.53	.62	.56	.51	.57	.52	.48	.53	.49	.46	.49	.45	.43	.41
7.0	.59	.53	.48	.57	.51	.47	.53	.48	.44	.49	.45	.42	.45	.42	.40	.37
8.0	.55	.48	.44	.53	.47	.43	.49	.44	.40	.46	.42	.38	.42	.39	.36	.35
9.0	.51	.44	.40	.49	.43	.39	.46	.41	.37	.43	.38	.35	.40	.36	.34	.32
10.0	.47	.41	.37	.46	.40	.36	.43	.38	.34	.40	.36	.33	.37	.34	.31	.30



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:1643.8x1 lm					
NAME: 1FT			TYPE:3500K 2.8		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:0.29*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.214	.122	.039	.198	.113	.036	.167	.096	.031	.139	.080	.026	.113	.065	.021		
2.0	.203	.111	.034	.189	.104	.032	.161	.090	.028	.136	.076	.024	.112	.063	.020		
3.0	.192	.102	.031	.179	.096	.029	.154	.083	.025	.131	.072	.022	.110	.061	.019		
4.0	.182	.094	.028	.170	.089	.026	.147	.078	.023	.126	.068	.020	.106	.058	.018		
5.0	.172	.088	.025	.161	.083	.024	.140	.073	.022	.121	.064	.019	.103	.055	.017		
6.0	.163	.082	.023	.153	.077	.022	.134	.069	.020	.116	.060	.018	.099	.052	.016		
7.0	.155	.076	.022	.145	.072	.021	.128	.065	.019	.111	.057	.017	.096	.050	.015		
8.0	.147	.072	.020	.138	.068	.019	.122	.061	.017	.107	.054	.016	.092	.047	.014		
9.0	.140	.068	.019	.132	.064	.018	.117	.058	.016	.102	.051	.015	.089	.045	.013		
10.0	.133	.064	.018	.126	.061	.017	.112	.055	.015	.098	.049	.014	.086	.043	.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	.431	.431	.431	.369	.369	.369	.252	.252	.252	.145	.145	.145	.046	.046	.046	
1.0	.417	.400	.385	.357	.343	.331	.244	.236	.229	.140	.137	.133	.045	.044	.043	
2.0	.405	.377	.353	.347	.324	.305	.238	.224	.213	.137	.131	.125	.044	.042	.041	
3.0	.395	.360	.331	.339	.310	.287	.233	.216	.201	.134	.126	.119	.043	.041	.039	
4.0	.387	.346	.315	.332	.299	.274	.229	.209	.193	.132	.122	.114	.043	.040	.038	
5.0	.380	.336	.304	.326	.291	.264	.225	.203	.187	.130	.119	.111	.042	.039	.036	
6.0	.374	.328	.295	.321	.284	.257	.222	.199	.182	.129	.117	.108	.041	.038	.036	
7.0	.368	.321	.288	.316	.278	.251	.219	.195	.178	.127	.115	.106	.041	.038	.035	
8.0	.363	.316	.283	.312	.274	.247	.216	.192	.175	.126	.113	.104	.041	.037	.035	
9.0	.358	.311	.279	.308	.270	.244	.214	.190	.173	.124	.112	.103	.040	.037	.034	
10.0	.353	.307	.276	.305	.267	.241	.211	.188	.171	.123	.111	.102	.040	.036	.034	

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:1643.8x1 lm											
NAME: 1FT						TYPE:3500K 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	2H	19.1	20.0	19.8	20.6	21.3	17.7	18.6	18.3	19.2	19.9
	3H	18.8	19.6	19.5	20.3	21.0	17.4	18.2	18.1	18.9	19.6
	4H	18.7	19.4	19.4	20.1	20.9	17.3	18.0	18.0	18.7	19.5
	6H	18.5	19.2	19.3	19.9	20.7	17.1	17.8	17.9	18.5	19.3
	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	19.1	19.7	20.6	17.0	17.6	17.7	18.3	19.2
4H	2H	18.7	19.4	19.4	20.1	20.9	17.3	18.0	18.0	18.7	19.5
	3H	18.4	19.0	19.1	19.7	20.6	17.0	17.6	17.8	18.3	19.2
	4H	18.2	18.8	19.0	19.5	20.4	16.9	17.4	17.6	18.2	19.1
	6H	18.1	18.6	18.9	19.3	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	17.1	17.4	17.9	18.8
	12H	17.9	18.3	18.8	19.1	20.1	16.5	16.9	17.4	17.7	18.7
8H	4H	18.0	18.4	18.8	19.2	20.2	16.6	17.1	17.4	17.8	18.8
	6H	17.8	18.2	18.7	19.0	20.0	16.5	16.8	17.3	17.6	18.6
	8H	17.8	18.1	18.6	18.9	19.9	16.4	16.7	17.2	17.5	18.6
	12H	17.7	17.9	18.6	18.8	19.9	16.3	16.6	17.2	17.4	18.5
12H	4H	17.9	18.3	18.8	19.1	20.1	16.5	16.9	17.4	17.7	18.7
	6H	17.8	18.1	18.6	18.9	19.9	16.4	16.7	17.2	17.5	18.6
	8H	17.7	17.9	18.6	18.8	19.9	16.3	16.6	17.2	17.4	18.5
Variations with the observer position at spacings:											
S = 1.0H	+ 2.6 / -17.0					+ 3.1 / -16.3					
1.5H	+ 3.4 / - 9.1					+ 3.4 / -13.7					
2.0H	+ 6.6 / -16.9					+ 6.0 / -13.3					

CIE Pub.117 Corrected 1644 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

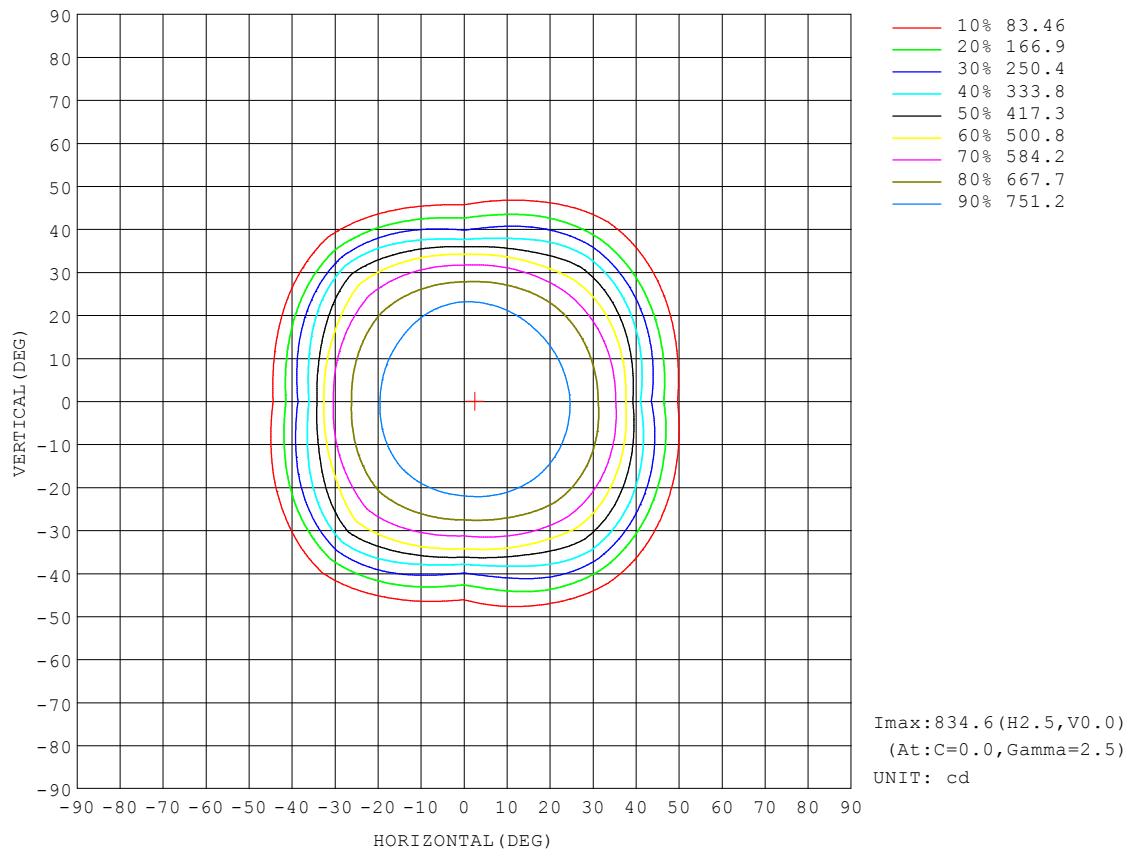
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	57	52	64	56	51	61	54	50	45
0.80	74	65	60	72	64	59	68	62	58	51
1.00	80	72	67	77	70	65	72	67	63	55
1.25	85	78	72	82	75	71	77	71	68	58
1.50	89	82	77	86	79	75	79	75	71	60
2.00	94	87	83	90	84	80	83	78	75	62
2.50	97	91	86	92	87	83	84	81	78	63
3.00	99	94	90	94	90	86	86	83	80	64
4.00	102	98	94	97	93	90	88	85	83	66
5.00	104	100	97	99	96	93	89	87	85	66
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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

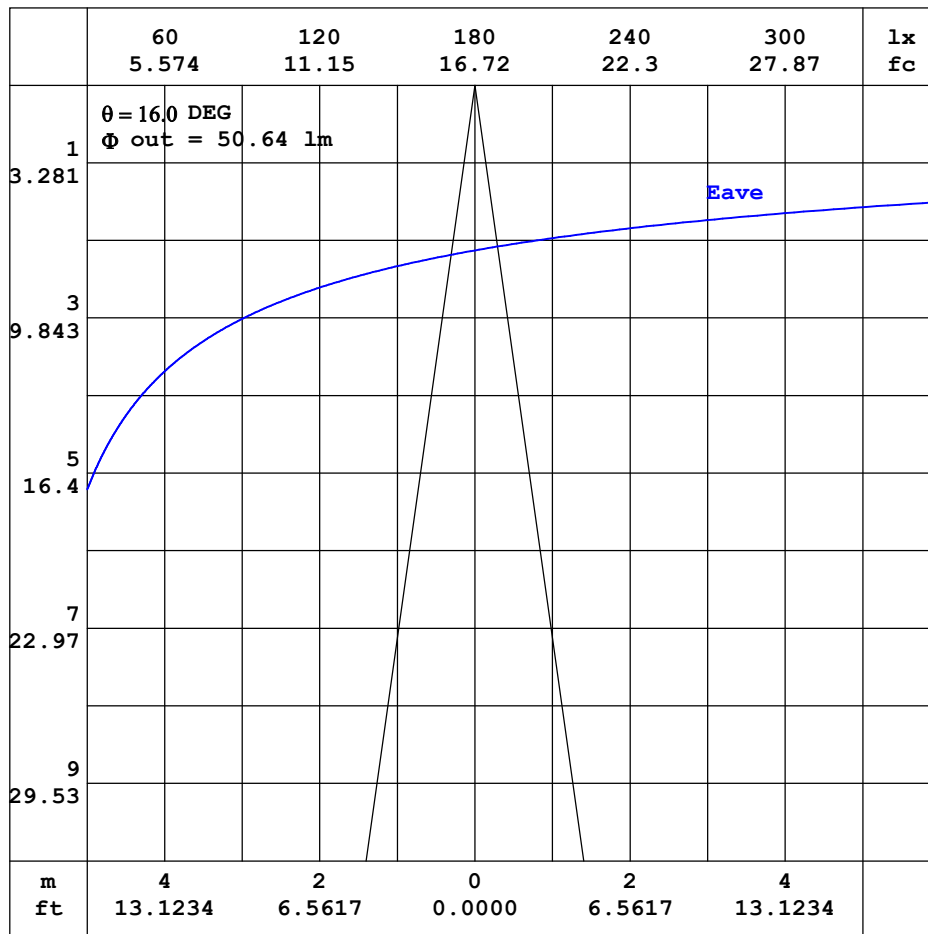


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:



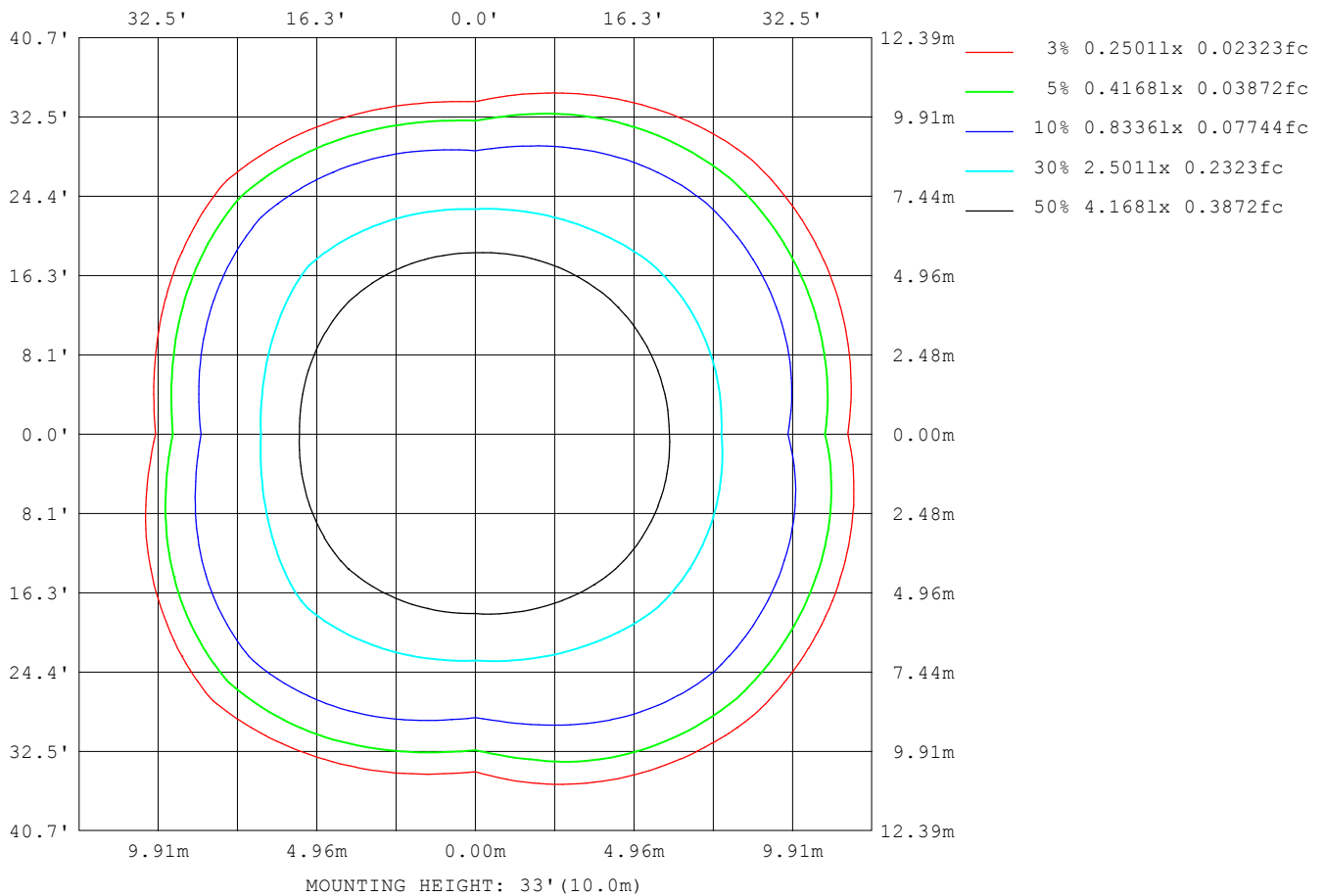
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29*0.045	Shielding Angle:

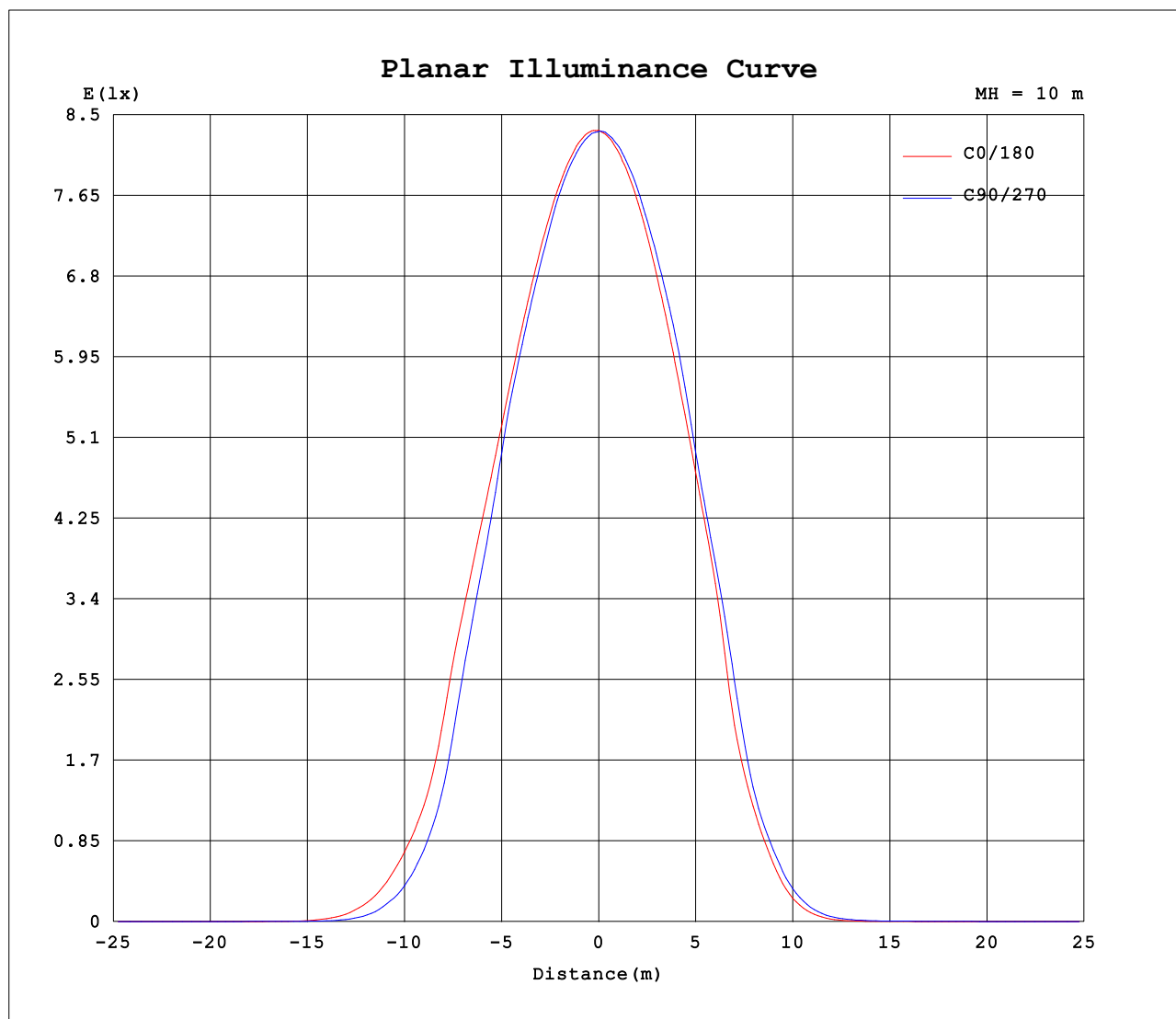
AvgL	cd/m2
L_0~180 (65) av	300
L_0~180 (75) av	284
L_0~180 (85) av	450
L_90~270 (65) av	487
L_90~270 (75) av	471
L_90~270 (85) av	692
L_45 (65) av	418
L_45 (75) av	417
L_45 (85) av	734

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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	834	833	833	833	833	833	833	833	833	833	832	832	832	832	832	832	832	832	833
5	834	834	833	833	833	833	832	832	832	832	831	831	830	830	830	829	829	829	828
10	827	827	827	826	826	826	825	825	824	824	823	823	822	821	821	820	819	819	818
15	813	813	813	813	812	812	811	811	810	809	808	806	805	804	802	801	799	798	797
20	788	788	788	788	788	787	786	786	785	784	782	780	778	776	774	772	770	768	767
25	748	748	748	749	748	748	747	746	745	744	741	739	736	733	731	728	725	722	720
30	686	690	693	694	695	696	695	693	690	687	679	670	662	652	643	635	627	619	613
35	591	598	603	607	609	610	608	606	602	596	583	568	553	538	523	508	495	483	473
40	379	403	423	440	452	462	467	469	467	462	440	416	390	363	336	310	286	265	247
45	208	234	257	276	291	302	310	313	313	310	291	269	245	220	195	170	146	125	107
50	76.0	88.9	100.0	109	117	122	126	128	128	126	117	106	94.6	82.4	70.1	57.9	46.4	36.0	27.0
55	13.2	19.5	25.1	29.9	33.8	36.9	39.3	40.8	41.5	41.5	38.3	34.6	30.3	25.8	21.1	16.5	12.1	8.05	4.57
60	2.45	4.25	5.84	7.23	8.40	9.37	10.1	10.7	11.0	11.2	10.6	9.85	8.97	8.00	6.97	5.92	4.90	3.93	3.06
65	1.92	1.95	1.99	2.02	2.05	2.08	2.11	2.13	2.16	2.18	2.21	2.24	2.27	2.29	2.31	2.33	2.34	2.35	2.35
70	1.52	1.53	1.54	1.56	1.57	1.59	1.60	1.62	1.63	1.65	1.67	1.70	1.72	1.74	1.76	1.78	1.79	1.80	1.81
75	1.19	1.21	1.23	1.24	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.32	1.33	1.33	1.33	1.33	1.33	1.33	1.32
80	0.90	0.93	0.95	0.96	0.98	0.99	1.00	1.01	1.01	1.01	1.01	1.00	0.99	0.98	0.96	0.95	0.94	0.92	0.91
85	0.67	0.70	0.72	0.74	0.75	0.76	0.77	0.78	0.78	0.78	0.77	0.75	0.74	0.72	0.70	0.68	0.66	0.65	0.64
90	10.4	10.1	9.86	9.55	9.20	8.81	8.38	7.92	7.41	6.87	6.10	5.31	4.51	3.71	2.93	2.18	1.48	0.83	0.26
95	31.4	32.1	32.5	32.6	32.5	32.0	31.3	30.3	29.0	27.5	24.5	21.3	18.0	14.7	11.5	8.43	5.58	3.05	0.93
100	63.3	62.9	62.1	61.1	59.7	58.0	56.1	53.8	51.2	48.3	43.4	38.3	33.2	28.2	23.3	18.8	14.8	11.4	8.70
105	80.3	79.6	78.5	77.1	75.4	73.3	71.0	68.3	65.2	61.9	56.2	50.4	44.5	38.8	33.3	28.2	23.7	19.9	17.0
110	96.9	96.2	95.0	93.6	91.7	89.4	86.8	83.8	80.4	76.7	70.3	63.7	57.1	50.5	44.3	38.6	33.5	29.2	25.9
115	114	113	112	110	108	105	102	98.8	95.0	90.8	83.7	76.4	69.0	61.8	55.0	48.7	43.1	38.5	34.9
120	130	129	127	125	123	120	116	113	108	104	96.2	88.3	80.4	72.7	65.4	58.6	52.7	47.7	44.0
125	147	145	142	140	137	133	129	125	120	115	107	98.9	90.6	82.6	75.0	68.1	62.0	57.0	53.2
130	161	158	155	151	147	143	139	134	129	123	115	107	98.8	90.8	83.4	76.7	70.8	66.0	62.4
135	170	166	162	158	153	149	144	139	134	128	121	113	105	97.6	90.7	84.5	79.1	74.8	71.6
140	172	168	164	159	155	150	145	141	136	131	124	117	110	103	97.1	91.7	87.0	83.3	80.6
145	168	164	160	156	152	148	144	140	135	131	125	119	113	108	103	98.3	94.5	91.4	89.3
150	160	157	154	150	147	144	141	137	134	130	126	121	116	112	108	104	101	98.9	97.2
155	150	148	146	143	141	138	136	134	131	129	125	122	118	115	112	109	107	106	104
160	141	139	138	136	135	133	132	130	128	127	124	122	120	118	116	114	112	111	110
165	133	132	131	130	129	128	127	127	126	125	123	122	121	119	118	117	116	116	115
170	126	126	126	125	125	125	124	124	123	123	122	122	121	121	120	120	119	119	119
175	123	123	123	123	123	123	122	122	122	122	122	122	122	121	121	121	121	121	121
180	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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	833	833	833	833	833	833	833	833	833	833	833	833	833	833	833	833	834	834	833
5	828	828	827	827	827	827	827	827	826	826	826	826	826	825	825	825	825	825	825
10	818	817	817	816	816	816	815	815	814	814	813	813	812	812	812	811	811	811	811
15	796	796	796	795	795	795	795	795	795	794	793	791	790	789	788	788	787	786	786
20	766	765	764	764	763	763	762	762	761	759	757	756	754	752	750	749	748	747	747
25	719	718	717	717	716	715	715	714	713	709	706	703	699	696	693	690	688	686	687
30	615	618	621	625	630	634	638	642	645	640	635	629	622	616	609	604	598	594	597
35	479	488	497	507	517	527	535	542	546	529	510	489	467	446	425	406	390	376	387
40	260	277	296	317	338	359	379	396	410	392	371	347	322	296	271	247	226	208	221
45	115	127	140	155	171	187	202	215	226	212	196	178	159	139	120	101	84.6	70.1	75.9
50	30.6	35.7	41.9	48.9	56.3	63.6	70.6	76.7	81.7	75.7	68.5	60.5	51.8	42.9	34.1	25.8	18.1	11.6	14.2
55	5.98	7.96	10.4	13.1	15.9	18.8	21.6	24.0	26.1	24.2	21.8	19.1	16.2	13.2	10.2	7.30	4.67	2.41	3.33
60	3.17	3.38	3.67	4.03	4.43	4.84	5.23	5.59	5.89	5.53	5.10	4.62	4.12	3.60	3.10	2.62	2.19	1.83	2.00
65	2.34	2.32	2.30	2.27	2.24	2.20	2.15	2.11	2.05	1.96	1.86	1.76	1.67	1.59	1.51	1.45	1.41	1.38	1.46
70	1.80	1.79	1.77	1.75	1.73	1.70	1.66	1.63	1.58	1.50	1.42	1.34	1.27	1.19	1.13	1.08	1.04	1.02	1.09
75	1.32	1.31	1.30	1.29	1.27	1.26	1.24	1.21	1.18	1.12	1.05	0.99	0.92	0.86	0.81	0.77	0.74	0.72	0.78
80	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.89	0.88	0.83	0.77	0.72	0.67	0.62	0.57	0.54	0.51	0.49	0.54
85	0.65	0.66	0.68	0.69	0.70	0.72	0.72	0.73	0.73	0.69	0.64	0.59	0.54	0.49	0.45	0.41	0.37	0.35	0.38
90	0.30	0.35	0.40	0.46	0.51	0.57	0.62	0.66	0.71	0.67	0.63	0.57	0.51	0.45	0.39	0.34	0.29	0.26	0.30
95	1.56	2.60	3.97	5.59	7.36	9.22	11.1	12.8	14.4	13.9	13.3	12.4	11.5	10.6	9.62	8.75	8.02	7.46	8.79
100	10.6	13.1	16.3	19.8	23.6	27.5	31.4	35.0	38.4	38.1	37.3	36.3	35.1	33.7	32.2	30.8	29.6	28.5	30.4
105	19.1	22.0	25.7	29.9	34.5	39.4	44.4	49.4	54.2	56.5	58.4	60.1	61.4	62.5	63.4	63.9	64.3	64.4	64.8
110	28.2	31.4	35.5	40.2	45.5	51.1	56.8	62.6	68.2	71.4	74.3	76.8	79.1	81.0	82.5	83.7	84.5	85.0	85.1
115	37.6	41.4	46.1	51.5	57.5	63.8	70.3	76.8	83.1	86.4	89.4	92.0	94.2	96.0	97.4	98.5	99.2	99.5	99.7
120	47.0	51.1	56.3	62.2	68.8	75.7	82.8	89.8	96.7	100	104	106	109	111	113	114	114	115	115
125	56.4	60.8	66.2	72.5	79.4	86.7	94.2	102	109	113	117	120	123	125	127	129	130	130	130
130	65.6	70.0	75.5	81.8	88.8	96.1	104	111	119	123	128	131	135	138	140	142	143	144	143
135	74.6	78.7	83.9	89.8	96.4	103	111	118	125	131	135	140	144	147	150	153	155	156	154
140	83.2	86.9	91.4	96.8	103	109	116	122	129	135	140	145	149	153	157	159	161	163	161
145	91.4	94.4	98.3	103	108	113	119	125	130	136	141	146	150	154	158	160	163	164	162
150	98.9	101	104	108	112	116	121	126	130	135	139	143	147	151	154	156	158	160	158
155	106	107	110	112	115	119	122	125	129	133	136	139	142	145	147	149	151	152	150
160	111	112	114	116	118	120	122	125	127	130	132	134	136	138	140	141	142	143	142
165	116	116	117	119	120	121	122	124	125	127	128	130	131	132	133	134	134	135	134
170	119	119	120	120	121	122	122	123	124	124	125	126	126	127	127	128	128	128	128
175	121	121	121	121	122	122	122	122	123	123	123	123	123	124	124	124	124	124	124
180	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122

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:1643.8x1 lm		
NAME: 1FT	TYPE:3500K 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	833	833	833	833	833	833	833	833	832	832	832	832	832	832	832	832	833	833	833
5	825	826	826	826	826	826	827	827	827	828	828	828	829	829	829	830	830	830	830
10	811	811	811	812	812	812	813	814	815	816	817	818	819	820	820	821	822	822	822
15	786	787	787	788	789	790	791	792	793	795	796	798	800	801	803	804	805	806	806
20	747	748	749	750	751	753	754	756	759	762	765	767	770	773	776	778	780	780	780
25	688	690	692	695	698	701	704	707	709	710	712	714	715	717	718	720	722	723	725
30	600	604	609	614	619	625	630	634	633	632	631	629	627	626	624	623	623	627	632
35	401	417	435	454	473	492	509	525	522	516	509	500	492	483	474	467	461	468	477
40	236	255	275	297	318	338	357	373	362	348	332	315	298	281	266	253	243	258	277
45	84.2	94.4	106	118	131	144	155	165	159	150	141	132	123	114	107	101	98.3	114	132
50	17.9	22.5	27.8	33.4	39.1	44.7	49.8	54.3	50.8	46.7	42.2	37.6	33.1	29.0	25.5	23.0	21.7	29.7	38.9
55	4.64	6.25	8.06	9.99	12.0	13.9	15.6	17.1	15.7	14.2	12.4	10.7	9.05	7.59	6.42	5.65	5.37	9.16	13.4
60	2.24	2.53	2.87	3.24	3.61	3.99	4.35	4.68	4.54	4.37	4.19	4.02	3.87	3.76	3.71	3.73	3.85	4.79	5.81
65	1.56	1.67	1.80	1.93	2.08	2.22	2.36	2.50	2.59	2.68	2.76	2.82	2.88	2.93	2.97	2.99	3.00	2.98	2.94
70	1.17	1.27	1.37	1.49	1.61	1.73	1.85	1.97	2.05	2.12	2.19	2.24	2.29	2.34	2.37	2.39	2.41	2.39	2.36
75	0.84	0.93	1.01	1.11	1.21	1.31	1.41	1.50	1.57	1.62	1.68	1.72	1.76	1.79	1.82	1.84	1.85	1.84	1.83
80	0.59	0.66	0.73	0.81	0.89	0.97	1.05	1.12	1.17	1.21	1.24	1.27	1.30	1.32	1.33	1.35	1.36	1.36	1.36
85	0.43	0.48	0.53	0.59	0.65	0.72	0.78	0.84	0.86	0.88	0.89	0.91	0.92	0.92	0.93	0.93	0.93	0.95	0.96
90	0.35	0.41	0.47	0.54	0.60	0.67	0.72	0.77	0.68	0.66	0.64	0.61	0.58	0.55	0.52	0.49	0.47	1.04	1.68
95	10.3	11.9	13.5	15.1	16.5	17.8	18.9	19.6	17.7	15.5	13.2	10.7	8.29	5.96	3.84	2.02	0.61	1.99	3.80
100	32.4	34.5	36.6	38.6	40.4	41.9	43.0	43.6	40.2	36.3	32.2	27.8	23.5	19.3	15.4	12.0	9.10	10.1	11.7
105	65.0	64.9	64.5	63.9	62.9	61.6	59.9	57.8	53.1	48.2	43.1	38.0	33.0	28.4	24.2	20.6	17.8	19.0	20.9
110	84.8	84.1	83.0	81.5	79.7	77.5	74.9	71.9	66.3	60.5	54.7	48.9	43.4	38.3	33.7	30.0	27.1	29.3	32.4
115	99.4	98.8	97.8	96.4	94.6	92.3	89.6	86.5	80.2	73.7	67.0	60.5	54.4	48.7	43.7	39.5	36.5	39.6	43.8
120	114	114	112	111	108	106	103	99.2	92.4	85.3	78.2	71.2	64.5	58.4	53.1	48.7	45.6	49.1	53.9
125	129	128	126	124	121	118	114	110	103	95.8	88.4	81.1	74.2	67.9	62.4	57.9	54.6	58.1	62.9
130	142	140	138	135	131	128	123	119	112	104	96.8	89.7	82.9	76.8	71.4	67.0	63.9	67.0	71.3
135	152	150	147	143	139	134	129	124	117	110	103	96.5	90.2	84.6	79.6	75.7	72.8	75.5	79.3
140	159	156	152	148	143	138	132	127	121	114	108	102	96.4	91.5	87.3	83.9	81.4	83.6	86.8
145	160	156	153	148	144	138	133	128	122	117	112	107	102	97.9	94.4	91.6	89.7	91.3	93.9
150	155	153	149	145	141	137	132	127	123	119	114	111	107	104	101	99.0	97.5	98.8	101
155	148	146	143	140	137	133	130	126	123	120	117	114	111	109	107	105	104	105	107
160	141	139	137	135	132	130	127	125	123	121	118	117	115	113	112	111	110	111	112
165	133	132	131	130	128	127	125	124	122	121	120	119	118	117	116	115	115	115	116
170	127	127	126	126	125	124	123	123	122	121	121	120	120	119	119	119	119	119	119
175	124	123	123	123	123	122	122	122	122	122	121	121	121	121	121	121	121	121	121
180	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122

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:1643.8x1 lm																	
NAME: 1FT									TYPE:3500K 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	833	833	833	833	833	833	833	833	833	833	833	833	833	833	833				
5	830	830	830	830	830	831	831	831	831	831	832	832	833	833	833				
10	823	823	823	822	822	822	822	823	823	823	824	824	825	826	826				
15	806	806	806	806	806	805	805	806	807	807	808	809	810	811	812				
20	780	780	780	779	779	778	778	779	779	780	781	782	783	785	786				
25	726	728	729	731	732	733	735	736	738	739	741	742	743	745	746				
30	637	642	648	654	660	665	671	674	677	680	682	683	685	685	686				
35	488	499	512	524	537	550	562	569	574	579	584	587	589	591	591				
40	297	320	343	366	389	411	430	436	439	439	436	431	422	411	396				
45	151	171	192	212	232	250	266	271	273	272	268	262	252	240	226				
50	48.9	59.4	70.0	80.5	90.5	99.7	108	110	111	110	108	105	99.7	93.2	85.3				
55	17.9	22.6	27.2	31.6	35.7	39.3	42.3	42.3	41.5	39.9	37.5	34.2	30.2	25.3	19.7				
60	6.86	7.91	8.93	9.87	10.7	11.4	11.9	11.7	11.3	10.7	9.87	8.82	7.55	6.07	4.36				
65	2.89	2.83	2.77	2.69	2.62	2.54	2.46	2.40	2.34	2.28	2.22	2.16	2.10	2.04	1.98				
70	2.33	2.29	2.24	2.18	2.13	2.07	2.00	1.95	1.90	1.85	1.80	1.74	1.69	1.63	1.57				
75	1.82	1.79	1.76	1.73	1.70	1.66	1.61	1.58	1.54	1.49	1.45	1.40	1.35	1.30	1.25				
80	1.36	1.35	1.34	1.33	1.31	1.29	1.27	1.24	1.21	1.18	1.14	1.10	1.06	1.01	0.96				
85	0.97	0.98	0.99	0.99	0.99	0.99	0.98	0.97	0.95	0.92	0.89	0.86	0.82	0.77	0.72				
90	2.38	3.12	3.90	4.68	5.47	6.25	7.00	7.53	8.03	8.48	8.89	9.27	9.60	9.90	10.2				
95	5.96	8.41	11.1	13.9	16.7	19.6	22.3	24.0	25.5	26.8	27.9	28.9	29.8	30.5	31.0				
100	13.9	16.7	19.8	23.3	27.1	31.1	35.1	38.1	41.2	44.3	47.4	50.5	53.7	56.9	60.1				
105	23.6	26.8	30.6	34.7	39.1	43.8	48.5	52.0	55.5	59.0	62.5	66.0	69.6	73.2	76.7				
110	36.4	40.9	46.0	51.5	57.2	63.1	68.9	72.7	76.3	79.7	83.0	86.1	89.1	91.8	94.5				
115	48.8	54.7	61.0	67.8	74.8	81.8	88.6	92.8	96.6	100	103	106	109	111	113				
120	59.6	66.1	73.2	80.8	88.5	96.2	104	108	112	116	119	122	125	127	129				
125	68.6	75.2	82.5	90.2	98.1	106	114	119	124	128	132	136	139	142	145				
130	76.7	82.9	89.8	97.2	105	113	121	126	131	136	141	145	149	154	157				
135	84.0	89.6	95.9	103	110	117	125	130	135	140	145	150	155	160	165				
140	90.8	95.6	101	107	113	120	126	131	136	141	147	152	157	162	167				
145	97.1	101	105	110	116	121	127	131	136	140	145	149	154	159	163				
150	103	106	110	113	117	122	126	130	133	137	140	144	148	152	156				
155	108	110	113	116	119	122	125	127	130	133	136	138	141	144	147				
160	113	114	116	118	119	121	124	125	127	129	131	133	135	137	139				
165	116	117	118	119	120	121	123	124	125	126	127	128	129	130	131				
170	119	120	120	120	121	121	122	122	123	123	124	124	125	125	126				
175	121	121	121	121	121	121	121	122	122	122	122	122	122	123	123				
180	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122				

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: