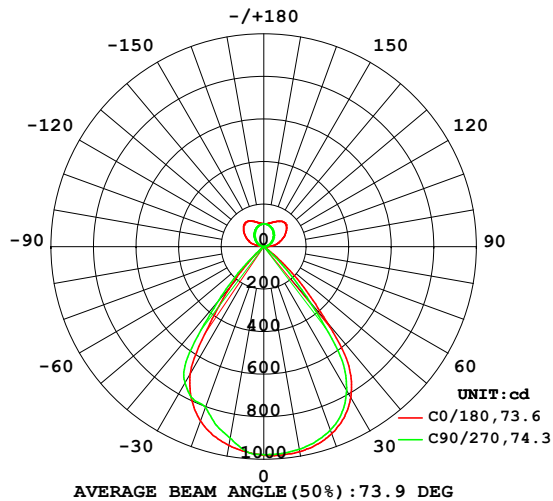


LUMINAIRE PHOTOMETRIC TEST REPORT

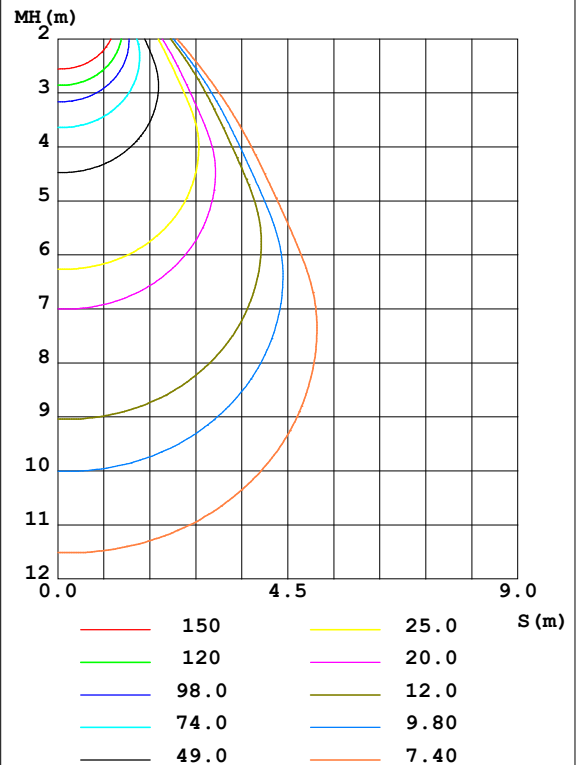
Test:U:119.3V I:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.31 lm/W			
MODEL		I _{max} (cd)	983.5	S/MH (C0/180)	1.15
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH (C90/270)	1.07
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1781.0	η UP,DN (C0-180)	13.0,38.8
NOMINAL FLUX(lm)	1781.01	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	12.6,35.6
LAMPS INSIDE	1	η up (%)	25.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down (%)	74.4	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:

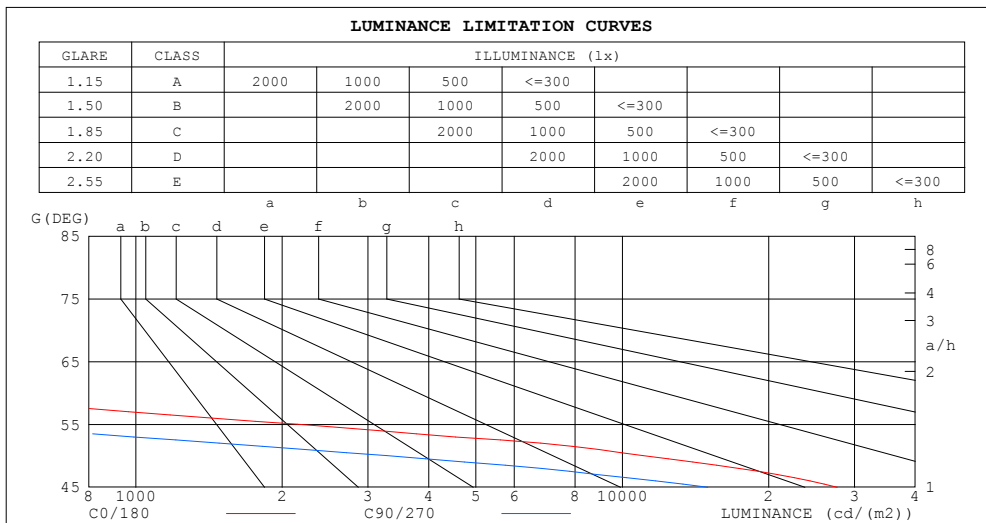
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	978.1	974.1	966.8	955.9	948.7	929.3	913.3	944.6	0- 10	92.17	92.17	5.17,5.17
20	935.0	932.7	917.5	896.2	871.8	816.6	803.4	855.3	10- 20	259.1	351.2	19.7,19.7
30	818.3	818.9	779.5	762.4	692.7	660.9	740.4	714.4	20- 30	377.5	728.8	40.9,40.9
40	460.7	574.5	336.6	493.8	242.2	430.0	328.9	522.7	30- 40	377.5	1106	62.1,62.1
50	92.20	173.0	27.42	93.28	14.92	92.85	29.34	127.4	40- 50	183.4	1290	72.4,72.4
60	3.241	17.09	2.377	6.654	2.781	7.014	4.345	11.62	50- 60	28.42	1318	74,74
70	1.999	1.675	1.621	1.465	1.517	2.508	2.653	2.621	60- 70	3.194	1321	74.2,74.2
80	1.195	1.140	1.052	0.9393	0.7453	1.369	1.437	1.606	70- 80	1.667	1323	74.3,74.3
90	9.534	6.532	0.1639	0.7558	0.3799	0.9880	0.5353	6.231	80- 90	1.411	1324	74.4,74.4
100	56.72	43.85	8.076	34.75	24.67	37.22	7.627	29.19	90-100	16.05	1340	75.3,75.3
110	86.88	69.03	23.79	61.18	74.24	61.54	22.81	58.71	100-110	46.15	1386	77.8,77.8
120	117.2	92.45	40.34	86.08	100.4	85.66	38.68	89.13	110-120	68.77	1455	81.7,81.7
130	141.3	108.3	56.91	105.0	125.1	103.8	55.04	104.3	120-130	81.27	1536	86.3,86.3
140	150.2	114.2	72.71	114.3	141.2	111.7	70.93	109.8	130-140	81.48	1618	90.8,90.8
150	138.5	114.0	86.72	115.5	139.6	112.6	85.47	109.8	140-150	70.06	1688	94.8,94.8
160	122.3	111.4	98.04	113.1	125.6	110.5	97.17	108.2	150-160	51.63	1740	97.7,97.7
170	110.6	108.7	105.2	109.9	113.0	108.5	104.9	106.9	160-170	31.04	1771	99.4,99.4
180	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	170-180	10.31	1781	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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	769	685
80	529	466
75	464	392
70	450	365
65	460	350
60	499	366
55	2149	497
50	11034	3281
45	27664	14996

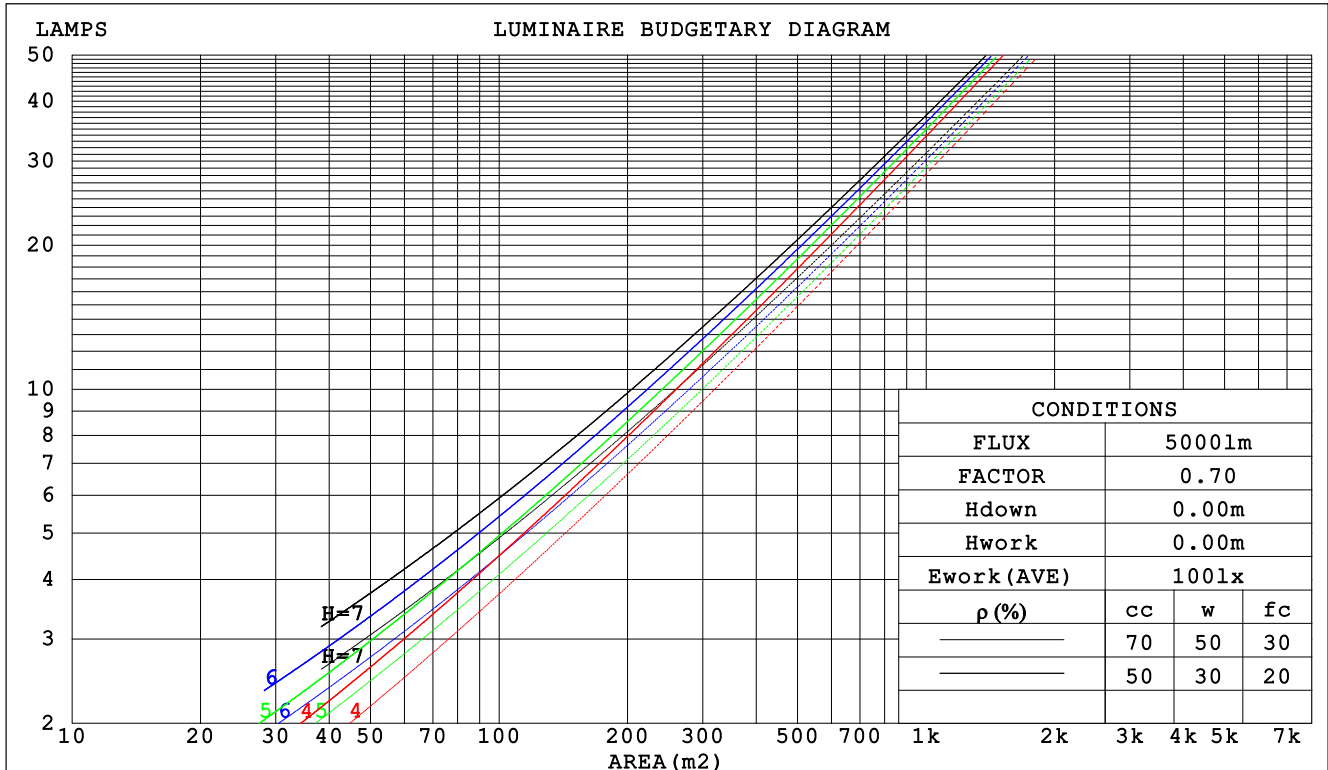
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	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	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	1.03	.00	.97	.98	.96	.93	.89	.88	.86	.81	.80	.79	.74	.73	.72	.69
2.0	.94	.89	.85	.90	.86	.82	.82	.79	.76	.75	.73	.71	.69	.67	.66	.63
3.0	.85	.80	.75	.82	.77	.73	.76	.72	.68	.70	.67	.64	.64	.62	.60	.57
4.0	.78	.72	.67	.75	.70	.65	.70	.65	.62	.65	.61	.58	.60	.57	.55	.52
5.0	.72	.65	.60	.69	.63	.59	.64	.59	.56	.60	.56	.53	.56	.53	.50	.48
6.0	.66	.59	.54	.64	.58	.53	.60	.54	.51	.56	.51	.48	.52	.49	.46	.44
7.0	.61	.54	.49	.59	.53	.48	.55	.50	.46	.52	.47	.44	.49	.45	.42	.40
8.0	.56	.50	.45	.55	.48	.44	.51	.46	.42	.48	.44	.41	.45	.42	.39	.37
9.0	.52	.46	.41	.51	.45	.40	.48	.43	.39	.45	.41	.38	.43	.39	.36	.34
10.0	.49	.42	.38	.47	.41	.37	.45	.40	.36	.42	.38	.35	.40	.36	.33	.32



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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm					
NAME: 1FT			TYPE:4000K 1.9		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:0.29		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	.211	.120	.038	.197	.112	.036	.169	.097	.031	.144	.083	.027	.121	.070	.023		
2.0	.201	.110	.034	.188	.104	.032	.164	.091	.028	.141	.079	.025	.121	.068	.022		
3.0	.191	.102	.030	.179	.096	.029	.157	.085	.026	.137	.075	.023	.118	.065	.020		
4.0	.181	.094	.028	.170	.089	.026	.150	.080	.024	.132	.071	.021	.115	.062	.019		
5.0	.172	.087	.025	.162	.083	.024	.144	.075	.022	.127	.067	.020	.111	.059	.018		
6.0	.163	.082	.023	.154	.078	.022	.137	.070	.020	.122	.063	.019	.107	.056	.017		
7.0	.155	.076	.022	.147	.073	.021	.131	.066	.019	.117	.060	.017	.103	.054	.016		
8.0	.147	.072	.020	.140	.069	.019	.125	.063	.018	.112	.057	.016	.100	.051	.015		
9.0	.140	.068	.019	.133	.065	.018	.120	.059	.017	.108	.054	.015	.096	.049	.014		
10.0	.133	.064	.018	.127	.061	.017	.115	.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	.386	.386	.386	.330	.330	.330	.225	.225	.225	.129	.129	.129	.041	.041	.041	
1.0	.370	.354	.339	.317	.304	.292	.217	.209	.202	.125	.121	.117	.040	.039	.038	
2.0	.358	.331	.307	.307	.285	.266	.210	.197	.185	.121	.115	.109	.039	.037	.035	
3.0	.349	.313	.285	.299	.270	.247	.205	.188	.173	.119	.110	.102	.038	.036	.033	
4.0	.340	.300	.269	.292	.259	.233	.201	.180	.164	.116	.106	.097	.037	.034	.032	
5.0	.333	.289	.257	.286	.250	.223	.197	.175	.158	.114	.103	.094	.037	.033	.031	
6.0	.327	.281	.248	.281	.243	.216	.194	.170	.153	.112	.100	.091	.036	.033	.030	
7.0	.321	.274	.241	.276	.238	.210	.191	.167	.149	.111	.098	.089	.036	.032	.029	
8.0	.315	.268	.236	.272	.233	.206	.188	.163	.146	.109	.096	.087	.035	.032	.029	
9.0	.311	.264	.232	.268	.229	.202	.185	.161	.144	.108	.095	.086	.035	.031	.028	
10.0	.306	.260	.229	.264	.226	.200	.183	.159	.142	.107	.094	.085	.035	.031	.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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm										
NAME: 1FT					TYPE:4000K 1.9			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:0.29			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	20.4	21.3	21.0	21.8	22.5	19.2	20.1	19.8	20.7	21.3
3H	20.1	20.9	20.7	21.5	22.2	18.9	19.8	19.6	20.4	21.0
4H	20.0	20.7	20.6	21.4	22.1	18.8	19.6	19.4	20.2	20.9
6H	19.8	20.6	20.5	21.2	21.9	18.7	19.4	19.3	20.0	20.7
8H	19.8	20.5	20.4	21.1	21.8	18.6	19.3	19.3	19.9	20.7
12H	19.7	20.3	20.4	21.0	21.8	18.5	19.2	19.2	19.8	20.6
4H 2H	20.0	20.8	20.6	21.4	22.1	18.8	19.6	19.5	20.2	20.9
3H	19.7	20.4	20.4	21.0	21.8	18.6	19.2	19.2	19.9	20.6
4H	19.6	20.1	20.3	20.8	21.6	18.4	19.0	19.1	19.7	20.5
6H	19.4	19.9	20.2	20.6	21.5	18.3	18.8	19.0	19.5	20.3
8H	19.4	19.8	20.1	20.5	21.4	18.2	18.7	18.9	19.4	20.2
12H	19.3	19.7	20.0	20.4	21.3	18.1	18.5	18.9	19.3	20.2
8H 4H	19.3	19.8	20.1	20.5	21.4	18.2	18.7	18.9	19.4	20.2
6H	19.2	19.6	20.0	20.3	21.2	18.0	18.4	18.8	19.2	20.1
8H	19.1	19.4	19.9	20.2	21.2	18.0	18.3	18.8	19.1	20.0
12H	19.0	19.3	19.9	20.1	21.1	17.9	18.2	18.7	19.0	19.9
12H 4H	19.3	19.7	20.0	20.4	21.3	18.1	18.5	18.9	19.3	20.2
6H	19.1	19.4	19.9	20.2	21.2	18.0	18.3	18.8	19.1	20.0
8H	19.0	19.3	19.9	20.1	21.1	17.9	18.2	18.7	19.0	19.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -16.4					+ 3.0 / -16.6				
1.5H	+ 3.2 / - 8.2					+ 3.4 / -15.5				
2.0H	+ 6.5 / -17.2					+ 5.9 / -15.0				

CIE Pub.117 Corrected 1781 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:

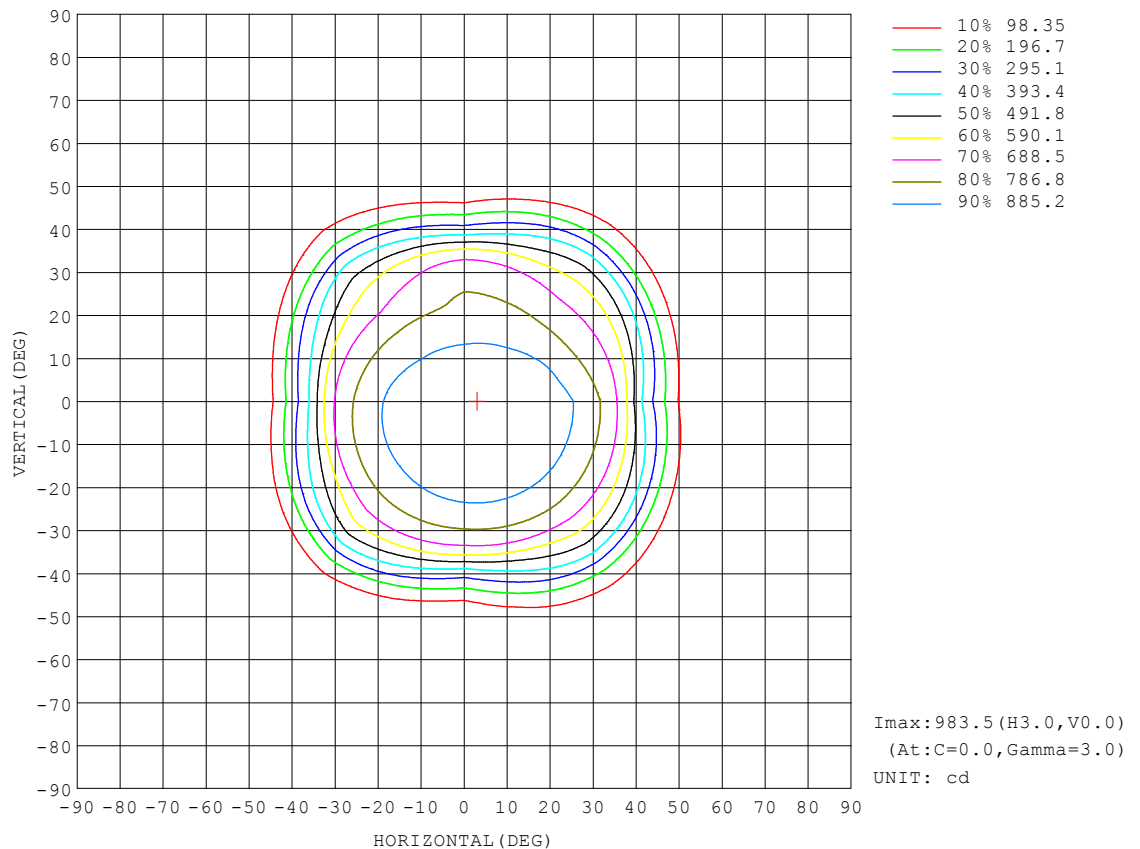
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	60	55	66	59	54	64	57	53	48
0.80	77	68	63	75	67	63	71	65	61	55
1.00	83	75	70	80	73	69	76	71	67	59
1.25	88	81	76	85	79	74	80	75	71	63
1.50	92	85	80	89	83	78	83	78	75	65
2.00	96	90	85	93	87	83	86	82	79	68
2.50	99	93	89	95	90	86	88	84	81	69
3.00	101	96	92	97	93	89	89	86	84	70
4.00	104	100	96	100	96	93	91	89	87	71
5.00	106	102	99	101	98	96	92	90	88	72
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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:

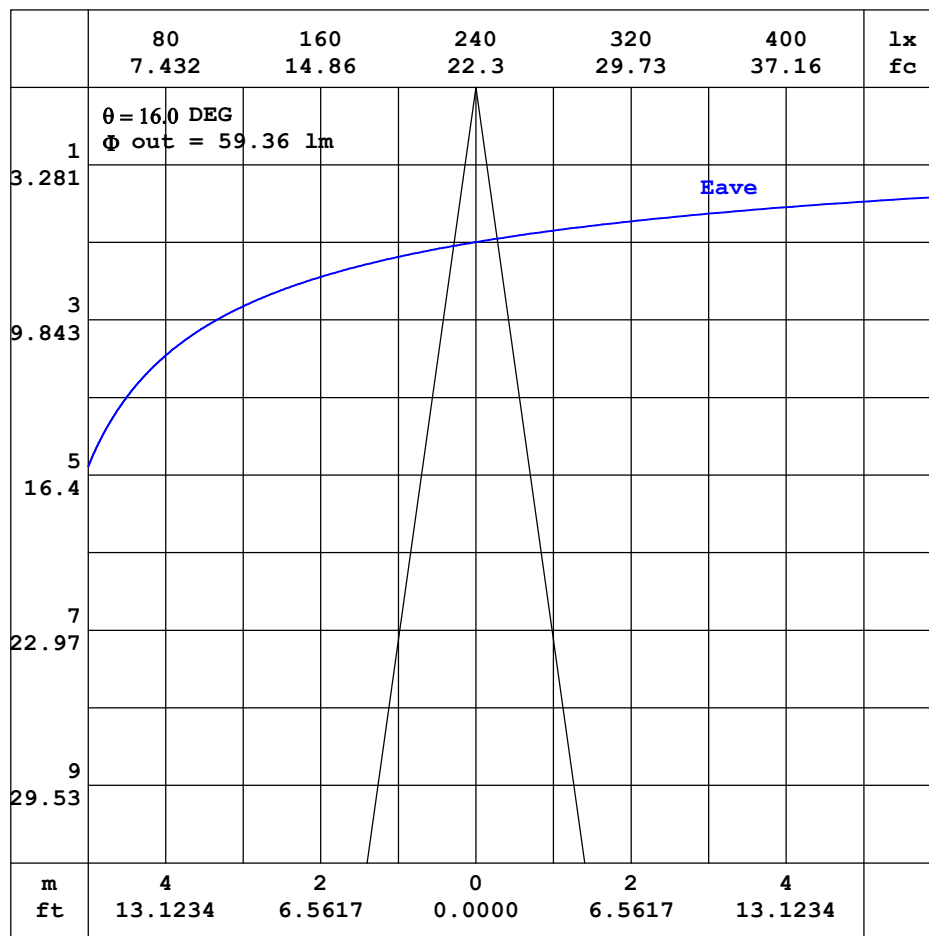


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:



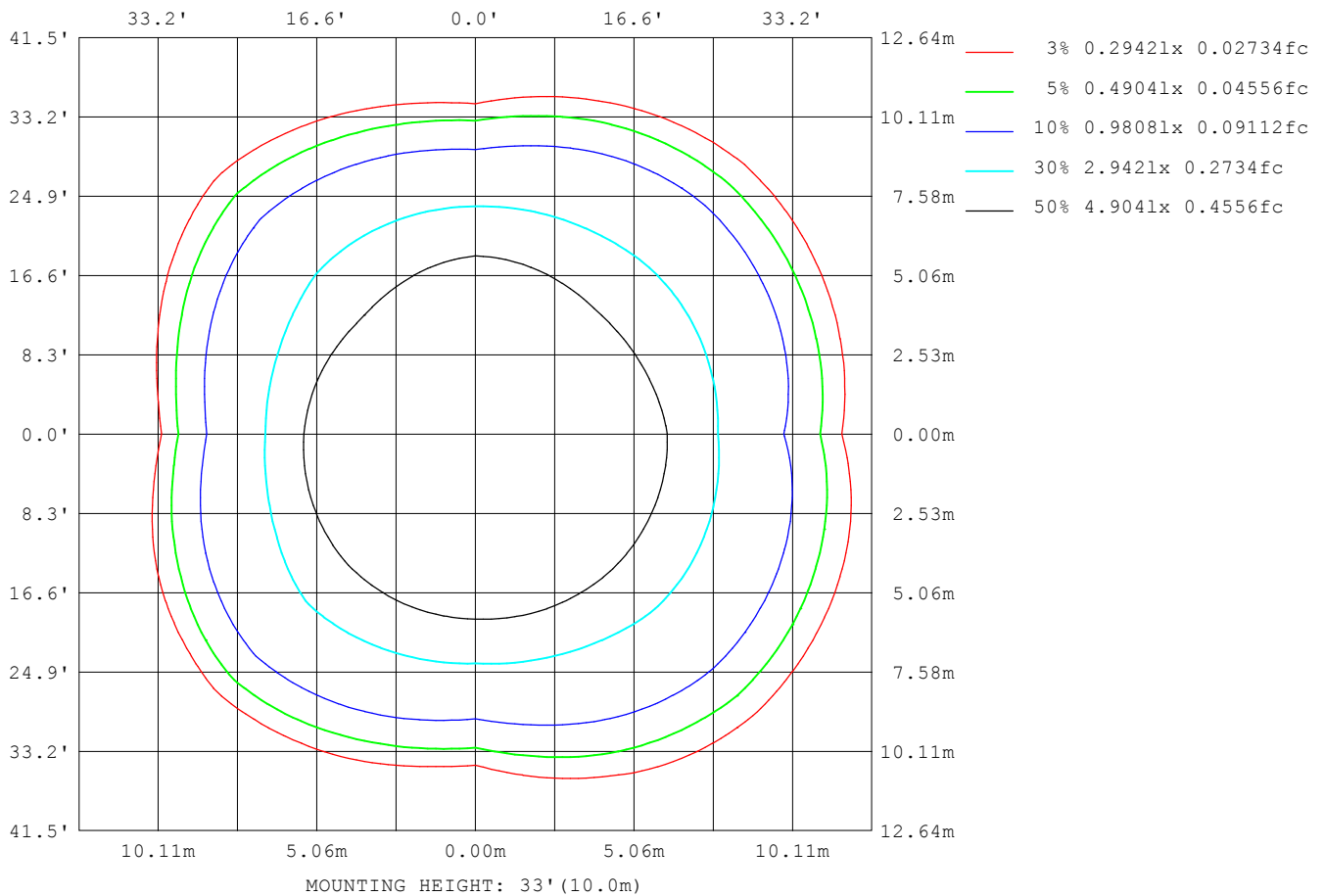
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	Shielding Angle:

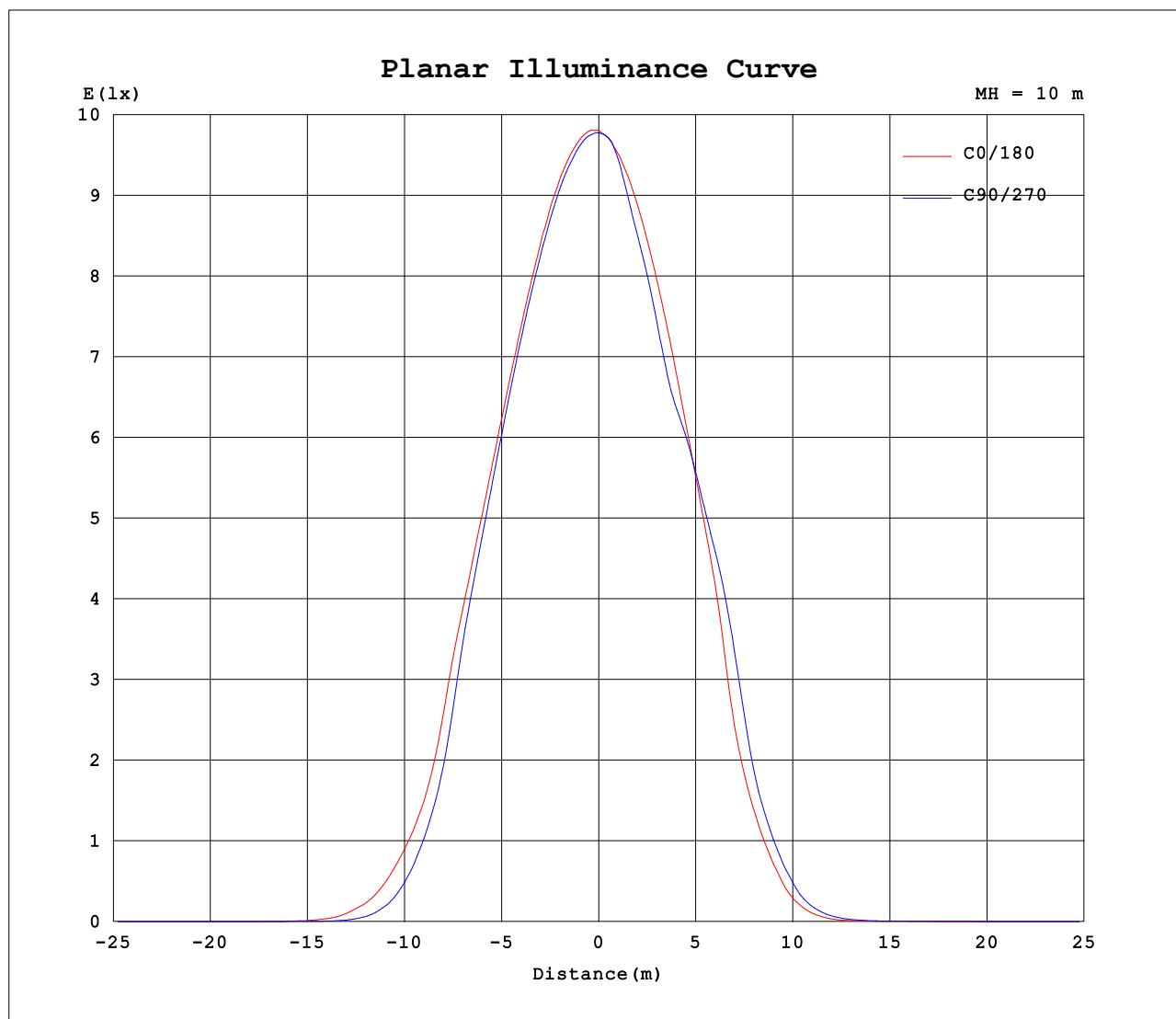
AvgL	cd/m2
L_0~180 (65) av	419
L_0~180 (75) av	391
L_0~180 (85) av	617
L_90~270 (65) av	483
L_90~270 (75) av	494
L_90~270 (85) av	781
L_45 (65) av	479
L_45 (75) av	485
L_45 (85) av	875

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	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	981	980	980	980	979	979	979	978	978	978	978	978	978	978	978	978	978	978	978
5	984	983	983	983	983	982	982	982	981	981	980	980	979	979	978	978	977	977	976
10	978	978	978	977	977	976	976	975	975	974	973	973	972	971	970	970	969	968	967
15	963	963	964	964	964	964	963	963	962	961	960	959	958	956	955	953	951	950	948
20	935	935	936	936	936	935	935	934	934	933	932	930	929	927	925	924	922	920	918
25	890	891	891	892	892	892	891	890	889	888	886	884	882	880	877	874	872	869	866
30	818	820	822	823	824	824	823	822	821	819	815	811	807	803	798	793	789	784	780
35	705	711	716	720	722	724	724	722	720	716	708	698	688	677	666	656	646	637	628
40	461	491	516	538	555	567	576	580	579	575	552	526	497	468	438	409	382	357	337
45	254	289	318	343	363	378	389	394	395	391	368	341	312	280	249	218	188	161	138
50	92.2	112	130	144	156	165	171	175	175	173	160	145	128	110	92.1	74.1	56.9	41.2	27.4
55	16.0	25.9	34.6	42.0	48.1	53.1	56.7	59.2	60.3	60.3	55.6	49.9	43.5	36.6	29.5	22.4	15.6	9.25	3.71
60	3.24	6.19	8.79	11.0	12.9	14.5	15.6	16.5	17.0	17.1	16.0	14.6	13.0	11.2	9.40	7.52	5.68	3.94	2.38
65	2.53	2.49	2.45	2.41	2.37	2.33	2.30	2.26	2.23	2.19	2.16	2.12	2.09	2.06	2.03	2.00	1.97	1.95	1.92
70	2.00	1.95	1.90	1.86	1.82	1.79	1.75	1.72	1.70	1.68	1.66	1.65	1.65	1.64	1.64	1.63	1.63	1.63	1.62
75	1.56	1.54	1.52	1.50	1.48	1.46	1.44	1.42	1.41	1.39	1.38	1.38	1.37	1.36	1.35	1.34	1.34	1.33	1.32
80	1.19	1.19	1.19	1.18	1.17	1.17	1.16	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09	1.08	1.07	1.06	1.05
85	0.87	0.88	0.89	0.90	0.90	0.91	0.91	0.91	0.91	0.90	0.89	0.88	0.87	0.85	0.84	0.82	0.80	0.79	0.78
90	9.53	9.37	9.16	8.91	8.62	8.28	7.91	7.49	7.03	6.53	5.80	5.04	4.27	3.50	2.75	2.02	1.34	0.72	0.16
95	28.9	29.5	29.8	29.9	29.8	29.4	28.7	27.8	26.6	25.2	22.5	19.6	16.6	13.6	10.6	7.81	5.20	2.89	0.94
100	56.7	56.4	55.8	55.0	53.8	52.4	50.7	48.7	46.4	43.9	39.4	34.9	30.3	25.7	21.3	17.3	13.6	10.5	8.08
105	71.7	71.2	70.3	69.2	67.7	66.0	63.9	61.6	58.9	55.9	50.9	45.7	40.4	35.3	30.3	25.8	21.7	18.3	15.7
110	86.9	86.2	85.3	84.0	82.3	80.3	78.0	75.4	72.4	69.0	63.3	57.5	51.6	45.8	40.2	35.1	30.6	26.8	23.8
115	104	102	101	99.2	97.0	94.6	91.8	88.6	85.2	81.4	75.1	68.6	62.1	55.8	49.7	44.2	39.3	35.2	32.1
120	117	116	114	112	110	107	104	100	96.5	92.4	85.7	78.8	71.9	65.2	58.9	53.0	47.9	43.6	40.3
125	130	128	126	123	121	117	114	110	106	102	94.9	87.8	80.7	73.8	67.3	61.4	56.2	51.9	48.7
130	141	139	136	132	129	125	121	117	113	108	101	94.3	87.4	80.7	74.5	68.8	63.9	59.9	56.9
135	148	145	141	138	134	130	126	121	117	112	106	99.1	92.6	86.5	80.7	75.5	71.1	67.5	64.9
140	150	146	143	139	135	131	127	123	118	114	108	102	96.6	91.2	86.2	81.7	77.9	74.8	72.7
145	146	142	139	136	132	129	125	122	118	115	110	105	99.8	95.3	91.1	87.3	84.2	81.7	79.9
150	138	136	133	131	128	125	122	120	117	114	110	106	102	98.7	95.4	92.5	90.0	88.1	86.7
155	130	128	126	125	123	121	119	117	115	113	110	107	104	102	99.1	96.9	95.1	93.7	92.7
160	122	121	120	119	118	116	115	114	113	111	109	108	106	104	102	101	99.6	98.7	98.0
165	115	115	114	114	113	113	112	111	111	110	109	108	107	106	105	104	103	103	102
170	111	110	110	110	110	110	110	109	109	109	108	108	107	107	106	106	106	105	105
175	108	108	108	108	108	108	108	108	108	108	108	108	108	108	107	107	107	107	107
180	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	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	978	977	977	977	977	977	977	977	977	977	978	978	979	979	980	980	981	981	981
5	975	975	974	974	973	972	972	971	971	970	970	969	969	969	968	968	968	968	967
10	966	964	963	962	961	959	958	957	956	955	955	954	953	952	952	951	950	949	947
15	946	945	943	941	940	938	937	935	933	932	931	930	929	927	926	924	921	919	914
20	915	913	911	909	906	904	901	899	896	894	892	890	887	885	882	879	875	872	866
25	863	861	858	856	853	850	847	844	841	837	833	829	825	821	816	811	806	800	792
30	778	776	775	774	772	770	768	766	762	756	748	741	733	724	716	708	700	693	686
35	631	635	639	643	647	649	651	650	647	625	601	576	551	525	501	478	459	442	447
40	349	366	385	405	427	447	466	482	494	471	443	414	382	350	319	290	264	242	255
45	146	159	174	191	209	226	243	258	270	253	233	211	187	164	140	119	99.2	83.0	93.2
50	30.8	36.3	43.4	51.7	60.7	69.8	78.6	86.6	93.3	86.2	77.8	68.3	58.4	48.3	38.5	29.4	21.4	14.9	21.3
55	5.07	7.28	10.1	13.5	17.1	20.8	24.3	27.7	30.5	28.2	25.4	22.2	18.8	15.3	12.0	8.79	5.99	3.71	5.99
60	2.41	2.64	3.03	3.55	4.15	4.79	5.45	6.08	6.65	6.33	5.93	5.47	4.97	4.47	3.97	3.51	3.11	2.78	3.13
65	1.90	1.88	1.86	1.84	1.82	1.81	1.81	1.80	1.81	1.81	1.81	1.83	1.85	1.88	1.91	1.96	2.01	2.08	2.20
70	1.60	1.58	1.56	1.55	1.53	1.51	1.49	1.48	1.46	1.45	1.43	1.42	1.42	1.42	1.43	1.45	1.48	1.52	1.61
75	1.31	1.29	1.28	1.26	1.24	1.23	1.21	1.19	1.18	1.15	1.12	1.09	1.07	1.06	1.05	1.05	1.05	1.07	1.15
80	1.04	1.03	1.02	1.01	1.00	0.98	0.97	0.95	0.94	0.91	0.87	0.84	0.81	0.78	0.76	0.75	0.74	0.75	0.80
85	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.78	0.78	0.74	0.71	0.67	0.64	0.60	0.57	0.55	0.54	0.53	0.57
90	0.21	0.27	0.34	0.41	0.48	0.56	0.63	0.69	0.76	0.73	0.69	0.64	0.59	0.54	0.49	0.45	0.41	0.38	0.44
95	1.47	2.37	3.56	4.98	6.55	8.19	9.84	11.4	12.8	12.4	11.8	11.0	10.2	9.37	8.52	7.74	7.06	6.54	7.62
100	9.77	12.1	14.9	18.1	21.5	25.0	28.5	31.8	34.7	34.4	33.6	32.5	31.3	29.9	28.4	27.0	25.8	24.7	26.1
105	17.6	20.2	23.5	27.2	31.3	35.7	40.1	44.5	48.8	50.6	52.2	53.5	54.5	55.3	55.8	56.1	56.2	56.1	56.3
110	25.8	28.7	32.4	36.6	41.2	46.1	51.2	56.3	61.2	63.9	66.2	68.3	70.1	71.5	72.7	73.5	74.0	74.2	74.1
115	34.4	37.8	41.9	46.7	51.9	57.5	63.2	68.8	74.3	77.1	79.5	81.6	83.3	84.7	85.8	86.5	87.0	87.0	87.0
120	43.0	46.6	51.1	56.3	61.9	67.9	74.1	80.2	86.1	89.2	91.9	94.2	96.2	97.8	99.0	99.8	100	100	100
125	51.5	55.3	60.0	65.4	71.3	77.6	84.0	90.4	96.6	100	103	106	108	110	112	113	113	113	113
130	59.7	63.5	68.2	73.6	79.5	85.8	92.3	98.7	105	109	112	116	118	121	122	124	125	125	125
135	67.6	71.2	75.6	80.8	86.4	92.4	98.6	105	111	115	119	123	126	129	131	133	134	135	134
140	75.0	78.2	82.2	86.7	91.8	97.2	103	109	114	119	123	127	131	134	136	139	140	141	140
145	81.8	84.5	87.8	91.7	96.0	101	106	110	115	120	124	128	132	135	138	140	142	143	141
150	88.3	90.4	93.1	96.2	99.7	103	107	111	115	119	123	126	130	132	135	137	139	140	138
155	93.9	95.5	97.5	99.9	102	105	108	111	114	117	120	123	125	127	129	131	132	133	132
160	98.9	100	101	103	105	107	109	111	113	115	117	119	120	122	123	124	125	126	125
165	103	103	104	105	106	108	109	110	111	113	114	115	116	117	117	118	118	119	118
170	106	106	106	107	107	108	109	109	110	110	111	111	112	112	112	113	113	113	113
175	107	107	108	108	108	108	108	108	109	109	109	109	109	109	109	109	109	109	109
180	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm		
NAME: 1FT	TYPE:4000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.29	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	980	980	980	980	979	979	978	978	978	978	978	978	978	978	978	978	978	978	977
5	967	967	967	967	967	967	967	967	967	966	966	966	965	965	965	965	965	966	967
10	945	943	941	938	936	934	932	929	927	924	921	919	917	916	914	914	913	915	918
15	909	904	898	893	887	882	877	873	870	868	867	866	865	865	865	866	868	869	872
20	860	853	847	840	834	828	822	817	813	809	806	804	803	802	801	802	803	807	811
25	784	775	768	760	753	747	743	739	742	746	751	757	764	770	777	783	790	789	789
30	680	674	670	666	663	661	660	661	668	677	686	695	705	715	724	733	740	738	735
35	456	468	482	498	516	534	552	569	576	583	588	593	597	600	603	606	609	612	615
40	272	292	315	339	364	388	410	430	422	412	400	386	372	359	346	336	329	346	366
45	107	123	141	159	178	197	214	229	221	210	199	186	174	162	151	143	137	156	177
50	29.2	38.2	48.0	58.0	67.9	77.3	85.7	92.9	87.2	80.3	72.4	64.1	55.6	47.5	40.2	34.0	29.3	37.7	47.6
55	8.80	12.0	15.4	18.9	22.3	25.6	28.4	30.8	28.6	25.9	22.8	19.6	16.4	13.3	10.5	8.11	6.34	9.67	13.6
60	3.55	4.03	4.55	5.09	5.63	6.14	6.61	7.01	6.75	6.42	6.06	5.68	5.30	4.96	4.67	4.46	4.34	5.13	6.00
65	2.33	2.47	2.61	2.76	2.89	3.03	3.16	3.27	3.32	3.36	3.39	3.40	3.41	3.41	3.41	3.40	3.38	3.39	3.39
70	1.72	1.83	1.95	2.07	2.18	2.30	2.41	2.51	2.55	2.59	2.62	2.64	2.65	2.66	2.66	2.66	2.65	2.67	2.68
75	1.23	1.32	1.41	1.51	1.60	1.70	1.79	1.87	1.91	1.94	1.96	1.98	1.99	2.00	2.00	2.00	2.00	2.03	2.05
80	0.86	0.93	1.00	1.08	1.16	1.23	1.30	1.37	1.39	1.41	1.42	1.43	1.43	1.44	1.44	1.44	1.44	1.46	1.49
85	0.63	0.69	0.75	0.81	0.88	0.94	1.00	1.06	1.06	1.06	1.06	1.05	1.04	1.03	1.01	1.00	0.99	1.02	1.05
90	0.50	0.57	0.65	0.73	0.80	0.87	0.94	0.99	0.89	0.85	0.81	0.76	0.71	0.66	0.61	0.57	0.54	1.02	1.57
95	8.84	10.2	11.5	12.8	14.0	15.1	15.9	16.5	14.9	13.1	11.1	8.98	6.90	4.92	3.12	1.58	0.38	1.50	2.99
100	27.8	29.5	31.3	33.0	34.5	35.8	36.7	37.2	34.3	31.0	27.4	23.7	20.0	16.4	13.1	10.1	7.63	8.32	9.59
105	56.3	56.1	55.7	55.0	54.1	52.8	51.3	49.4	45.3	41.0	36.6	32.2	28.0	24.0	20.5	17.4	15.0	16.0	17.7
110	73.7	72.9	71.8	70.4	68.7	66.6	64.2	61.5	56.7	51.6	46.6	41.6	36.8	32.4	28.5	25.3	22.8	24.6	27.2
115	86.6	85.9	84.8	83.5	81.7	79.6	77.2	74.3	68.8	63.1	57.3	51.7	46.3	41.4	37.0	33.5	30.9	33.5	37.1
120	99.7	98.9	97.6	96.0	94.0	91.6	88.8	85.7	79.7	73.4	67.2	61.1	55.2	49.9	45.3	41.5	38.7	41.7	45.7
125	112	111	110	108	105	103	99.5	95.9	89.6	83.0	76.5	70.0	64.0	58.4	53.5	49.6	46.7	49.6	53.7
130	123	122	120	117	115	111	108	104	97.4	90.9	84.4	78.0	72.0	66.6	61.8	57.9	55.0	57.7	61.4
135	132	130	128	125	121	118	113	109	103	96.6	90.5	84.5	78.9	73.8	69.3	65.7	63.1	65.4	68.6
140	138	135	132	129	125	121	116	112	106	100	94.8	89.5	84.6	80.1	76.3	73.2	70.9	72.8	75.4
145	139	137	133	130	126	122	117	113	108	103	98.2	93.7	89.6	85.9	82.7	80.2	78.3	79.8	81.9
150	136	134	131	128	124	120	117	113	109	105	101	97.5	94.2	91.3	88.9	86.9	85.5	86.5	88.1
155	130	128	126	123	121	118	115	112	109	106	103	101	98.1	96.0	94.3	92.8	91.8	92.5	93.6
160	124	122	121	119	117	115	113	111	109	107	105	103	101	100	98.8	97.9	97.2	97.6	98.3
165	117	117	116	114	113	112	111	109	108	107	106	105	104	103	103	102	102	102	102
170	112	112	111	111	110	110	109	108	108	107	107	106	106	106	105	105	105	105	105
175	109	109	109	109	108	108	108	108	108	108	108	107	107	107	107	107	107	107	107
180	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106

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:0.1350A P:16.00W PF:0.9900 Freq:60.00Hz Lamp Flux:1781.01x1 lm																	
NAME: 1FT									TYPE:4000K 1.9						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:0.29						Shielding Angle:		

Table--4

UNIT: cd

γ (DEG)	C (DEG)																
	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355		
0	977	977	977	977	977	977	977	977	978	978	978	979	979	980	980		
5	967	968	969	970	971	972	974	975	976	977	978	979	980	981	982		
10	921	924	928	932	936	940	945	948	952	956	959	963	967	970	974		
15	874	878	881	885	890	895	900	905	911	918	924	931	939	946	954		
20	815	821	827	833	840	847	855	863	871	879	887	896	905	915	925		
25	788	787	786	786	786	788	790	796	803	812	822	833	845	859	874		
30	732	728	724	720	717	715	714	720	726	735	745	756	769	784	800		
35	619	622	625	629	633	637	641	647	652	659	665	673	680	688	696		
40	388	411	435	459	482	504	523	528	531	530	527	520	510	497	480		
45	200	224	249	273	297	318	337	341	343	341	335	326	313	297	277		
50	58.6	70.5	82.8	95.0	107	118	127	130	131	131	128	124	119	112	103		
55	17.9	22.5	27.1	31.6	35.9	39.7	42.9	43.1	42.4	41.0	38.8	35.8	32.0	27.5	22.1		
60	6.93	7.87	8.80	9.67	10.5	11.1	11.6	11.5	11.1	10.6	9.83	8.90	7.78	6.46	4.95		
65	3.38	3.38	3.36	3.35	3.32	3.29	3.25	3.20	3.14	3.08	3.01	2.92	2.84	2.74	2.64		
70	2.68	2.69	2.68	2.68	2.66	2.65	2.62	2.58	2.53	2.48	2.42	2.35	2.27	2.19	2.10		
75	2.06	2.08	2.09	2.10	2.10	2.10	2.09	2.06	2.02	1.98	1.93	1.87	1.80	1.73	1.65		
80	1.52	1.54	1.56	1.58	1.59	1.60	1.61	1.59	1.56	1.53	1.50	1.45	1.40	1.34	1.27		
85	1.08	1.11	1.14	1.17	1.20	1.22	1.23	1.22	1.20	1.18	1.14	1.10	1.06	1.00	0.94		
90	2.17	2.82	3.49	4.18	4.87	5.56	6.23	6.72	7.17	7.60	7.99	8.36	8.70	9.01	9.28		
95	4.78	6.83	9.07	11.4	13.9	16.3	18.8	20.3	21.7	23.1	24.3	25.4	26.4	27.3	28.2		
100	11.4	13.6	16.2	19.1	22.3	25.7	29.2	32.0	34.8	37.7	40.7	43.7	46.9	50.1	53.4		
105	19.9	22.7	26.0	29.6	33.4	37.5	41.7	44.9	48.1	51.3	54.6	58.0	61.3	64.8	68.2		
110	30.5	34.4	38.8	43.5	48.5	53.6	58.7	62.2	65.6	69.0	72.2	75.3	78.3	81.3	84.1		
115	41.4	46.5	52.0	58.0	64.1	70.3	76.4	80.3	84.0	87.5	90.7	93.7	96.5	99.1	101		
120	50.6	56.2	62.3	68.9	75.6	82.4	89.1	93.4	97.3	101	104	107	110	113	115		
125	58.6	64.3	70.6	77.3	84.3	91.3	98.3	103	107	111	115	118	122	125	128		
130	66.0	71.4	77.4	83.8	90.5	97.4	104	109	114	118	122	126	130	134	138		
135	72.7	77.6	83.0	88.9	95.2	102	108	113	117	122	127	131	135	140	144		
140	78.9	83.0	87.7	92.8	98.3	104	110	114	119	123	128	132	137	141	146		
145	84.7	88.1	91.9	96.1	101	105	110	114	118	122	126	129	133	137	142		
150	90.2	92.7	95.7	98.9	102	106	110	113	116	119	122	125	128	132	135		
155	95.1	96.8	98.9	101	104	106	109	111	113	116	118	120	123	125	128		
160	99.2	100	102	103	105	106	108	110	111	113	114	116	117	119	121		
165	103	103	104	105	105	106	107	108	109	110	111	112	112	113	114		
170	105	105	106	106	106	107	107	107	108	108	108	109	109	110	110		
175	107	107	107	107	107	107	107	107	107	107	107	107	108	108	108		
180	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106		

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: