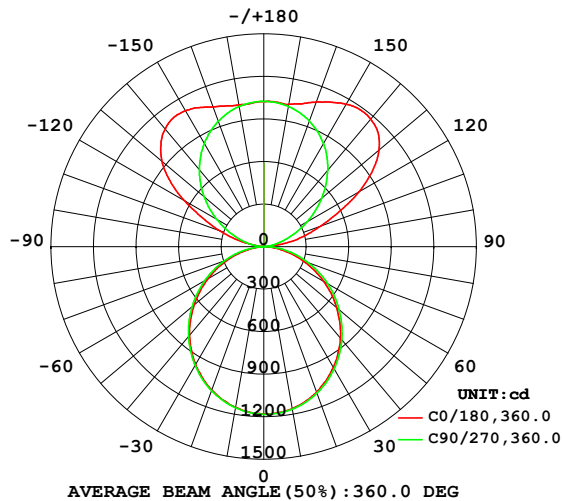


LUMINAIRE PHOTOMETRIC TEST REPORT

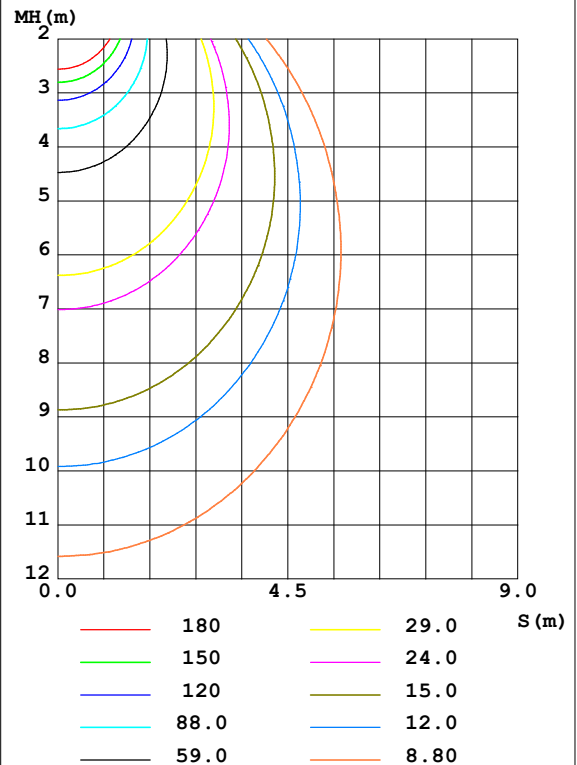
Test:U:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.05 lm/W			
MODEL		I _{max} (cd)	1184	S/MH(C0/180)	1.24
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6794.9	η UP,DN(C0-180)	25.8,24.6
NOMINAL FLUX(lm)	6794.89	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.4,23.2
LAMPS INSIDE	1	η up(%)	52.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.8	CIBSE SHR MAX	1.35

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:

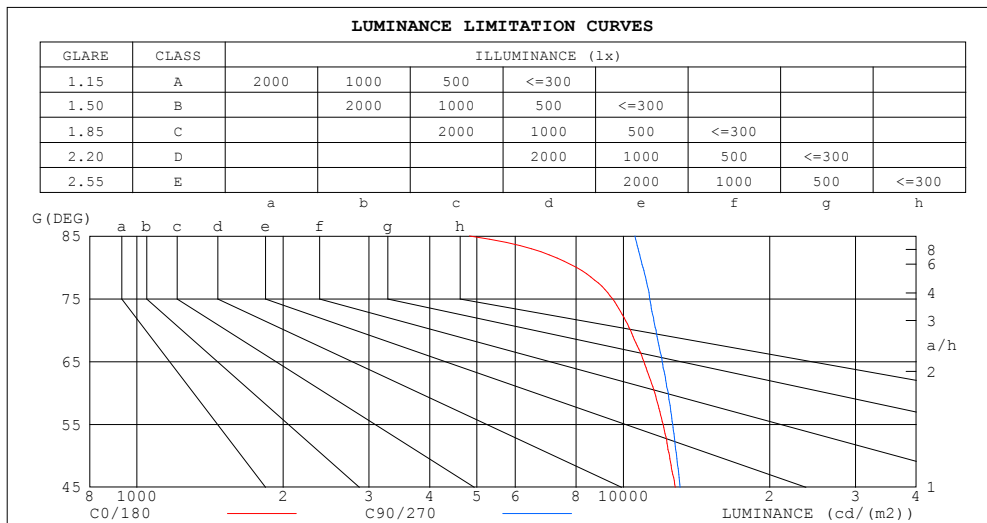
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1160	1164	1165	1165	1150	1152	1154	1154	0- 10	111.7	111.7	1.64,1.64
20	1091	1101	1098	1100	1076	1076	1082	1079	10- 20	318.3	430.0	6.33,6.33
30	982.6	996.3	993.9	993.3	961.0	960.9	968.5	966.5	20- 30	477.8	907.8	13.4,13.4
40	842.1	858.5	856.6	853.7	816.1	816.8	825.8	822.0	30- 40	569.4	1477	21.7,21.7
50	672.0	696.1	694.7	693.2	642.1	649.7	660.7	656.1	40- 50	582.9	2060	30.3,30.3
60	487.7	515.5	519.5	511.3	456.0	465.3	481.3	469.9	50- 60	519.1	2579	38,38
70	297.2	326.7	335.3	323.6	268.5	277.0	298.4	281.1	60- 70	390.3	2970	43.7,43.7
80	116.8	145.3	160.2	143.1	89.23	99.89	121.8	102.8	70- 80	222.3	3192	47,47
90	5.138	7.893	7.366	7.159	1.682	5.877	2.403	7.845	80- 90	53.84	3246	47.8,47.8
100	172.8	174.0	51.68	124.7	71.68	172.0	81.22	215.9	90-100	54.39	3300	48.6,48.6
110	427.7	431.0	187.1	377.4	332.1	413.6	218.5	477.7	100-110	258.6	3559	52.4,52.4
120	778.6	679.7	355.1	628.4	642.9	645.7	380.7	717.1	110-120	477.2	4036	59.4,59.4
130	1060	870.4	535.0	833.2	937.7	828.3	549.6	892.1	120-130	639.1	4675	68.8,68.8
140	1173	965.4	701.8	944.9	1083	922.4	707.4	970.5	130-140	678.4	5353	78.8,78.8
150	1161	998.1	841.4	980.4	1106	956.0	840.0	995.6	140-150	602.7	5956	87.7,87.7
160	1085	1000	942.5	994.5	1049	980.1	941.3	992.7	150-160	458.3	6414	94.4,94.4
170	1019	1004	1004	1005	1015	1004	1004	1009	160-170	283.6	6698	98.6,98.6
180	1020	1020	1020	1020	1020	1020	1020	1020	170-180	96.94	6795	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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4827	10571
80	8009	10981
75	9500	11337
70	10344	11672
65	11023	12028
60	11611	12370
55	12067	12628
50	12446	12867
45	12791	13090

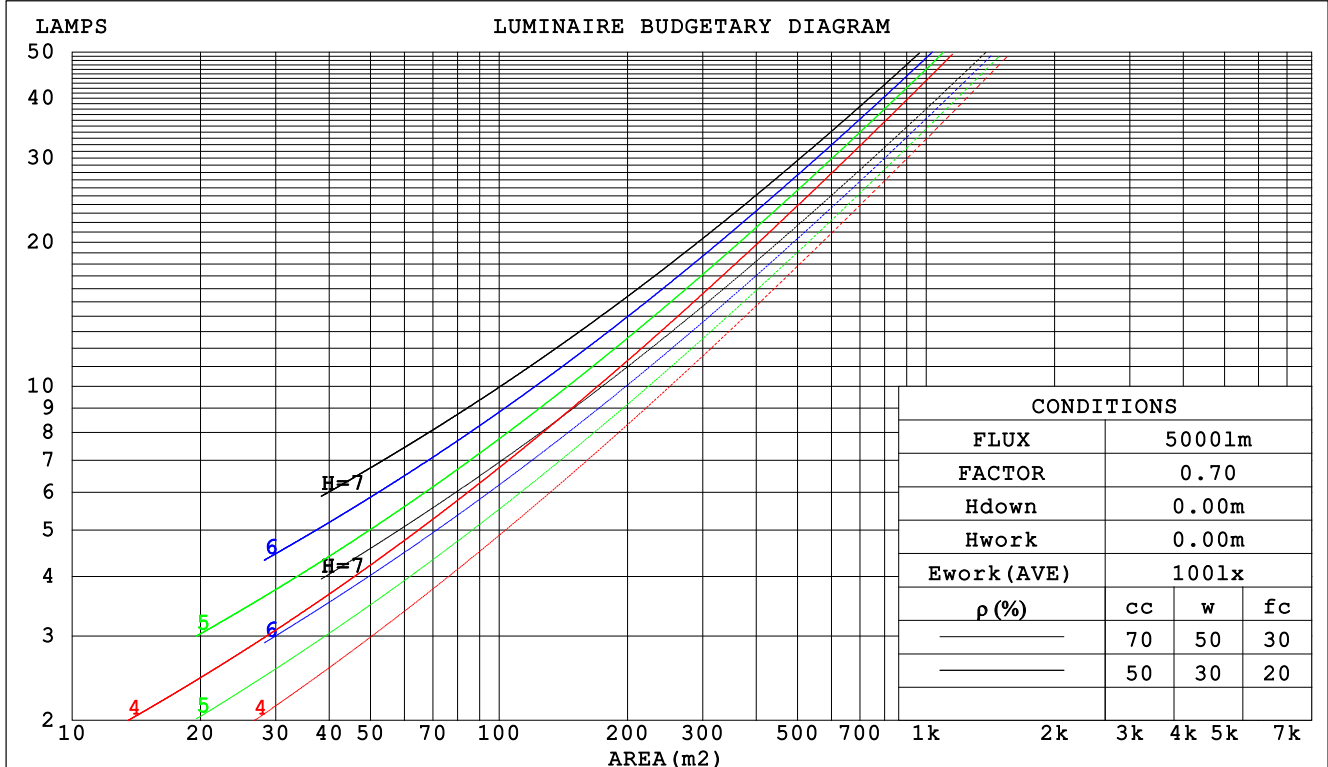
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	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	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.67	.67	.67	.54	.54	.54	.48
1.0	.93	.89	.85	.86	.82	.79	.72	.69	.67	.59	.58	.56	.48	.47	.46	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.52	.49	.47	.42	.40	.38	.33
3.0	.71	.64	.58	.66	.59	.54	.55	.51	.47	.46	.42	.39	.37	.34	.32	.28
4.0	.63	.55	.49	.58	.51	.46	.49	.44	.40	.41	.37	.34	.33	.30	.28	.24
5.0	.56	.48	.42	.52	.45	.39	.44	.38	.34	.36	.32	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.46	.39	.34	.39	.34	.30	.33	.29	.25	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.22	.24	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.27	.23	.20	.22	.19	.17	.14
9.0	.37	.30	.25	.35	.28	.23	.30	.24	.21	.25	.21	.18	.21	.17	.15	.13
10.0	.34	.27	.22	.32	.25	.21	.27	.22	.19	.23	.19	.16	.19	.16	.14	.12



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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm								
NAME: 4FT			TYPE:3500K 5.5			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: EVERFINE			SUR.:1.2*0.07			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	.280	.159	.050	.257	.147	.047	.215	.123	.039	.176	.101	.032	.139	.081	.026		
2.0	.261	.143	.044	.241	.133	.041	.202	.112	.035	.166	.093	.029	.133	.075	.024		
3.0	.242	.129	.039	.223	.119	.036	.187	.101	.031	.154	.085	.026	.124	.069	.021		
4.0	.224	.116	.034	.206	.108	.032	.174	.092	.028	.143	.077	.023	.115	.063	.019		
5.0	.207	.106	.031	.191	.098	.029	.161	.084	.025	.133	.070	.021	.107	.057	.017		
6.0	.193	.097	.028	.178	.090	.026	.150	.077	.022	.124	.065	.019	.100	.053	.016		
7.0	.180	.089	.025	.166	.083	.024	.141	.071	.020	.116	.060	.017	.094	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.109	.055	.016	.088	.045	.013		
9.0	.158	.076	.021	.146	.071	.020	.124	.061	.017	.103	.052	.015	.083	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.097	.048	.014	.078	.039	.011		

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	.588	.588	.588	.503	.503	.503	.343	.343	.343	.197	.197	.197	.063	.063	.063	
1.0	.580	.558	.538	.496	.479	.463	.339	.329	.320	.195	.191	.186	.063	.061	.060	
2.0	.572	.536	.506	.490	.461	.437	.336	.319	.305	.194	.186	.179	.062	.060	.058	
3.0	.565	.520	.484	.485	.449	.420	.333	.312	.295	.192	.182	.174	.062	.059	.057	
4.0	.558	.508	.470	.479	.439	.408	.330	.306	.288	.191	.179	.170	.061	.058	.056	
5.0	.552	.499	.460	.474	.432	.400	.327	.302	.283	.189	.177	.168	.061	.058	.055	
6.0	.546	.492	.453	.469	.426	.394	.324	.298	.279	.188	.175	.166	.061	.057	.055	
7.0	.540	.485	.447	.464	.421	.390	.321	.295	.276	.186	.174	.164	.060	.057	.054	
8.0	.534	.480	.443	.460	.417	.387	.318	.293	.274	.185	.173	.163	.060	.057	.054	
9.0	.529	.476	.440	.456	.413	.384	.316	.290	.273	.184	.171	.163	.060	.056	.054	
10.0	.524	.472	.438	.452	.410	.382	.313	.288	.271	.183	.171	.162	.059	.056	.054	

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm										
NAME: 4FT					TYPE:3500K 5.5			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.2*0.07			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	18.2	19.1	19.1	20.0	21.1	18.4	19.3	19.3	20.2	21.3
3H	19.5	20.4	20.4	21.3	22.4	19.9	20.7	20.8	21.6	22.8
4H	20.0	20.8	21.0	21.7	22.9	20.5	21.3	21.4	22.2	23.4
6H	20.4	21.1	21.3	22.0	23.2	21.0	21.7	21.9	22.6	23.8
8H	20.4	21.1	21.4	22.0	23.3	21.1	21.8	22.1	22.8	24.0
12H	20.4	21.1	21.4	22.0	23.2	21.2	21.9	22.2	22.8	24.1
4H 2H	18.7	19.4	19.6	20.4	21.5	18.8	19.6	19.7	20.5	21.7
3H	20.2	20.8	21.1	21.8	23.0	20.5	21.1	21.4	22.1	23.3
4H	20.8	21.4	21.8	22.4	23.6	21.2	21.8	22.2	22.8	24.0
6H	21.2	21.7	22.2	22.7	24.0	21.8	22.3	22.8	23.3	24.6
8H	21.3	21.8	22.3	22.8	24.1	22.0	22.5	23.0	23.5	24.8
12H	21.3	21.8	22.3	22.8	24.1	22.2	22.6	23.2	23.6	24.9
8H 4H	21.0	21.5	22.0	22.5	23.8	21.4	21.8	22.4	22.8	24.1
6H	21.6	21.9	22.6	23.0	24.3	22.1	22.5	23.1	23.5	24.8
8H	21.7	22.1	22.8	23.1	24.4	22.4	22.7	23.4	23.8	25.1
12H	21.8	22.1	22.8	23.1	24.5	22.7	22.9	23.7	24.0	25.3
12H 4H	21.0	21.4	22.0	22.4	23.7	21.3	21.7	22.3	22.7	24.1
6H	21.6	21.9	22.6	23.0	24.3	22.1	22.4	23.1	23.5	24.8
8H	21.8	22.1	22.8	23.1	24.5	22.5	22.7	23.5	23.8	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 6795 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.7)

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

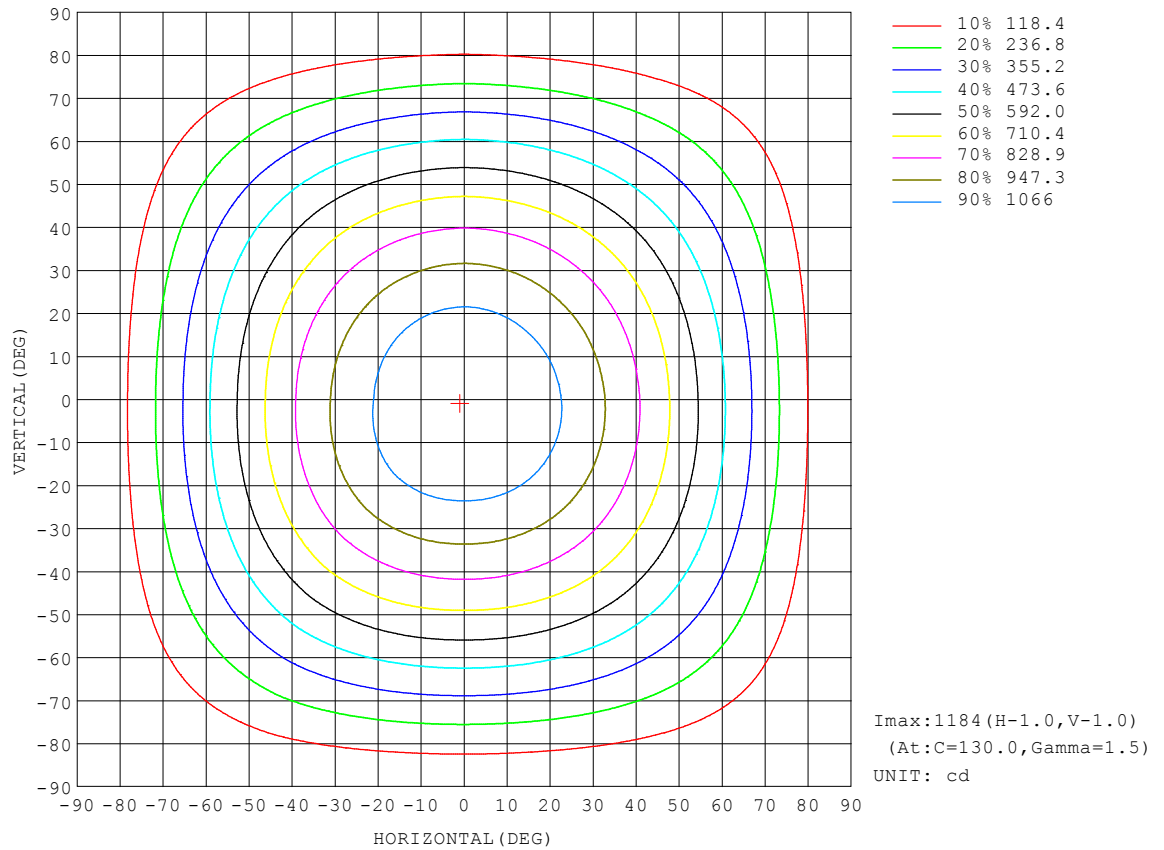
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	32	26	41	31	25	36	28	23	16
0.80	53	41	34	50	39	33	43	35	30	20
1.00	61	49	42	57	46	40	49	43	36	24
1.25	68	57	49	63	53	47	54	47	42	28
1.50	73	62	55	67	58	52	58	51	46	30
2.00	80	71	64	74	66	60	63	57	53	34
2.50	84	76	69	78	71	65	66	61	57	36
3.00	88	80	74	81	75	69	69	64	60	38
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	89	85	87	83	79	74	70	68	41
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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

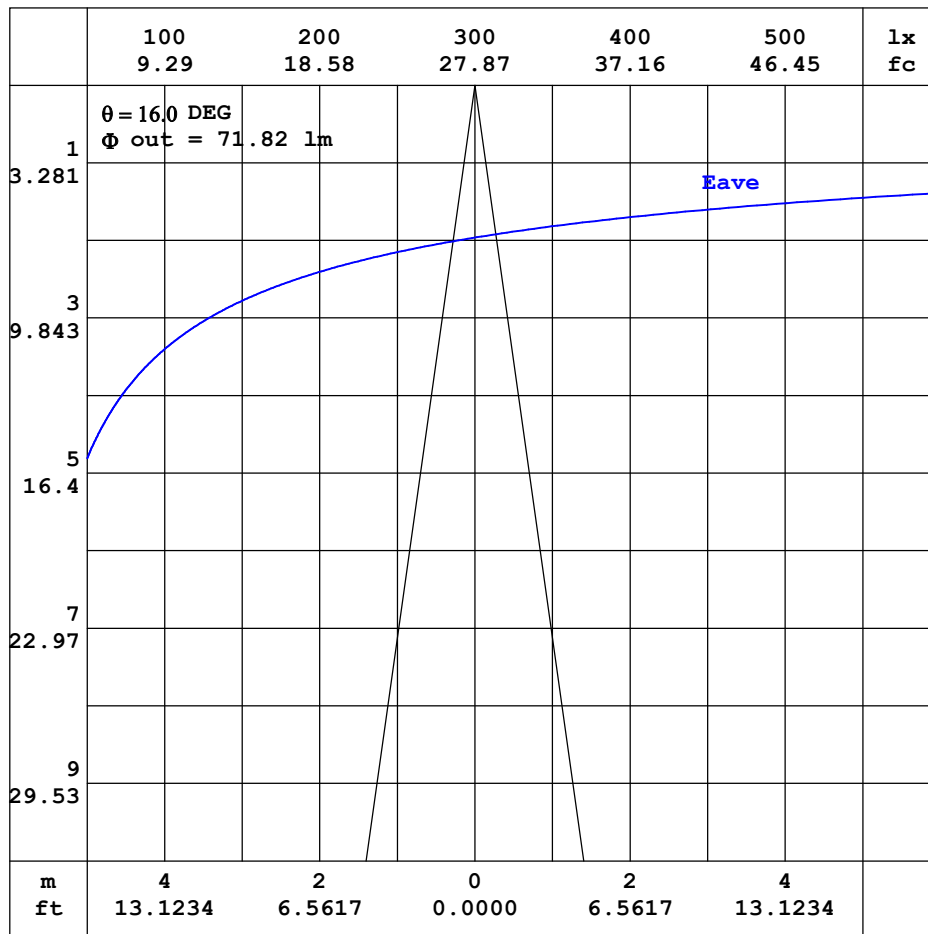


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



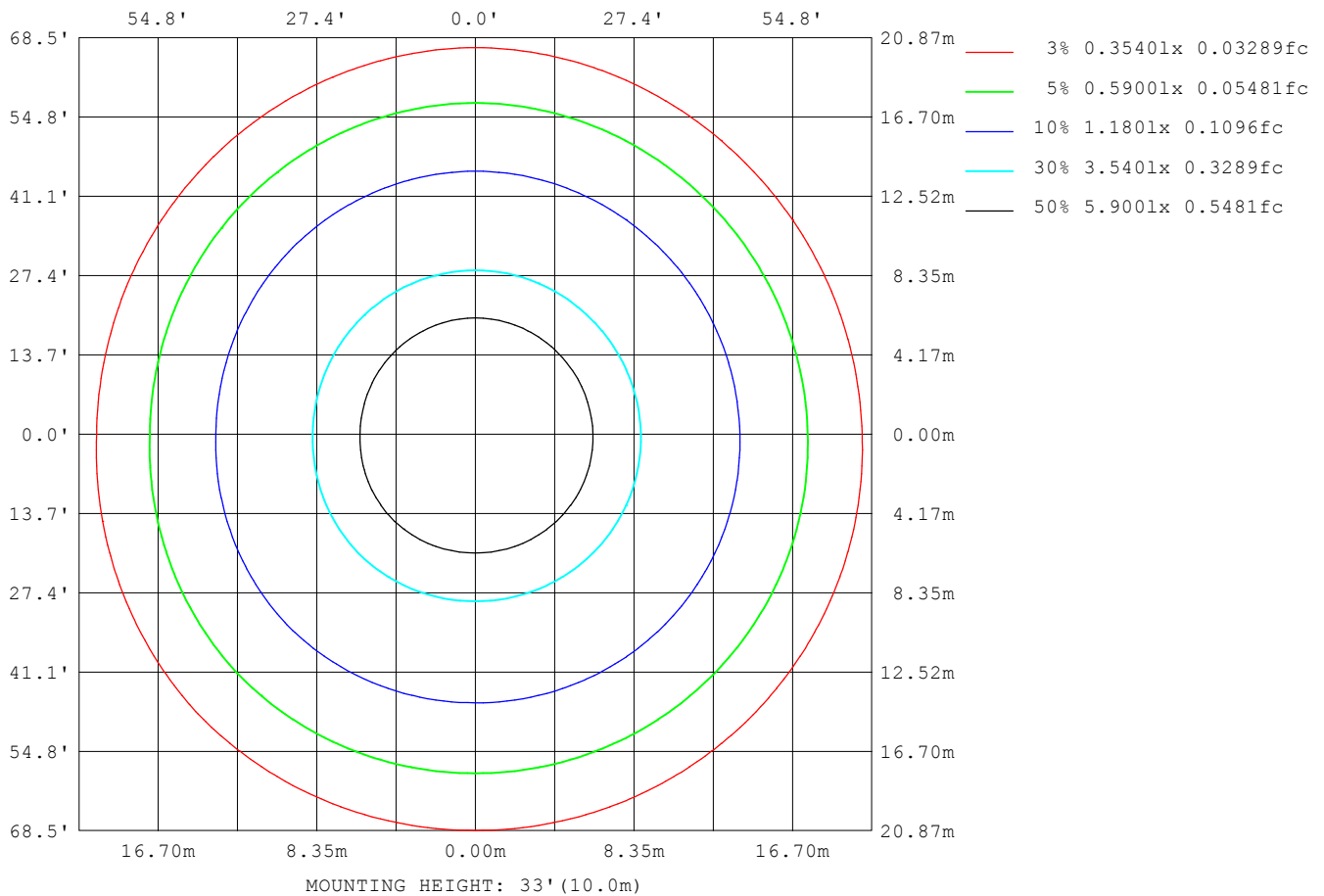
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

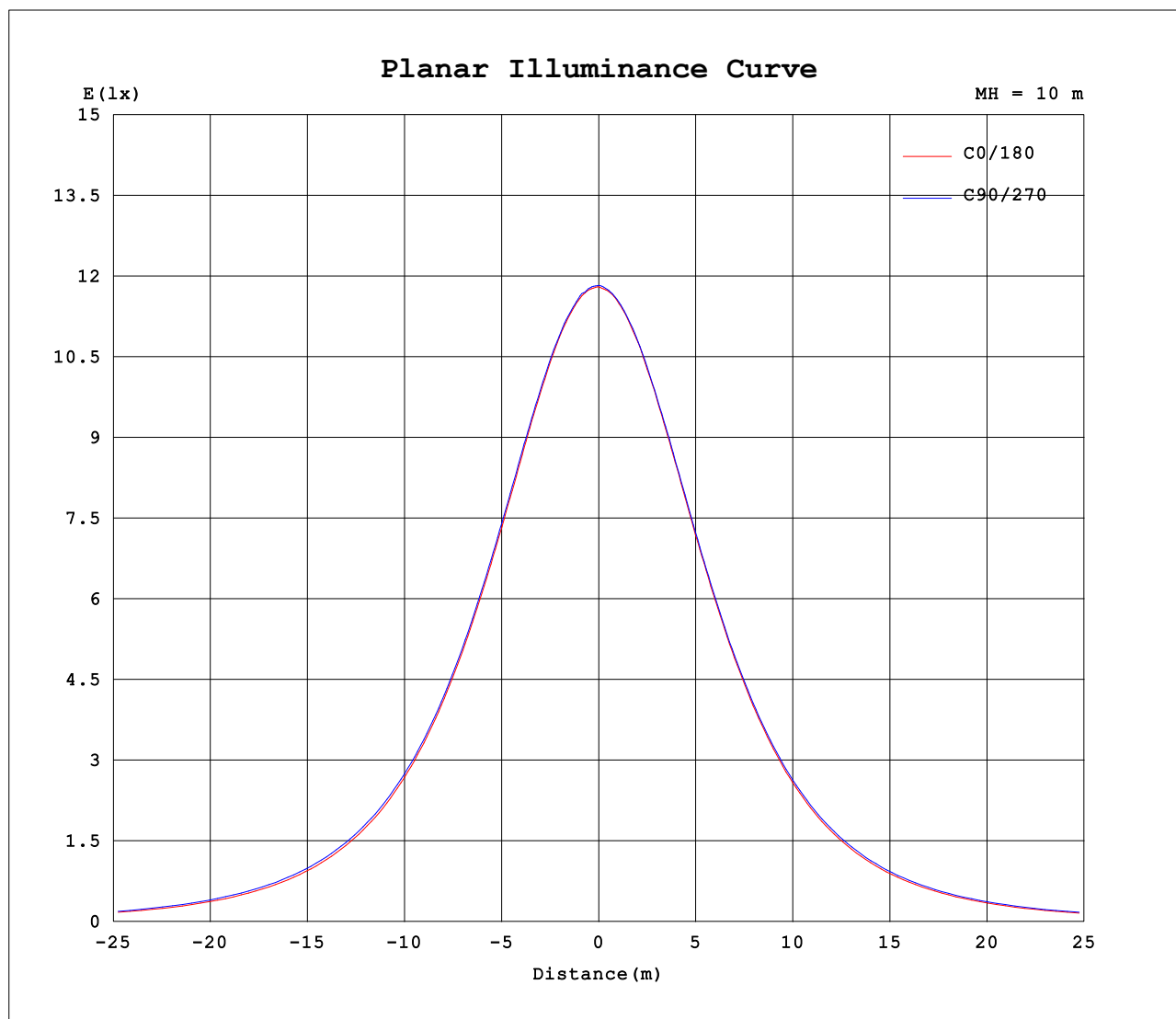
AvgL	cd/m2
L_0~180 (65) av	10607
L_0~180 (75) av	8837
L_0~180 (85) av	3461
L_90~270 (65) av	11504
L_90~270 (75) av	10474
L_90~270 (85) av	8128
L_45 (65) av	11162
L_45 (75) av	9701
L_45 (85) av	5604

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm																	
NAME: 4FT									TYPE:3500K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*0.07						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	1180	1181	1181	1182	1182	1183	1183	1183	1183	1184	1184	1184	1184	1183	1183	1183	1183	1183	1183
5	1177	1177	1178	1178	1179	1179	1179	1180	1180	1180	1180	1181	1181	1181	1181	1181	1181	1181	1181
10	1160	1161	1161	1162	1162	1163	1163	1164	1164	1164	1165	1165	1165	1165	1165	1165	1165	1165	1165
15	1132	1133	1134	1135	1136	1137	1137	1138	1138	1139	1139	1139	1139	1138	1138	1138	1138	1137	1137
20	1091	1093	1095	1096	1097	1098	1099	1100	1101	1101	1101	1101	1101	1101	1100	1100	1099	1099	1098
25	1042	1044	1046	1047	1049	1050	1051	1052	1053	1053	1053	1053	1053	1053	1052	1052	1051	1051	1050
30	983	985	987	989	991	992	994	995	996	996	997	997	996	996	996	995	995	994	994
35	916	919	921	923	925	926	928	929	930	931	931	931	931	931	931	930	930	929	929
40	842	845	847	850	852	854	855	856	858	859	859	859	859	859	859	858	858	857	857
45	760	763	766	769	772	774	776	778	779	781	781	781	781	781	780	780	779	778	777
50	672	676	680	683	686	689	691	693	695	696	697	697	697	697	697	696	696	695	695
55	581	586	590	594	597	600	603	605	607	609	610	610	611	611	611	610	610	609	608
60	488	492	496	500	503	506	509	511	514	516	517	518	519	520	520	520	520	520	520
65	391	396	400	404	407	411	414	417	419	421	423	424	425	426	427	427	427	427	427
70	297	302	306	309	313	316	319	322	324	327	329	330	332	333	334	335	335	335	335
75	207	211	214	218	221	224	227	230	233	235	237	239	241	243	244	245	246	246	246
80	117	121	124	128	131	134	137	140	143	145	148	150	153	155	156	158	159	160	160
85	35.3	38.5	41.7	44.7	47.6	50.4	53.1	55.7	58.1	60.5	63.3	66.0	68.5	70.7	72.7	74.4	75.8	76.8	77.4
90	5.14	5.61	6.03	6.42	6.77	7.07	7.34	7.56	7.75	7.89	7.93	7.93	7.90	7.85	7.78	7.68	7.58	7.47	7.37
95	51.8	53.9	55.4	56.5	57.0	57.0	56.6	55.6	54.1	52.1	48.2	43.8	39.2	34.4	29.5	24.7	20.1	15.7	11.6
100	173	179	184	187	189	189	187	184	180	174	161	146	131	116	101	86.5	73.2	61.4	51.7
105	297	306	312	316	318	318	315	310	303	294	274	252	229	206	183	162	143	126	112
110	428	440	450	456	460	460	457	452	443	431	404	374	343	313	282	254	228	205	187
115	589	599	605	609	609	606	600	590	577	561	527	491	454	416	380	346	315	289	268
120	779	779	776	771	763	752	738	721	702	680	640	598	556	514	475	438	405	377	355
125	938	930	920	908	893	876	857	835	811	785	742	697	652	608	567	528	495	466	445
130	1060	1046	1031	1013	994	973	950	925	899	870	826	781	736	693	652	615	582	555	535
135	1139	1121	1102	1081	1059	1036	1011	986	959	930	888	846	804	764	726	692	663	638	620
140	1173	1153	1132	1110	1088	1065	1041	1016	991	965	929	892	856	822	790	761	736	716	702
145	1181	1160	1139	1118	1097	1075	1054	1032	1010	987	957	927	898	871	846	823	804	788	777
150	1161	1143	1124	1106	1088	1070	1052	1034	1016	998	975	953	931	910	892	875	861	850	841
155	1125	1111	1097	1083	1070	1057	1044	1031	1018	1005	989	973	959	944	932	920	910	903	897
160	1085	1074	1064	1054	1044	1034	1025	1017	1008	1000	991	982	974	966	959	954	949	945	943
165	1044	1038	1033	1027	1022	1018	1013	1009	1005	1001	997	994	990	987	985	982	981	979	978
170	1019	1017	1015	1013	1011	1009	1008	1007	1005	1004	1004	1004	1004	1003	1003	1003	1004	1004	1004
175	1023	1023	1023	1023	1022	1022	1022	1022	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020
180	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	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	1183	1183	1183	1183	1183	1184	1184	1184	1184	1183	1183	1182	1182	1181	1181	1181	1180	1180	1180
5	1181	1181	1181	1180	1180	1180	1180	1179	1179	1178	1177	1177	1176	1175	1174	1174	1173	1172	1172
10	1165	1165	1166	1166	1166	1166	1166	1166	1165	1164	1162	1160	1158	1156	1155	1153	1151	1150	1150
15	1137	1138	1138	1138	1138	1138	1138	1138	1137	1135	1133	1131	1129	1127	1125	1123	1121	1119	1119
20	1099	1100	1100	1101	1101	1101	1101	1101	1100	1098	1095	1093	1090	1087	1084	1081	1078	1076	1075
25	1051	1051	1052	1052	1052	1052	1052	1052	1051	1048	1045	1042	1038	1035	1032	1028	1025	1023	1022
30	994	995	995	995	995	995	995	994	993	990	987	983	979	975	971	968	964	961	960
35	929	930	930	930	930	930	929	928	927	924	920	916	911	907	903	899	895	892	890
40	857	857	857	857	857	857	856	855	854	850	846	841	837	832	828	824	820	816	815
45	778	779	779	779	780	779	779	778	776	772	767	761	756	750	745	740	735	731	730
50	695	696	697	697	697	697	696	695	693	688	682	676	670	664	658	652	647	642	641
55	609	609	610	610	609	609	608	606	604	598	592	586	579	573	567	560	555	550	549
60	520	520	520	519	519	518	516	514	511	505	499	493	486	479	473	467	461	456	455
65	427	427	427	427	426	424	423	420	418	412	405	399	392	385	379	372	367	362	361
70	335	335	335	334	333	331	329	327	324	318	311	305	298	292	285	279	273	268	267
75	246	246	245	244	243	241	238	236	232	226	220	213	207	200	194	188	183	178	176
80	160	159	158	157	155	153	150	147	143	137	131	124	118	111	105	99.2	93.9	89.2	88.2
85	76.8	75.7	74.3	72.5	70.2	67.6	64.7	61.5	57.9	53.0	47.9	42.7	37.6	32.5	27.7	23.1	19.0	15.3	14.3
90	7.43	7.49	7.54	7.57	7.57	7.54	7.46	7.34	7.16	6.54	5.87	5.18	4.49	3.81	3.17	2.59	2.09	1.68	1.99
95	10.4	9.56	9.10	8.96	9.06	9.35	9.78	10.3	10.8	9.49	8.22	7.05	6.05	5.29	4.85	4.80	5.21	6.16	10.8
100	56.0	62.3	70.2	79.1	88.7	98.5	108	117	125	120	114	107	100	92.9	86.1	80.0	75.1	71.7	81.6
105	120	132	146	162	179	197	214	231	246	244	241	237	231	225	219	213	208	205	214
110	199	215	235	258	282	307	332	356	377	377	375	371	365	358	351	344	338	332	342
115	283	304	329	357	387	419	450	480	508	510	510	508	504	498	492	485	478	472	481
120	372	394	422	454	488	524	560	595	628	638	645	650	652	653	652	649	646	643	648
125	462	486	515	549	586	624	664	702	740	757	771	782	791	798	803	806	807	806	808
130	552	576	605	638	675	714	755	794	833	855	874	891	905	916	926	932	936	938	935
135	636	658	685	717	751	788	826	864	901	925	947	966	983	997	1009	1018	1024	1026	1021
140	715	734	757	784	813	845	878	912	945	969	992	1012	1031	1047	1061	1072	1079	1083	1076
145	787	801	819	840	864	889	915	943	970	993	1015	1035	1054	1071	1085	1097	1106	1111	1102
150	848	858	870	885	902	920	940	960	980	1000	1019	1037	1054	1069	1082	1093	1101	1106	1098
155	901	907	915	924	935	947	960	973	987	1001	1015	1029	1042	1053	1063	1072	1078	1083	1076
160	945	948	953	958	965	972	979	987	995	1003	1011	1019	1026	1033	1038	1043	1047	1049	1045
165	979	981	982	984	987	990	993	996	999	1003	1007	1011	1015	1019	1022	1024	1026	1028	1025
170	1004	1004	1004	1004	1004	1004	1005	1005	1005	1007	1008	1009	1010	1012	1013	1014	1015	1015	1014
175	1020	1020	1019	1019	1018	1018	1018	1017	1017	1017	1017	1017	1016	1016	1016	1016	1016	1016	1017
180	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm																		
NAME: 4FT									TYPE:3500K 5.5					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.2*0.07					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	1181	1181	1181	1182	1182	1183	1183	1184	1184	1184	1184	1183	1183	1183	1183	1183	1183	1183	1183
5	1172	1172	1173	1173	1173	1173	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174	1174
10	1150	1150	1150	1150	1151	1151	1152	1152	1153	1153	1153	1153	1153	1154	1154	1154	1154	1154	1154
15	1119	1118	1118	1118	1119	1119	1119	1120	1120	1120	1121	1121	1121	1121	1122	1122	1122	1122	1122
20	1075	1074	1074	1074	1074	1075	1075	1076	1076	1077	1078	1078	1079	1080	1080	1081	1082	1081	1081
25	1021	1021	1021	1021	1021	1022	1023	1023	1024	1024	1025	1026	1026	1027	1028	1028	1029	1028	1028
30	959	959	958	959	959	959	960	961	962	963	963	964	965	966	967	968	968	968	968
35	890	889	889	889	890	891	891	892	893	894	895	896	897	898	899	900	901	900	900
40	814	814	813	814	814	815	816	817	818	819	820	821	822	823	824	825	826	825	825
45	729	729	730	730	731	733	734	736	737	738	740	741	742	743	744	745	746	745	744
50	641	641	642	643	644	646	648	650	651	653	654	655	657	658	659	660	661	660	660
55	548	549	549	551	552	554	556	558	560	562	563	565	567	568	569	571	571	571	570
60	455	455	456	457	459	461	463	465	467	469	472	474	476	477	479	480	481	480	479
65	360	360	361	363	364	366	369	371	374	376	379	381	383	385	387	389	390	389	387
70	267	267	267	269	270	272	274	277	280	282	285	288	291	293	295	297	298	297	295
75	176	176	177	178	180	182	184	187	189	192	195	198	201	203	206	207	209	207	206
80	87.9	88.3	89.2	90.6	92.5	94.7	97.2	99.9	103	106	109	111	114	116	119	120	122	120	119
85	13.8	13.8	14.3	15.2	16.4	18.0	19.8	21.8	24.3	26.9	29.5	32.0	34.4	36.7	38.7	40.3	41.6	40.3	38.5
90	2.39	2.86	3.38	3.93	4.47	5.00	5.47	5.88	5.57	5.18	4.75	4.29	3.83	3.39	2.99	2.65	2.40	2.88	3.44
95	15.9	21.3	26.8	32.2	37.5	42.5	47.0	50.8	48.9	46.3	43.4	40.3	37.3	34.4	32.1	30.3	29.5	36.2	43.6
100	92.9	105	118	131	143	154	164	172	164	154	142	131	119	107	96.6	87.8	81.2	92.4	106
105	225	236	248	259	269	278	285	290	275	258	239	221	202	185	169	156	147	162	181
110	353	365	377	388	397	405	411	414	392	368	343	318	293	269	248	231	219	239	264
115	491	501	510	519	526	531	533	532	505	476	445	415	385	357	332	312	297	320	349
120	654	658	661	662	662	659	654	646	614	579	544	509	476	445	418	396	381	404	434
125	808	806	802	796	788	777	764	748	712	675	637	600	565	532	504	482	466	490	520
130	930	923	913	901	886	869	850	828	791	753	715	678	644	613	586	564	550	572	600
135	1013	1001	987	971	952	931	909	885	850	814	779	746	715	687	663	644	631	651	676
140	1065	1051	1034	1015	994	971	947	922	891	861	830	802	776	752	733	717	707	723	743
145	1089	1074	1056	1036	1014	991	967	943	918	893	869	847	827	810	795	784	778	789	805
150	1086	1072	1055	1037	1018	997	977	956	937	919	902	886	872	860	851	844	840	849	860
155	1067	1056	1043	1030	1015	1000	985	970	957	945	934	923	914	907	901	897	895	900	908
160	1039	1032	1025	1016	1007	998	989	980	973	967	961	956	951	947	944	942	941	943	947
165	1022	1019	1015	1010	1006	1001	996	992	989	986	984	982	980	979	978	977	977	977	978
170	1013	1012	1011	1009	1008	1007	1005	1004	1003	1003	1003	1003	1003	1003	1003	1003	1004	1004	1004
175	1017	1017	1017	1018	1018	1018	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020	1020	1020
180	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020

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:118.9V I:0.4010A P:47.50W PF:0.9900 Freq:60.00Hz Lamp Flux:6794.89x1 lm																	
NAME: 4FT									TYPE:3500K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*0.07						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	1183	1183	1183	1184	1184	1184	1184	1184	1183	1183	1183	1182	1182	1181	1181				
5	1174	1174	1175	1175	1175	1175	1175	1175	1175	1176	1176	1176	1176	1176	1177				
10	1154	1154	1154	1154	1154	1154	1154	1155	1155	1156	1156	1157	1157	1158	1159				
15	1122	1121	1121	1121	1122	1122	1122	1123	1123	1124	1125	1126	1127	1129	1130				
20	1081	1080	1080	1080	1079	1079	1079	1080	1081	1082	1083	1084	1086	1087	1089				
25	1028	1027	1027	1027	1027	1027	1027	1028	1029	1030	1031	1033	1035	1037	1039				
30	967	967	967	966	966	966	966	967	968	970	971	973	975	977	980				
35	899	899	898	898	897	897	897	898	900	901	903	905	908	910	913				
40	824	824	823	822	822	822	822	823	824	826	828	830	833	836	839				
45	744	743	742	742	741	741	741	742	743	745	746	748	751	754	756				
50	659	658	658	657	657	656	656	657	658	659	661	662	664	667	669				
55	569	568	567	566	565	564	564	565	566	567	569	571	573	575	578				
60	478	476	475	473	472	471	470	470	471	473	474	476	478	481	484				
65	385	384	382	380	378	376	375	375	376	377	378	380	382	385	388				
70	293	291	289	287	285	283	281	281	282	283	284	286	288	291	294				
75	203	201	198	196	194	192	190	190	190	191	193	195	197	200	203				
80	116	114	112	109	107	105	103	103	103	104	105	107	108	111	114				
85	36.5	34.3	32.1	29.8	27.6	25.5	23.8	23.6	23.8	24.4	25.3	26.6	28.2	30.2	32.6				
90	4.07	4.74	5.42	6.09	6.74	7.33	7.85	7.95	7.95	7.85	7.65	7.35	6.95	6.44	5.84				
95	51.6	59.9	68.1	76.1	83.6	90.2	95.7	96.3	95.5	93.3	89.8	84.9	78.7	71.1	62.1				
100	121	137	154	171	187	202	216	220	222	221	219	214	207	198	186				
105	202	225	250	274	298	321	341	348	352	353	351	346	338	328	314				
110	292	323	355	388	420	450	478	487	493	495	494	488	479	466	449				
115	382	418	456	494	533	569	603	618	628	634	636	635	629	620	606				
120	469	508	549	592	635	677	717	737	755	768	778	785	789	789	785				
125	555	595	638	682	728	773	816	841	863	882	898	912	922	930	935				
130	634	672	714	758	803	848	892	919	945	968	988	1007	1024	1038	1050				
135	706	741	778	818	860	902	943	971	997	1021	1044	1066	1087	1106	1123				
140	769	797	829	863	898	934	971	996	1021	1045	1068	1091	1113	1134	1154				
145	825	848	873	900	928	957	987	1009	1031	1053	1075	1097	1118	1139	1160				
150	875	891	910	930	951	973	996	1014	1032	1050	1068	1086	1105	1123	1142				
155	917	927	940	953	967	982	997	1010	1023	1037	1051	1065	1079	1094	1109				
160	951	956	962	969	976	984	993	1001	1010	1019	1029	1039	1050	1061	1073				
165	979	981	983	985	988	991	995	998	1003	1007	1013	1018	1024	1030	1037				
170	1005	1005	1006	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1017	1018				
175	1020	1021	1021	1021	1021	1022	1022	1022	1022	1022	1023	1023	1023	1023	1023				
180	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020				

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: