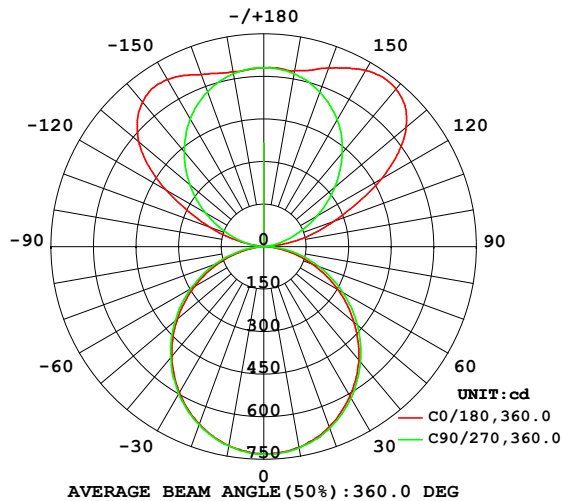


LUMINAIRE PHOTOMETRIC TEST REPORT

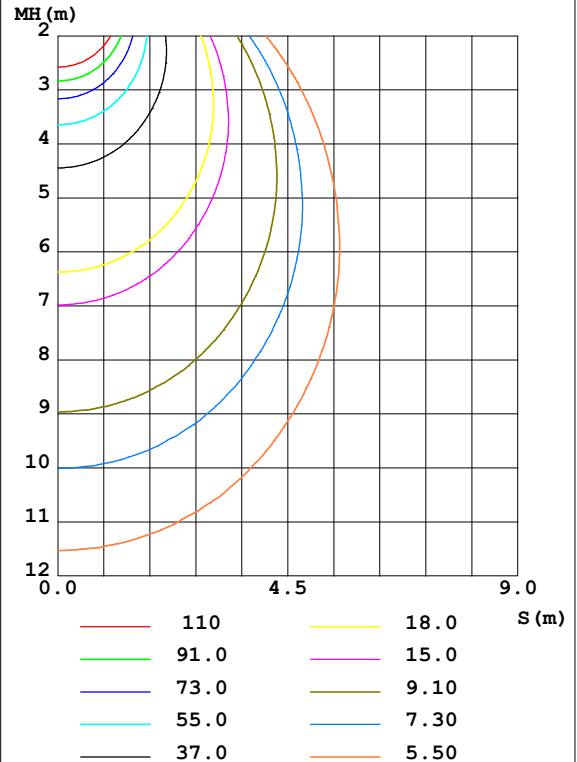
Test:U:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.61 lm/W			
MODEL		I _{max} (cd)	732.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)	30W	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4192.8	η UP,DN(C0-180)	25.7,24.6
NOMINAL FLUX(lm)	4192.85	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.4,23.2
LAMPS INSIDE	1	η up(%)	52.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.9	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:

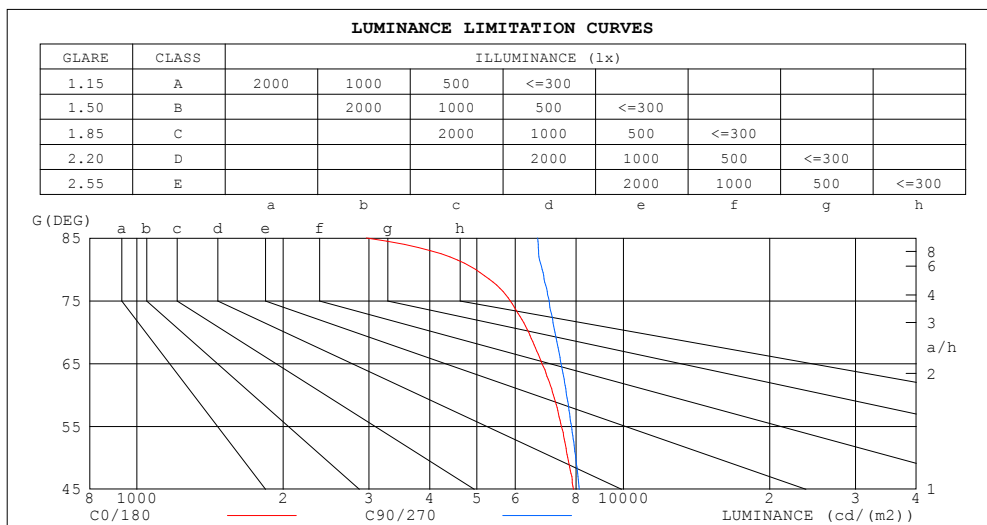
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	718.3	721.1	720.4	720.3	712.3	711.1	713.0	715.4	0- 10	69.11	69.11	1.65,1.65
20	676.3	680.5	681.2	680.9	665.8	664.8	668.1	667.4	10- 20	196.9	266.0	6.34,6.34
30	607.5	617.3	616.0	615.0	595.1	594.4	600.0	597.1	20- 30	295.6	561.7	13.4,13.4
40	521.9	531.3	530.3	528.9	504.6	504.7	510.7	507.9	30- 40	352.3	914.0	21.8,21.8
50	415.0	431.4	431.1	429.3	397.6	401.2	408.7	404.7	40- 50	360.7	1275	30.4,30.4
60	301.6	318.6	321.2	316.8	282.6	287.0	298.7	289.7	50- 60	321.2	1596	38.1,38.1
70	183.5	202.0	208.0	200.3	166.8	171.0	184.2	173.2	60- 70	241.4	1837	43.8,43.8
80	72.52	89.11	99.34	87.86	55.46	62.03	75.21	63.79	70- 80	137.1	1974	47.1,47.1
90	3.046	4.893	4.516	4.459	1.013	3.506	1.454	4.690	80- 90	33.34	2008	47.9,47.9
100	106.2	106.6	31.78	76.04	44.20	104.2	51.00	131.9	90-100	33.39	2041	48.7,48.7
110	264.3	263.7	113.0	229.5	205.0	254.4	135.5	295.1	100-110	158.9	2200	52.5,52.5
120	481.1	418.1	217.3	382.9	395.4	398.3	236.6	444.2	110-120	293.6	2494	59.5,59.5
130	654.9	536.2	326.9	509.5	575.7	509.7	340.3	551.7	120-130	393.3	2887	68.9,68.9
140	725.6	595.3	430.5	577.9	665.0	567.7	436.2	600.3	130-140	417.6	3304	78.8,78.8
150	717.6	615.7	517.7	601.9	680.0	589.5	519.4	615.3	140-150	371.2	3676	87.7,87.7
160	670.6	616.8	579.6	611.5	646.1	604.4	580.6	613.6	150-160	282.5	3958	94.4,94.4
170	630.0	619.4	619.0	618.7	626.2	619.3	619.7	621.5	160-170	174.8	4133	98.6,98.6
180	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	170-180	59.73	4193	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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	2963	6665
80	4972	6811
75	5857	7040
70	6387	7239
65	6805	7442
60	7182	7646
55	7459	7832
50	7687	7985
45	7902	8116

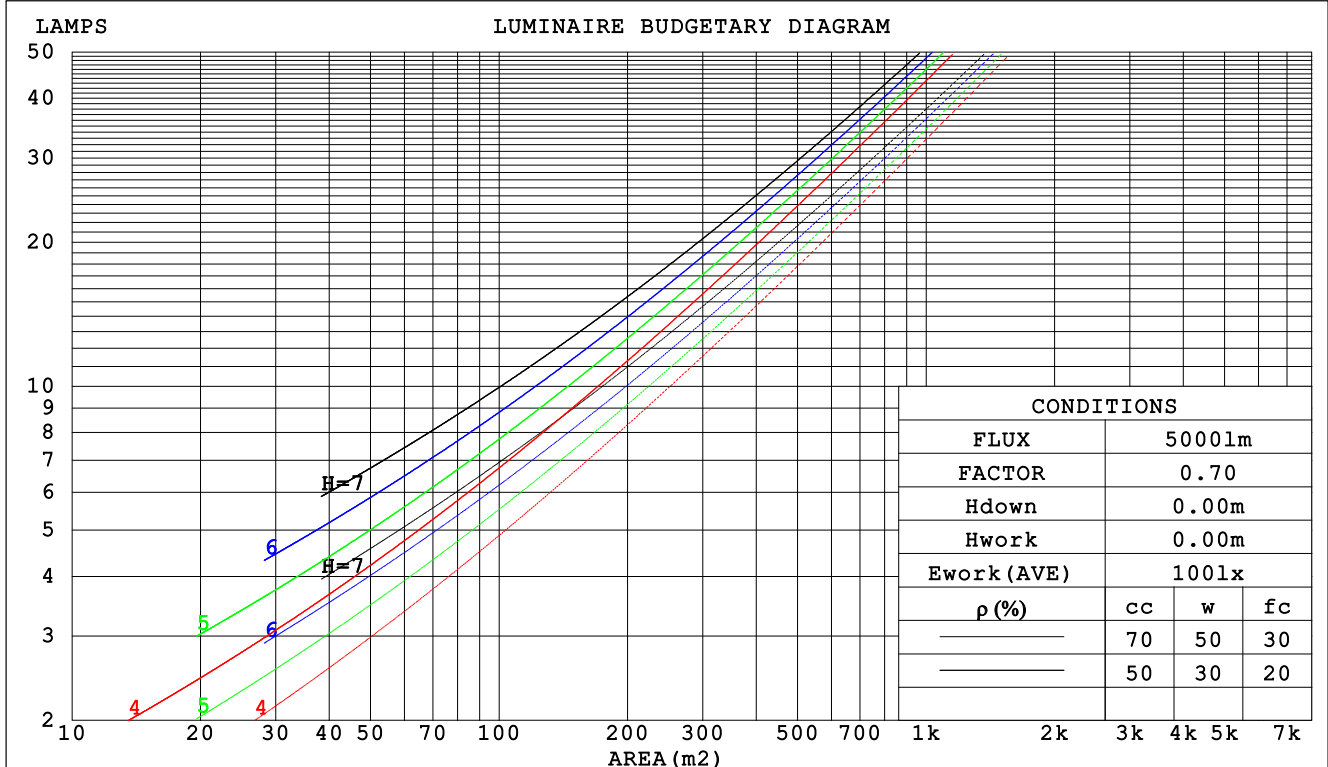
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	.68	.68	.68	.54	.54	.54	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.70	.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	.34
3.0	.71	.64	.58	.66	.59	.54	.55	.51	.47	.46	.42	.39	.37	.35	.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	.37	.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	.25	.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	.18	.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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	.033	.140	.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	.102	.031	.155	.085	.026	.124	.069	.021		
4.0	.224	.116	.034	.206	.108	.032	.174	.092	.028	.144	.077	.023	.115	.063	.019		
5.0	.207	.106	.031	.192	.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	.502	.502	.502	.343	.343	.343	.197	.197	.197	.063	.063	.063	
1.0	.579	.557	.537	.495	.478	.462	.339	.329	.320	.195	.190	.186	.062	.061	.060	
2.0	.571	.535	.505	.489	.461	.436	.335	.319	.304	.193	.185	.178	.062	.060	.058	
3.0	.564	.519	.483	.484	.448	.419	.332	.311	.294	.192	.182	.173	.062	.059	.057	
4.0	.558	.507	.469	.478	.438	.408	.329	.306	.287	.190	.179	.170	.061	.058	.056	
5.0	.551	.498	.459	.473	.431	.399	.326	.301	.282	.189	.177	.167	.061	.058	.055	
6.0	.545	.491	.452	.468	.425	.393	.323	.297	.278	.187	.175	.165	.060	.057	.055	
7.0	.539	.485	.446	.464	.420	.389	.320	.294	.276	.186	.173	.164	.060	.057	.054	
8.0	.533	.479	.442	.459	.416	.386	.318	.292	.274	.185	.172	.163	.060	.056	.054	
9.0	.528	.475	.439	.455	.412	.383	.315	.290	.272	.184	.171	.162	.059	.056	.054	
10.0	.523	.471	.437	.451	.409	.381	.313	.288	.271	.182	.170	.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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm											
NAME: 4FT						TYPE:4000K 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	2H	16.5	17.5	17.4	18.3	19.5	16.7	17.7	17.6	18.5	19.7
	3H	17.9	18.7	18.8	19.6	20.8	18.2	19.1	19.1	20.0	21.1
	4H	18.4	19.2	19.3	20.1	21.3	18.8	19.6	19.8	20.5	21.7
	6H	18.7	19.4	19.6	20.3	21.5	19.3	20.0	20.3	21.0	22.2
	8H	18.8	19.4	19.7	20.4	21.6	19.5	20.2	20.4	21.1	22.3
	12H	18.7	19.4	19.7	20.3	21.6	19.6	20.3	20.6	21.2	22.4
4H	2H	17.0	17.8	17.9	18.7	19.9	17.2	17.9	18.1	18.9	20.0
	3H	18.5	19.2	19.5	20.1	21.4	18.8	19.5	19.8	20.4	21.7
	4H	19.1	19.7	20.1	20.7	22.0	19.6	20.1	20.5	21.1	22.4
	6H	19.6	20.1	20.6	21.1	22.3	20.2	20.7	21.2	21.7	22.9
	8H	19.7	20.1	20.7	21.1	22.4	20.4	20.9	21.4	21.8	23.1
	12H	19.7	20.1	20.7	21.1	22.4	20.5	21.0	21.5	22.0	23.3
8H	4H	19.3	19.8	20.3	20.8	22.1	19.7	20.2	20.7	21.2	22.5
	6H	19.9	20.3	20.9	21.3	22.6	20.4	20.8	21.5	21.8	23.2
	8H	20.1	20.4	21.1	21.4	22.8	20.8	21.1	21.8	22.1	23.5
	12H	20.1	20.4	21.2	21.4	22.8	21.0	21.3	22.0	22.3	23.7
12H	4H	19.3	19.7	20.3	20.7	22.0	19.7	20.1	20.7	21.1	22.4
	6H	19.9	20.3	20.9	21.3	22.6	20.4	20.8	21.5	21.8	23.2
	8H	20.1	20.4	21.2	21.5	22.8	20.8	21.1	21.8	22.1	23.5
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 4193 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.0)

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

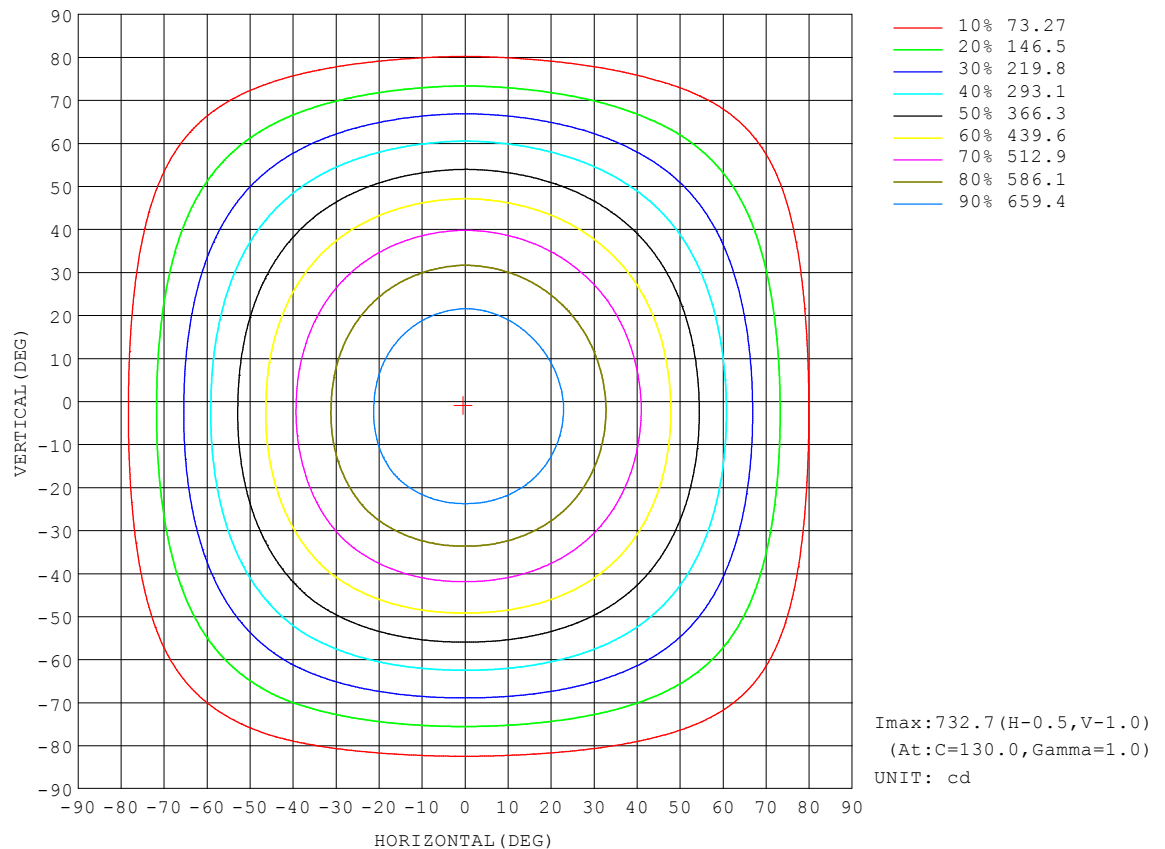
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	32	26	41	31	25	36	28	23	16
0.80	53	41	34	50	39	33	43	35	30	20
1.00	61	49	42	57	47	40	49	43	36	24
1.25	68	57	49	63	53	47	54	47	42	28
1.50	73	62	55	68	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	71	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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

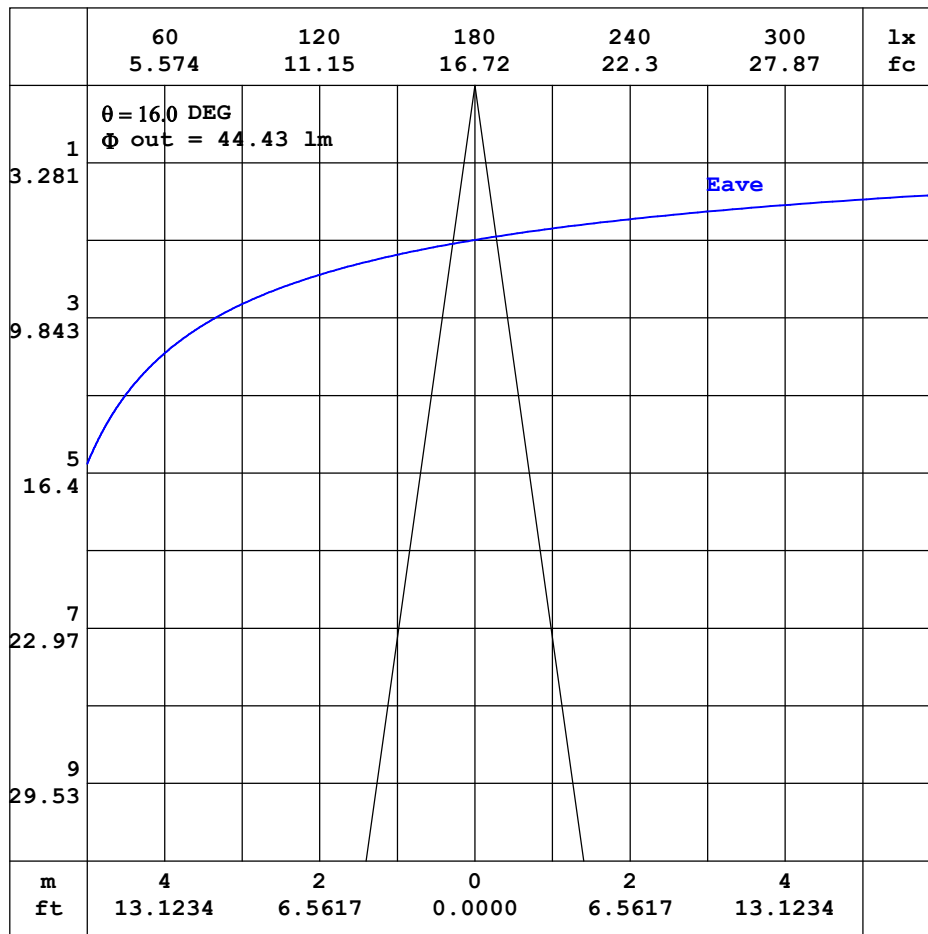


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



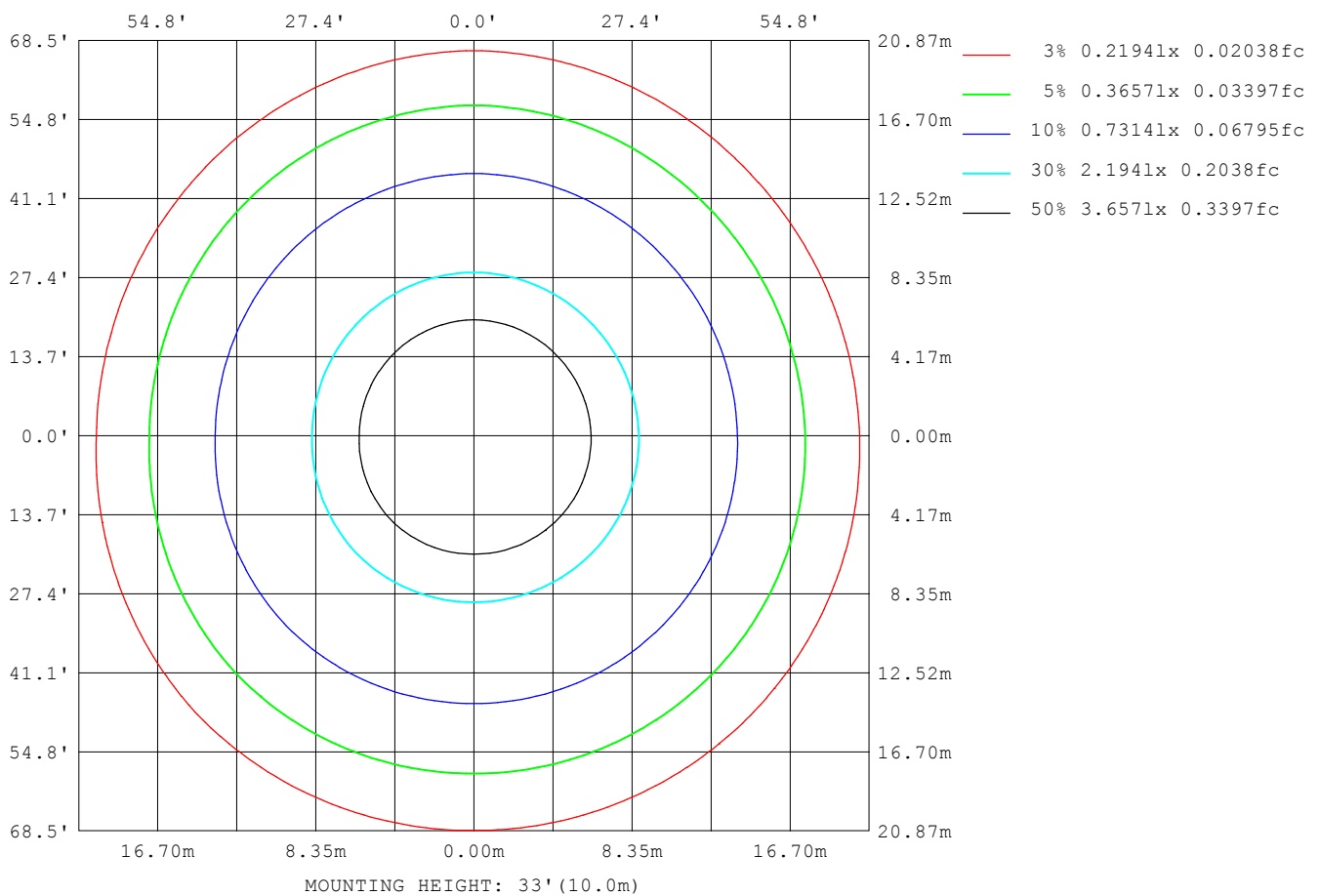
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

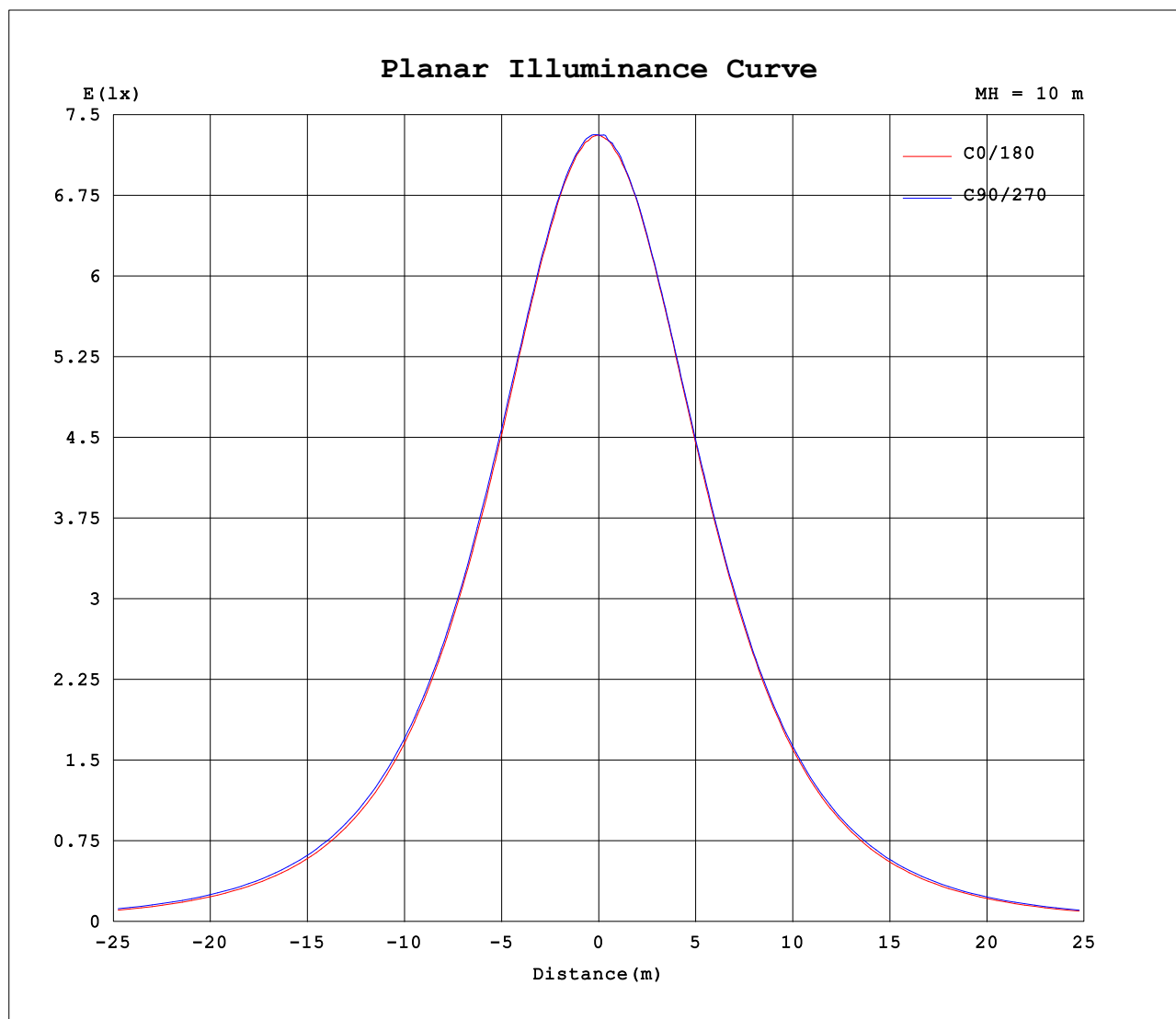
AvgL	cd/m2
L_0~180 (65) av	6559
L_0~180 (75) av	5434
L_0~180 (85) av	2131
L_90~270 (65) av	7118
L_90~270 (75) av	6460
L_90~270 (85) av	5087
L_45 (65) av	6898
L_45 (75) av	5974
L_45 (85) av	3457

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731
5	727	728	728	729	729	729	730	730	730	730	730	730	730	730	730	730	730	730	730
10	718	719	719	720	720	720	721	721	721	721	721	721	721	721	721	721	721	720	720
15	700	701	701	702	702	703	703	704	704	704	704	704	704	704	704	704	704	704	704
20	676	677	678	678	679	679	679	680	680	681	681	681	681	681	681	681	681	681	681
25	644	645	646	647	648	649	650	650	651	651	652	652	652	652	652	652	652	652	652
30	607	609	611	612	613	614	615	616	617	617	617	618	618	617	617	617	617	616	616
35	568	569	570	571	572	573	573	574	575	575	575	575	575	575	575	575	575	575	574
40	522	523	525	526	527	528	529	530	531	531	531	532	532	532	531	531	531	531	530
45	469	472	474	476	477	479	480	481	482	483	483	484	484	483	483	483	483	482	482
50	415	418	420	422	424	426	428	429	430	431	432	432	432	432	432	432	432	432	431
55	359	362	365	367	369	371	373	374	375	376	377	378	378	378	378	378	378	378	377
60	302	304	307	309	311	313	315	316	317	319	319	320	321	321	321	321	321	321	321
65	242	244	247	250	252	254	256	258	259	261	262	262	263	264	264	264	264	264	264
70	183	186	189	191	193	195	197	199	201	202	203	204	205	206	207	207	208	208	208
75	127	130	132	134	136	138	140	141	143	145	146	148	149	150	151	152	152	153	153
80	72.5	74.7	76.8	78.8	80.7	82.5	84.3	86.0	87.6	89.1	90.8	92.5	94.0	95.4	96.6	97.6	98.4	99.0	99.3
85	21.7	23.7	25.6	27.5	29.3	31.1	32.8	34.4	36.0	37.5	39.4	41.1	42.8	44.3	45.6	46.8	47.7	48.4	48.8
90	3.05	3.36	3.65	3.91	4.14	4.35	4.52	4.67	4.80	4.89	4.91	4.91	4.89	4.85	4.80	4.73	4.66	4.59	4.52
95	29.9	31.5	32.8	33.8	34.4	34.7	34.6	34.2	33.4	32.3	29.9	27.3	24.4	21.4	18.4	15.4	12.5	9.71	7.18
100	106	110	113	115	116	116	115	113	110	107	98.5	89.6	80.4	71.1	61.9	53.1	45.0	37.8	31.8
105	184	189	192	195	196	195	193	190	186	180	168	154	140	126	112	99.3	87.4	77.0	68.7
110	264	272	277	281	283	283	281	277	271	264	247	228	210	190	172	154	138	124	113
115	364	370	374	375	375	373	369	363	355	345	324	301	278	255	233	212	193	177	164
120	481	481	479	475	470	463	454	444	432	418	393	368	342	316	291	268	248	231	217
125	580	575	568	560	551	540	528	514	499	483	456	428	400	373	347	324	303	286	272
130	655	646	636	625	613	600	586	570	554	536	509	481	453	426	400	377	357	340	327
135	704	693	680	667	653	639	624	608	591	573	547	520	494	469	446	425	406	391	380
140	726	713	700	686	672	657	643	627	611	595	572	549	527	506	486	468	452	440	431
145	730	717	704	690	677	664	650	636	622	608	590	571	553	537	521	507	495	485	478
150	718	706	695	683	672	661	649	638	627	616	601	587	574	561	549	539	530	523	518
155	695	686	678	669	661	652	644	636	628	620	610	600	590	582	573	566	560	555	551
160	671	664	657	651	645	639	633	627	622	617	611	605	600	595	591	587	584	581	580
165	644	641	637	634	631	628	625	622	620	617	615	613	610	609	607	605	604	603	603
170	630	628	627	625	624	623	622	621	620	619	619	619	619	619	619	619	619	619	619
175	631	631	631	630	630	630	630	630	629	629	629	629	629	629	629	629	628	628	628
180	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	731	731	731	731	731	731	731	732	732	732	732	732	732	732	731	731	731	731	731
5	730	730	730	730	731	731	731	731	730	730	729	728	728	727	726	726	725	724	724
10	720	721	721	721	721	721	721	721	720	720	719	718	717	716	715	714	713	712	712
15	704	705	705	705	705	705	705	705	704	703	702	700	699	698	696	695	693	692	692
20	681	682	682	682	682	682	682	681	681	679	678	676	674	673	671	669	667	666	665
25	652	652	652	652	652	652	651	651	650	648	646	644	643	640	639	637	635	633	633
30	616	616	617	617	617	616	616	616	615	613	611	609	606	604	601	599	597	595	594
35	575	575	575	576	576	576	575	575	574	572	570	567	565	562	559	557	555	552	551
40	531	531	531	531	531	531	530	530	529	527	524	521	518	515	512	510	507	505	504
45	482	483	483	483	483	483	483	482	481	478	475	472	469	465	462	459	456	453	452
50	432	432	432	432	432	432	431	430	429	426	423	419	415	411	407	404	401	398	397
55	378	378	378	378	378	377	377	376	374	371	367	363	359	355	351	347	344	340	340
60	321	322	322	321	321	320	320	318	317	313	309	305	301	297	293	289	286	283	282
65	264	264	264	264	263	263	261	260	258	255	251	247	243	239	235	231	227	224	223
70	208	208	208	207	206	205	204	202	200	197	193	189	185	181	177	173	170	167	166
75	153	153	152	151	150	149	147	145	143	139	135	131	127	123	119	115	112	109	108
80	99.1	98.6	97.9	96.9	95.6	94.1	92.2	90.2	87.9	84.2	80.4	76.4	72.5	68.6	64.9	61.4	58.2	55.5	54.9
85	48.4	47.7	46.7	45.4	44.0	42.3	40.4	38.3	36.0	32.9	29.7	26.5	23.3	20.1	17.1	14.3	11.8	9.51	8.84
90	4.56	4.61	4.64	4.67	4.68	4.67	4.63	4.56	4.46	4.07	3.66	3.23	2.79	2.37	1.96	1.59	1.27	1.01	1.19
95	6.40	5.89	5.61	5.52	5.59	5.77	6.04	6.36	6.68	5.88	5.11	4.39	3.78	3.32	3.05	3.02	3.27	3.85	6.69
100	34.4	38.2	42.9	48.4	54.2	60.1	65.9	71.3	76.0	73.2	69.6	65.6	61.3	57.0	52.9	49.3	46.3	44.2	50.1
105	73.7	80.7	89.2	98.9	109	120	131	141	150	149	147	144	141	137	133	130	126	124	130
110	120	130	142	156	171	186	201	216	230	230	229	226	223	220	216	212	208	205	211
115	173	185	201	218	236	255	274	293	310	312	312	311	308	305	302	298	294	291	296
120	227	241	257	277	297	319	341	363	383	389	394	397	399	400	399	399	397	395	399
125	283	297	315	335	358	381	405	429	452	462	471	479	485	489	492	494	495	495	496
130	337	352	369	390	412	436	461	486	509	523	535	545	554	562	568	572	575	576	574
135	389	402	419	438	459	482	505	528	551	566	579	591	602	611	619	624	628	630	627
140	438	449	463	480	498	517	537	558	578	593	607	620	631	642	650	657	662	665	661
145	484	492	503	516	530	545	561	578	594	608	622	635	646	657	666	673	679	682	677
150	522	527	535	544	554	565	577	589	602	614	625	637	647	656	665	672	677	680	675
155	553	557	562	568	574	582	590	598	607	615	624	632	640	647	654	659	663	666	662
160	581	583	586	589	593	597	602	607	612	617	622	627	631	635	639	642	645	646	643
165	603	604	605	606	607	609	611	613	615	617	620	622	624	627	629	630	632	633	631
170	619	619	618	618	618	618	618	618	619	620	620	621	622	623	624	625	626	626	626
175	628	627	627	627	627	626	626	626	626	626	626	626	626	626	627	627	627	627	627
180	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm		
NAME: 4FT	TYPE:4000K 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	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731
5	724	724	724	725	725	725	725	725	726	726	726	726	726	726	727	727	727	727	727
10	712	711	711	711	711	711	711	711	711	711	712	712	712	712	712	713	713	713	713
15	691	691	691	691	691	691	692	692	692	692	692	693	693	693	693	694	694	694	694
20	665	664	664	664	664	664	665	665	665	665	666	666	667	667	667	668	668	668	668
25	632	632	632	632	632	632	632	633	633	634	634	635	635	636	636	637	637	637	637
30	594	593	593	593	593	594	594	594	595	596	596	597	598	598	599	600	600	600	599
35	551	550	550	550	550	550	550	551	551	552	553	554	555	556	557	558	559	558	558
40	503	503	503	503	503	504	504	505	505	506	507	508	508	509	510	510	511	510	510
45	452	451	451	452	452	453	454	454	455	456	457	458	459	459	460	461	461	461	461
50	396	396	397	397	398	399	400	401	402	403	404	405	406	407	407	408	409	408	408
55	339	339	339	340	341	342	343	344	346	347	348	349	350	351	352	353	354	353	353
60	281	281	282	282	283	284	286	287	288	290	291	293	294	296	297	298	299	298	297
65	223	223	223	224	225	226	228	229	231	232	234	235	237	238	239	240	241	240	239
70	165	165	166	166	167	168	170	171	173	174	176	178	179	181	182	183	184	183	182
75	108	108	109	109	111	112	113	115	117	118	120	122	123	125	126	127	128	127	126
80	54.7	54.9	55.5	56.4	57.5	58.9	60.4	62.0	63.7	65.5	67.2	68.9	70.5	72.0	73.3	74.4	75.2	74.3	73.2
85	8.52	8.51	8.78	9.31	10.1	11.0	12.1	13.4	14.9	16.5	18.1	19.7	21.2	22.6	23.9	24.9	25.7	24.8	23.7
90	1.42	1.70	2.01	2.34	2.66	2.98	3.26	3.51	3.32	3.10	2.84	2.57	2.30	2.04	1.80	1.60	1.45	1.74	2.07
95	9.80	13.1	16.5	19.8	23.1	26.1	28.9	31.2	30.1	28.5	26.8	24.9	23.1	21.3	19.9	18.9	18.4	22.5	27.1
100	56.8	64.1	71.7	79.3	86.7	93.5	99.4	104	99.4	93.5	86.9	79.8	72.8	66.1	59.9	54.8	51.0	57.8	65.9
105	137	144	151	158	165	171	175	178	169	159	148	136	125	114	105	96.5	90.7	100	112
110	218	225	232	239	245	249	253	254	241	227	211	196	181	166	154	143	136	148	163
115	302	308	314	319	323	326	328	327	311	293	275	256	238	221	206	194	185	199	216
120	402	405	407	408	408	406	403	398	379	358	336	315	295	276	259	246	237	251	270
125	496	495	493	489	484	478	470	461	439	416	393	370	349	329	312	299	289	304	322
130	571	567	561	553	545	534	523	510	487	464	441	418	397	378	362	349	340	354	372
135	622	615	606	596	585	572	558	544	522	501	479	459	440	423	409	397	390	402	417
140	654	646	636	624	611	598	583	568	549	530	511	494	478	463	451	442	436	446	459
145	670	661	650	638	625	611	596	582	566	551	536	523	510	499	490	484	480	487	497
150	668	659	649	638	627	615	602	589	578	567	557	547	539	531	526	522	519	525	532
155	656	650	643	634	626	617	607	598	590	583	576	570	565	560	557	554	553	556	561
160	640	636	631	626	621	615	610	604	600	596	593	589	586	584	582	581	581	582	584
165	630	628	625	623	620	617	615	612	610	609	607	606	605	604	603	603	603	603	604
170	625	624	624	623	622	621	620	619	619	619	619	619	619	619	619	619	619	620	620
175	627	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	628	629	629
180	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629

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:119.0V I:0.2500A P:29.40W PF:0.9800 Freq:60.00Hz Lamp Flux:4192.85x1 lm																	
NAME: 4FT									TYPE:4000K 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	731	731	731	731	731	732	732	732	732	732	732	732	732	731	731				
5	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727				
10	714	714	714	715	715	715	715	716	716	716	717	717	717	718	718				
15	694	694	694	693	693	694	694	694	695	695	696	696	697	698	699				
20	668	668	667	667	667	667	667	668	669	669	670	671	672	674	675				
25	636	636	636	635	635	635	635	635	636	637	638	639	640	641	643				
30	599	598	598	598	597	597	597	598	598	599	600	601	603	604	606				
35	557	557	556	555	555	555	554	555	556	557	558	560	561	563	565				
40	509	509	509	508	508	508	508	509	510	511	512	514	515	517	519				
45	460	460	459	459	458	458	458	458	459	460	461	462	464	466	467				
50	407	407	406	406	405	405	405	405	406	407	408	409	410	412	413				
55	352	351	350	350	349	348	348	348	349	350	351	352	354	355	357				
60	296	295	294	292	291	290	290	290	291	291	292	294	295	297	299				
65	238	237	236	234	233	232	231	231	232	232	233	235	236	238	239				
70	181	180	178	177	175	174	173	173	174	174	175	176	178	179	181				
75	125	123	122	120	119	118	117	117	117	118	119	120	121	123	125				
80	71.9	70.5	69.0	67.6	66.2	64.9	63.8	63.8	64.0	64.5	65.2	66.2	67.4	68.8	70.6				
85	22.5	21.1	19.6	18.2	16.8	15.5	14.4	14.3	14.4	14.7	15.3	16.1	17.2	18.5	20.0				
90	2.45	2.84	3.25	3.65	4.03	4.39	4.69	4.75	4.75	4.68	4.56	4.38	4.14	3.83	3.47				
95	32.1	37.2	42.2	47.1	51.7	55.7	59.0	59.2	58.6	57.1	54.7	51.5	47.4	42.4	36.6				
100	75.0	84.7	94.8	105	115	124	132	134	135	135	134	131	127	121	114				
105	125	139	154	169	184	198	211	215	217	218	217	214	209	202	194				
110	181	200	220	240	260	278	295	301	305	306	305	301	296	288	277				
115	237	259	282	306	329	352	373	382	388	392	393	392	389	383	375				
120	291	315	341	367	394	420	444	457	467	475	482	486	488	488	485				
125	344	369	395	423	451	479	505	521	534	546	556	564	571	575	578				
130	393	416	442	469	497	525	552	568	584	598	611	622	633	641	649				
135	436	458	481	506	531	557	583	600	616	631	646	659	672	683	694				
140	475	493	512	533	555	578	600	616	631	646	661	675	688	701	714				
145	509	524	539	556	574	592	610	624	638	652	665	678	691	704	717				
150	541	551	562	575	588	601	615	626	638	649	660	671	683	694	706				
155	567	573	581	589	598	607	617	625	633	641	650	658	667	676	686				
160	587	590	594	598	603	608	614	619	624	630	636	642	649	656	663				
165	605	606	607	609	610	612	615	617	620	623	626	629	632	636	640				
170	620	620	620	620	621	621	621	622	623	624	624	626	626	627	629				
175	629	629	629	629	629	629	629	630	630	630	630	630	631	631	631				
180	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629				

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: