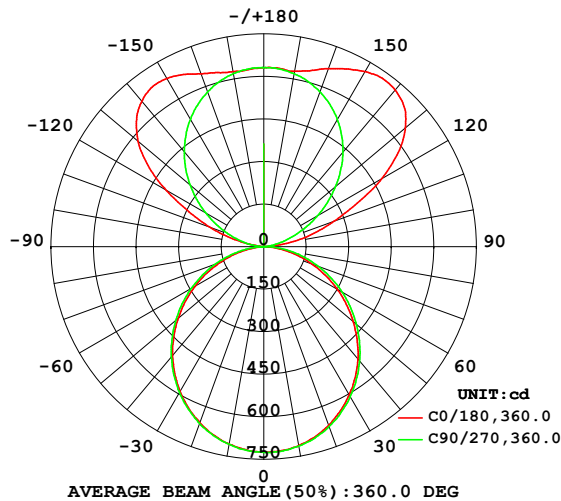


LUMINAIRE PHOTOMETRIC TEST REPORT

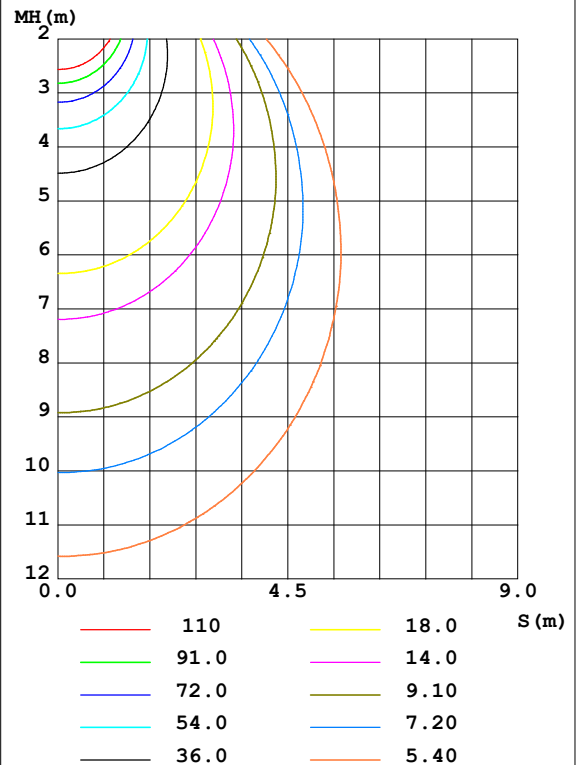
Test:U:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.03 lm/W			
MODEL		I _{max} (cd)	726.4	S/MH(C0/180)	1.24
NOMINAL POWER(W)	30W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4176.9	η UP,DN(C0-180)	25.9,24.5
NOMINAL FLUX(lm)	4176.89	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.5,23.1
LAMPS INSIDE	1	η up(%)	52.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.6	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:

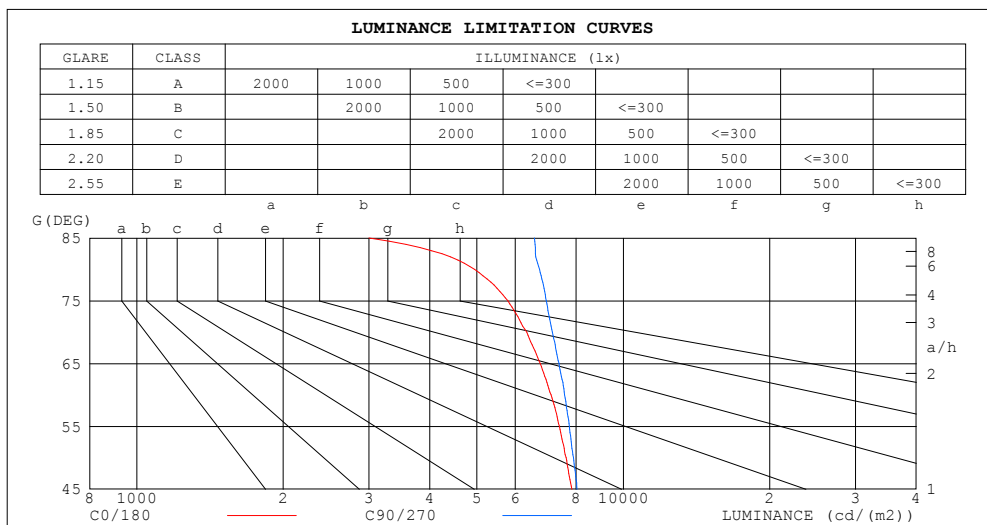
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	712.1	714.2	714.2	713.7	706.9	706.4	707.3	708.4	0- 10	68.51	68.51	1.64,1.64
20	669.7	674.6	674.8	674.6	660.3	659.7	663.6	661.7	10- 20	195.2	263.7	6.31,6.31
30	603.4	610.7	609.9	608.6	590.6	587.9	594.6	590.4	20- 30	293.1	556.8	13.3,13.3
40	517.0	526.6	526.3	524.5	501.6	500.0	507.1	503.0	30- 40	349.1	905.9	21.7,21.7
50	412.2	427.3	426.8	424.9	394.4	397.9	405.2	400.6	40- 50	357.5	1263	30.2,30.2
60	298.6	315.6	318.3	313.7	280.0	284.7	295.9	287.6	50- 60	318.2	1582	37.9,37.9
70	182.0	200.4	205.5	198.8	164.9	169.5	182.8	171.8	60- 70	239.2	1821	43.6,43.6
80	72.28	88.33	98.25	86.92	54.87	61.41	74.64	63.15	70- 80	135.8	1957	46.8,46.8
90	3.048	4.814	4.479	4.366	1.013	3.501	1.356	4.671	80- 90	33.06	1990	47.6,47.6
100	105.9	107.0	31.42	76.49	43.53	104.3	50.47	131.2	90-100	33.23	2023	48.4,48.4
110	264.7	264.9	113.8	231.6	204.5	255.3	134.8	294.0	100-110	159.1	2182	52.2,52.2
120	481.6	418.5	219.7	387.5	396.0	398.9	235.0	441.5	110-120	294.0	2476	59.3,59.3
130	652.0	536.7	330.4	514.4	578.7	510.9	339.3	548.5	120-130	393.9	2870	68.7,68.7
140	721.0	595.3	434.8	583.3	668.8	568.9	436.2	596.1	130-140	418.2	3288	78.7,78.7
150	712.5	615.2	518.5	605.6	684.6	589.4	518.1	611.8	140-150	371.5	3660	87.6,87.6
160	668.1	616.6	580.8	613.4	648.6	603.9	580.4	611.0	150-160	282.6	3942	94.4,94.4
170	628.2	619.9	619.2	620.0	626.6	618.3	619.6	622.0	160-170	174.9	4117	98.6,98.6
180	628.9	628.9	628.9	628.9	628.9	628.9	628.9	628.9	170-180	59.77	4177	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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	3002	6567
80	4949	6728
75	5788	6948
70	6328	7145
65	6753	7375
60	7102	7570
55	7392	7748
50	7624	7895
45	7836	8030

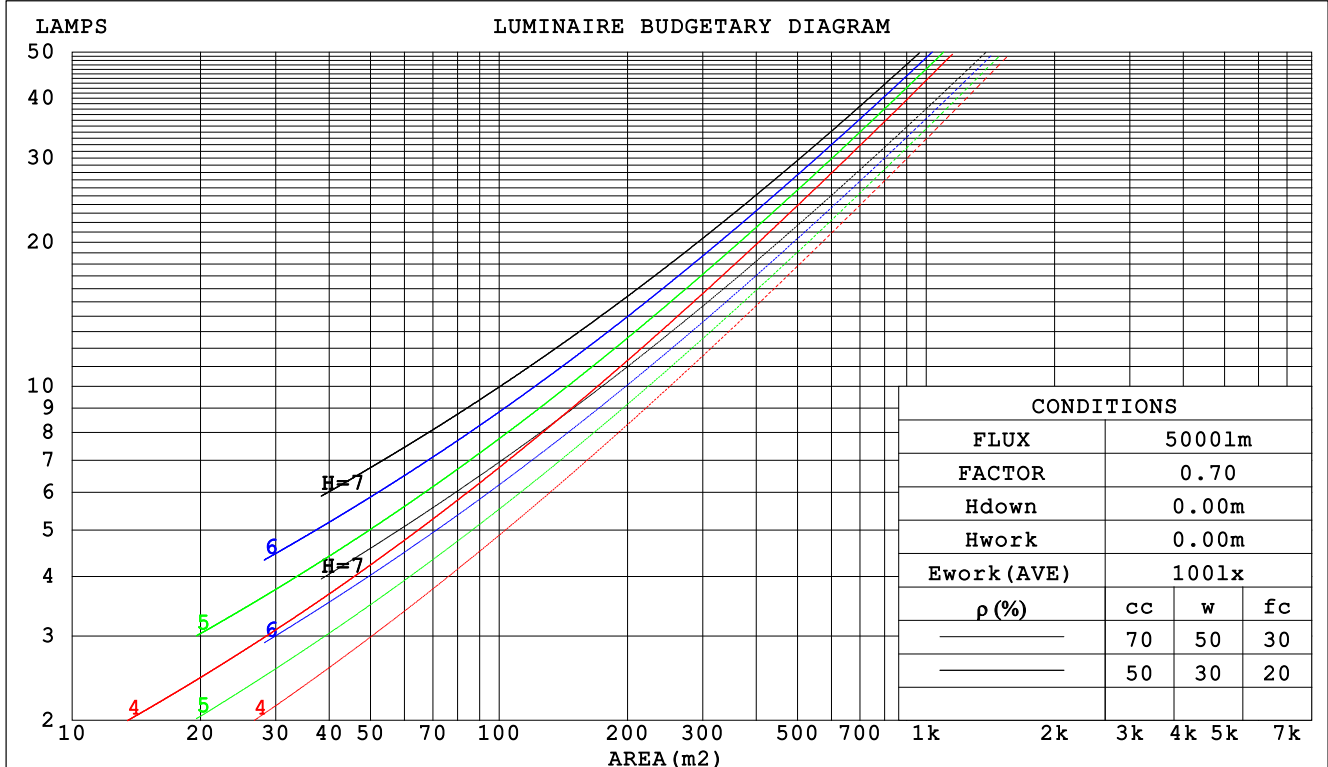
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	.46	.45	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.55	.52	.49	.47	.42	.40	.38	.33
3.0	.71	.64	.58	.66	.59	.54	.55	.50	.46	.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	.32	.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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	.175	.101	.032	.139	.081	.026		
2.0	.261	.143	.044	.240	.132	.041	.201	.112	.035	.166	.093	.029	.132	.075	.024		
3.0	.242	.129	.039	.223	.119	.036	.187	.101	.031	.154	.084	.026	.124	.068	.021		
4.0	.224	.116	.034	.206	.108	.032	.173	.092	.027	.143	.077	.023	.115	.062	.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	.140	.071	.020	.116	.060	.017	.093	.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	.051	.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	.589	.589	.589	.504	.504	.504	.344	.344	.344	.198	.198	.198	.063	.063	.063	
1.0	.581	.559	.539	.497	.479	.464	.340	.330	.321	.196	.191	.187	.063	.061	.060	
2.0	.573	.537	.507	.491	.462	.438	.336	.320	.305	.194	.186	.179	.062	.060	.058	
3.0	.566	.521	.485	.485	.450	.421	.333	.312	.295	.192	.182	.174	.062	.059	.057	
4.0	.559	.509	.471	.480	.440	.409	.330	.307	.288	.191	.180	.170	.061	.058	.056	
5.0	.553	.500	.461	.475	.433	.401	.327	.302	.283	.190	.177	.168	.061	.058	.055	
6.0	.547	.493	.454	.470	.427	.395	.324	.299	.280	.188	.176	.166	.061	.057	.055	
7.0	.541	.486	.448	.465	.422	.391	.321	.296	.277	.187	.174	.165	.060	.057	.055	
8.0	.535	.481	.444	.461	.418	.387	.319	.293	.275	.185	.173	.164	.060	.057	.054	
9.0	.530	.477	.441	.457	.414	.385	.316	.291	.273	.184	.172	.163	.060	.056	.054	
10.0	.525	.473	.439	.452	.411	.383	.314	.289	.272	.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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	2H	16.5	17.4	17.4	18.3	19.4	16.7	17.6	17.6	18.5	19.6
	3H	17.8	18.6	18.7	19.6	20.7	18.2	19.0	19.1	19.9	21.1
	4H	18.3	19.1	19.2	20.0	21.2	18.8	19.6	19.7	20.5	21.7
	6H	18.6	19.3	19.6	20.3	21.5	19.3	20.0	20.2	20.9	22.1
	8H	18.7	19.4	19.6	20.3	21.5	19.4	20.1	20.4	21.1	22.3
	12H	18.7	19.3	19.6	20.3	21.5	19.5	20.2	20.5	21.1	22.4
4H	2H	17.0	17.7	17.9	18.6	19.8	17.1	17.9	18.0	18.8	20.0
	3H	18.5	19.1	19.4	20.1	21.3	18.8	19.4	19.7	20.4	21.6
	4H	19.1	19.7	20.1	20.6	21.9	19.5	20.1	20.5	21.1	22.3
	6H	19.5	20.0	20.5	21.0	22.3	20.1	20.6	21.1	21.6	22.9
	8H	19.6	20.1	20.6	21.1	22.4	20.3	20.8	21.3	21.8	23.1
	12H	19.6	20.0	20.6	21.0	22.4	20.5	20.9	21.5	21.9	23.2
8H	4H	19.3	19.7	20.3	20.7	22.0	19.6	20.1	20.6	21.1	22.4
	6H	19.8	20.2	20.9	21.2	22.6	20.4	20.8	21.4	21.8	23.1
	8H	20.0	20.3	21.0	21.4	22.7	20.7	21.0	21.7	22.1	23.4
	12H	20.1	20.4	21.1	21.4	22.8	20.9	21.2	22.0	22.3	23.6
12H	4H	19.2	19.7	20.3	20.7	22.0	19.6	20.0	20.6	21.0	22.3
	6H	19.9	20.2	20.9	21.2	22.6	20.4	20.7	21.4	21.7	23.1
	8H	20.1	20.4	21.1	21.4	22.8	20.7	21.0	21.8	22.1	23.4
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 4177 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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

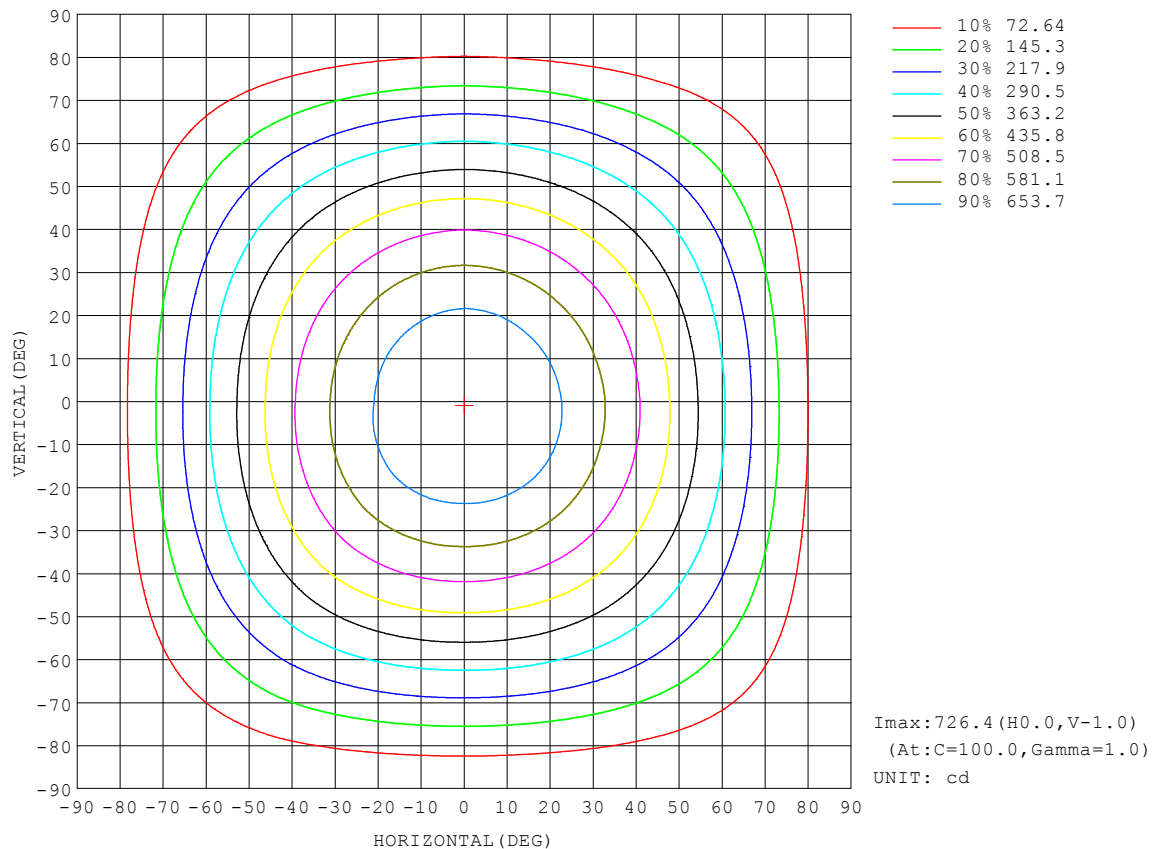
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	32	26	41	31	25	36	28	23	16
0.80	53	41	34	49	39	33	43	35	30	20
1.00	61	49	42	57	46	40	49	42	36	24
1.25	68	56	49	63	53	47	54	47	42	27
1.50	73	62	55	67	58	52	58	51	46	30
2.00	80	70	63	74	66	60	63	57	52	34
2.50	84	76	69	78	71	65	66	61	57	36
3.00	88	80	74	81	74	69	69	64	60	37
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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

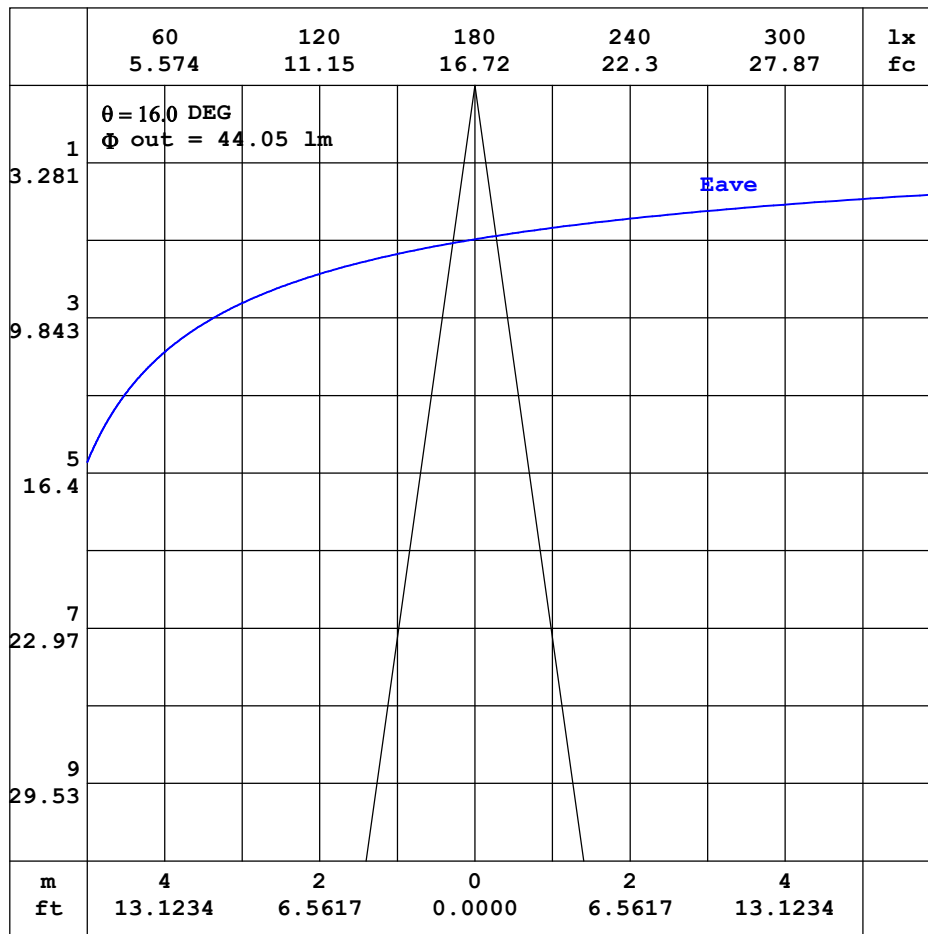


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



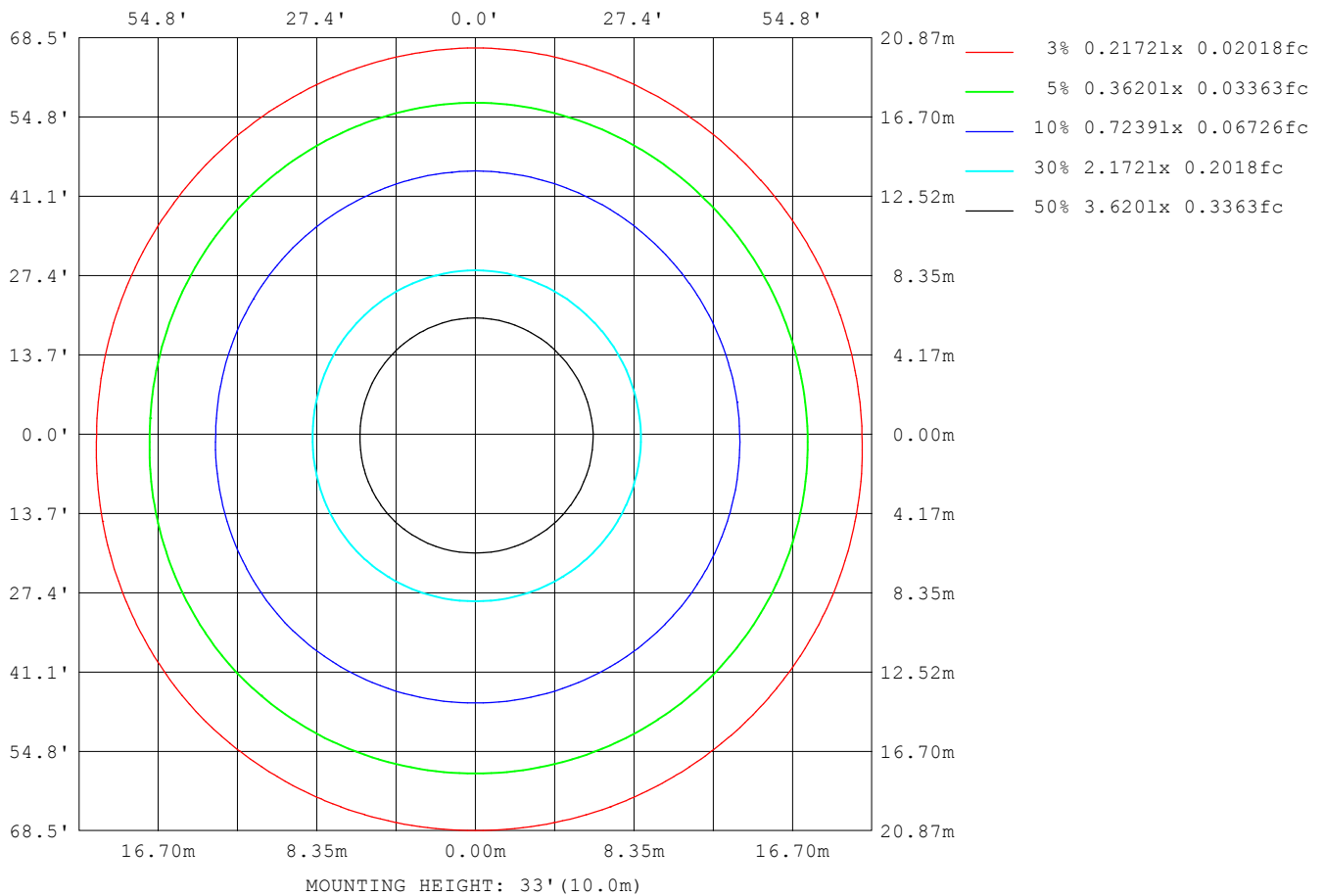
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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:119.0V I:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 lm		
NAME: 4FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

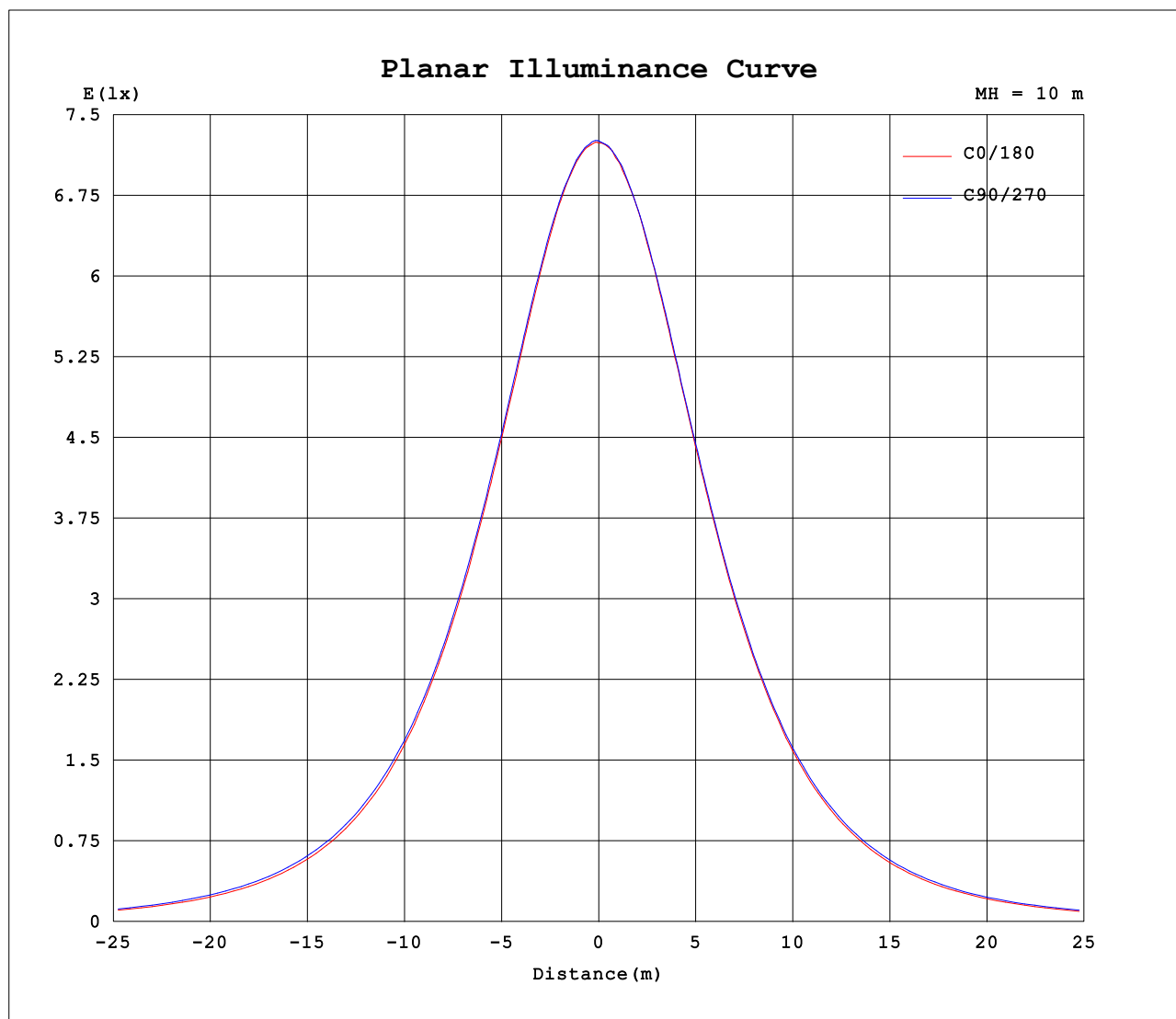
AvgL	cd/m2
L_0~180 (65) av	6501
L_0~180 (75) av	5373
L_0~180 (85) av	2147
L_90~270 (65) av	7052
L_90~270 (75) av	6384
L_90~270 (85) av	5028
L_45 (65) av	6823
L_45 (75) av	5908
L_45 (85) av	3417

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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	724	724	724	724	724	724	725	725	725	725	725	725	725	725	725	726	726	726	726
5	722	722	722	722	723	723	723	723	723	723	723	723	723	723	723	723	724	724	724
10	712	712	713	713	713	714	714	714	714	714	714	714	714	714	714	714	714	714	714
15	695	695	696	696	697	697	698	698	698	699	699	699	699	699	699	699	699	699	699
20	670	670	671	672	672	673	673	674	674	675	675	675	675	675	675	675	675	675	675
25	640	641	641	642	643	644	644	645	645	646	646	646	646	646	646	646	645	645	645
30	603	605	606	607	608	608	609	610	610	611	611	611	611	611	611	611	610	610	610
35	563	564	565	566	567	568	569	569	570	570	571	571	571	571	571	571	571	570	570
40	517	519	520	521	522	524	524	525	526	527	527	527	527	527	527	527	527	527	526
45	466	468	470	471	473	474	475	476	477	478	478	478	478	478	478	478	478	478	478
50	412	415	417	419	421	423	424	425	426	427	428	428	428	428	428	428	428	427	427
55	357	359	362	364	366	368	369	371	372	373	374	374	374	375	375	375	374	374	374
60	299	301	304	306	308	310	312	313	314	316	316	317	318	318	318	319	319	318	318
65	240	243	245	248	250	252	254	255	257	258	259	260	261	261	262	262	262	262	262
70	182	185	187	190	192	194	196	197	199	200	202	203	203	204	205	205	205	206	206
75	126	128	131	133	135	137	139	140	142	143	145	146	147	149	149	150	151	151	151
80	72.3	74.4	76.4	78.3	80.2	82.0	83.7	85.3	86.8	88.3	90.0	91.6	93.1	94.4	95.6	96.6	97.4	97.9	98.3
85	22.0	23.9	25.7	27.5	29.3	30.9	32.6	34.2	35.7	37.2	38.9	40.6	42.2	43.7	45.0	46.1	47.0	47.7	48.1
90	3.05	3.35	3.62	3.87	4.09	4.29	4.46	4.60	4.72	4.81	4.84	4.84	4.82	4.79	4.74	4.68	4.62	4.55	4.48
95	30.0	31.6	32.9	33.8	34.4	34.6	34.5	34.1	33.3	32.2	29.7	27.0	24.1	21.0	18.0	14.9	11.9	9.12	6.56
100	106	110	113	115	116	116	115	113	111	107	98.8	89.9	80.6	71.2	61.9	53.0	44.7	37.5	31.4
105	184	189	193	195	196	196	194	191	187	181	169	155	141	127	113	99.7	87.7	77.3	68.9
110	265	272	278	282	283	283	282	278	272	265	248	230	211	191	173	155	139	125	114
115	364	370	374	376	376	373	369	363	355	345	324	302	279	256	234	213	195	178	166
120	482	481	479	476	470	463	455	444	432	418	394	368	342	317	293	270	250	233	220
125	579	574	568	560	551	540	528	515	500	484	457	430	402	375	350	327	306	289	275
130	652	644	634	624	612	599	585	570	554	537	509	482	454	428	402	380	359	343	330
135	700	689	677	664	651	637	622	607	590	573	548	522	496	472	449	428	410	395	384
140	721	709	696	683	669	655	641	626	611	595	573	551	529	508	488	471	456	444	435
145	726	713	701	688	675	662	649	636	622	609	590	572	554	537	521	507	496	486	479
150	713	702	691	680	669	658	648	637	626	615	601	587	574	561	550	539	531	524	519
155	691	683	675	667	659	651	643	635	627	619	609	600	591	582	574	567	561	556	553
160	668	662	655	649	643	638	632	627	622	617	611	605	600	596	591	588	585	582	581
165	643	639	636	633	630	627	624	622	619	617	615	612	610	609	607	606	605	604	603
170	628	627	626	625	624	623	622	621	620	620	620	619	619	619	619	619	619	619	619
175	632	631	631	631	631	630	630	630	630	630	630	629	629	629	629	629	629	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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	726	726	726	726	726	726	726	726	726	726	725	725	725	725	725	724	724	724	724
5	724	724	724	724	724	724	724	724	724	723	723	722	722	721	720	720	719	718	718
10	714	714	714	714	714	714	714	714	714	713	712	711	711	710	709	708	708	707	707
15	699	699	699	699	699	698	698	698	697	696	695	694	693	691	690	689	688	687	687
20	675	675	675	676	676	676	675	675	675	673	672	670	668	667	665	663	662	660	660
25	645	646	646	646	646	646	646	645	645	643	641	639	637	635	633	631	630	628	627
30	610	610	610	610	610	610	610	609	609	607	605	603	601	599	596	594	592	591	590
35	570	571	571	571	571	570	570	570	569	567	564	562	559	557	554	552	550	547	546
40	527	527	527	527	527	526	526	525	524	522	520	517	514	512	509	506	504	502	501
45	478	478	479	479	479	479	478	477	477	474	471	468	464	461	458	455	452	449	448
50	427	427	428	428	428	427	427	426	425	422	418	415	411	407	404	400	397	394	394
55	374	374	374	374	374	374	373	372	371	367	364	360	356	352	348	344	341	338	337
60	319	319	319	318	318	317	316	315	314	310	306	302	298	294	290	287	283	280	279
65	262	262	262	262	261	260	259	258	256	252	249	245	240	236	232	229	225	222	221
70	206	206	205	205	204	203	202	201	199	195	191	187	183	179	175	171	168	165	164
75	151	151	150	149	148	147	145	144	141	138	134	130	126	122	118	114	111	108	107
80	98.0	97.6	96.8	95.8	94.5	93.0	91.2	89.2	86.9	83.3	79.5	75.6	71.7	67.9	64.2	60.7	57.6	54.9	54.3
85	47.7	47.1	46.1	44.9	43.5	41.8	40.0	37.9	35.7	32.6	29.5	26.3	23.1	20.0	17.0	14.3	11.7	9.48	8.79
90	4.52	4.56	4.59	4.61	4.61	4.59	4.55	4.48	4.37	3.99	3.58	3.16	2.74	2.32	1.93	1.57	1.26	1.01	1.19
95	5.82	5.35	5.12	5.09	5.23	5.48	5.82	6.20	6.58	5.81	5.05	4.35	3.74	3.28	3.02	2.99	3.24	3.81	6.66
100	34.1	38.0	42.8	48.4	54.3	60.3	66.2	71.7	76.5	73.5	69.9	65.7	61.3	56.8	52.6	48.8	45.7	43.5	49.5
105	74.0	81.2	89.9	99.7	110	121	132	142	151	150	148	145	141	137	133	129	126	123	130
110	121	131	144	158	173	188	203	218	232	232	230	228	224	220	216	212	208	205	211
115	175	188	203	220	239	258	278	296	313	315	315	313	310	307	303	299	294	291	296
120	230	244	261	280	301	323	345	367	388	394	398	400	402	402	401	400	398	396	400
125	286	301	319	339	362	386	410	434	457	467	476	483	488	493	496	497	498	498	499
130	341	355	374	394	417	441	466	491	514	528	539	550	559	566	571	575	578	579	577
135	394	407	424	443	464	487	510	533	556	571	584	596	607	616	623	629	633	634	631
140	443	454	468	485	503	522	543	563	583	598	612	625	636	646	655	661	666	669	664
145	485	494	505	519	533	549	565	582	599	614	627	640	652	662	671	678	684	687	681
150	523	529	537	546	556	568	580	593	606	618	630	641	652	661	669	676	681	685	679
155	555	559	564	570	577	584	592	601	610	619	627	636	644	651	658	663	667	670	666
160	582	584	587	591	595	599	604	608	613	619	624	629	634	638	642	645	647	649	646
165	604	605	606	607	609	610	612	614	616	619	622	624	627	629	631	633	635	636	634
170	619	619	619	619	619	619	619	620	620	621	622	623	623	624	625	626	626	627	626
175	629	629	628	628	628	628	627	627	627	627	627	627	627	627	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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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	724	724	724	724	724	725	725	725	725	725	725	725	725	726	726	726	726	726	726
5	718	718	719	719	719	719	719	720	720	720	720	720	720	720	720	720	720	720	720
10	706	706	706	706	706	706	706	706	706	707	707	707	707	707	707	707	707	707	707
15	686	686	686	685	685	685	685	686	686	686	687	687	687	688	688	689	689	689	689
20	659	659	659	659	659	659	659	660	660	661	661	661	662	662	663	663	664	663	663
25	627	626	626	626	626	626	626	627	627	628	628	629	629	630	630	631	631	631	631
30	589	588	588	588	587	587	588	588	589	589	590	591	592	593	593	594	595	594	594
35	546	545	545	545	545	545	545	546	546	547	548	549	550	550	551	552	553	552	552
40	500	499	499	499	499	499	500	500	501	502	502	503	504	505	506	506	507	507	506
45	448	447	447	448	448	449	450	450	451	452	453	453	454	455	456	456	457	456	456
50	393	393	394	394	395	396	397	398	399	400	401	402	403	403	404	405	405	405	404
55	337	337	337	337	338	339	340	342	343	344	345	346	348	349	350	351	351	351	350
60	279	279	279	280	281	282	283	285	286	288	289	290	292	293	294	295	296	295	294
65	221	221	221	222	223	224	225	227	228	230	232	233	235	236	237	238	239	238	237
70	164	164	164	165	166	167	168	169	171	173	175	176	178	179	181	182	183	182	181
75	107	107	108	108	109	111	112	114	115	117	119	121	122	124	125	126	127	126	125
80	54.1	54.3	54.9	55.8	56.9	58.3	59.8	61.4	63.1	64.9	66.6	68.3	69.9	71.4	72.7	73.8	74.6	73.8	72.6
85	8.45	8.42	8.66	9.17	9.89	10.8	11.9	13.1	14.7	16.3	17.9	19.5	21.0	22.5	23.7	24.8	25.6	24.7	23.6
90	1.43	1.71	2.02	2.34	2.67	2.98	3.26	3.50	3.31	3.07	2.80	2.52	2.24	1.96	1.72	1.51	1.36	1.64	1.99
95	9.77	13.1	16.4	19.8	23.1	26.1	28.8	31.1	29.9	28.4	26.6	24.6	22.7	21.0	19.5	18.4	17.9	22.0	26.6
100	56.3	63.7	71.4	79.1	86.5	93.4	99.4	104	99.4	93.5	86.8	79.7	72.6	65.8	59.6	54.4	50.5	57.2	65.3
105	136	144	151	158	165	171	175	178	169	159	148	136	125	114	104	96.4	90.4	99.9	111
110	218	225	232	239	245	250	254	255	242	227	212	196	181	166	153	143	135	147	162
115	302	308	314	320	324	327	329	328	312	294	275	256	237	220	205	192	183	197	215
120	403	406	408	409	408	407	404	399	379	358	336	315	294	275	258	245	235	249	268
125	498	497	495	491	486	479	471	461	439	416	393	370	348	328	311	297	288	302	320
130	574	569	563	556	546	536	524	511	488	465	441	419	397	378	362	348	339	353	370
135	626	618	610	599	588	575	561	546	524	502	481	460	441	424	409	397	390	401	416
140	657	649	638	626	613	599	584	569	550	531	512	495	478	464	452	442	436	446	458
145	673	664	653	640	627	612	597	582	567	551	536	523	510	499	490	483	479	486	496
150	672	662	652	641	628	615	602	589	578	567	556	546	538	531	525	520	518	523	530
155	660	653	645	637	628	618	608	599	591	583	577	570	565	560	556	554	552	555	560
160	642	638	633	627	621	616	610	604	600	596	592	589	586	584	582	581	580	582	583
165	632	630	627	624	621	618	615	612	610	608	607	606	605	604	603	603	603	603	604
170	625	624	623	622	621	620	619	618	618	618	618	618	618	619	619	619	620	620	620
175	627	627	627	628	628	628	628	628	628	628	628	628	628	629	629	629	629	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:0.2460A P:29.00W PF:0.9800 Freq:60.00Hz Lamp Flux:4176.89x1 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

γ (DEG)	C (DEG)																			
	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355					
0	726	726	726	726	726	726	726	726	726	725	725	725	725	725	724					
5	720	720	720	720	720	720	720	720	721	721	721	721	721	722	722					
10	708	708	708	708	708	708	708	709	709	709	710	710	711	711	712					
15	688	688	688	688	687	687	687	688	688	689	689	690	691	692	693					
20	663	663	662	662	662	662	662	662	663	663	664	665	666	667	668					
25	630	630	629	629	629	629	629	629	630	631	632	633	634	636	638					
30	593	592	592	591	591	591	590	591	592	593	594	595	597	599	601					
35	551	551	550	549	549	549	549	549	550	551	553	554	556	558	560					
40	506	505	504	504	503	503	503	504	505	506	507	509	510	512	515					
45	456	455	455	454	454	454	454	454	455	456	457	459	460	462	464					
50	404	403	402	402	401	401	401	401	402	403	404	405	407	408	410					
55	349	348	347	347	346	345	345	345	346	347	348	349	351	352	354					
60	293	292	291	290	289	288	288	288	288	289	290	291	293	295	296					
65	236	235	234	232	231	230	229	229	230	230	231	233	234	236	238					
70	180	178	177	175	174	173	172	172	172	173	174	175	176	178	180					
75	123	122	121	119	118	117	116	116	116	117	118	119	120	122	124					
80	71.3	69.9	68.4	66.9	65.5	64.2	63.1	63.1	63.4	63.9	64.7	65.7	66.9	68.5	70.2					
85	22.3	20.9	19.5	18.0	16.6	15.3	14.2	14.1	14.3	14.7	15.3	16.2	17.3	18.6	20.2					
90	2.37	2.77	3.19	3.60	3.99	4.36	4.67	4.73	4.74	4.68	4.56	4.38	4.14	3.84	3.47					
95	31.6	36.7	41.8	46.7	51.3	55.4	58.7	59.0	58.4	56.9	54.6	51.4	47.3	42.4	36.6					
100	74.3	84.0	94.1	104	114	123	131	134	135	135	133	130	126	121	114					
105	125	139	154	169	184	197	210	214	217	218	216	214	209	203	194					
110	180	199	219	239	258	277	294	300	304	305	304	301	295	287	277					
115	235	257	280	304	327	350	371	380	386	390	392	391	388	382	374					
120	289	313	338	365	391	417	441	454	465	473	480	484	487	487	485					
125	342	366	392	420	448	475	502	517	531	543	553	562	569	574	577					
130	391	414	440	466	494	522	548	565	581	595	608	619	629	638	646					
135	435	456	479	503	528	554	579	596	612	627	641	654	667	679	690					
140	473	491	510	530	552	574	596	612	627	642	656	670	683	696	709					
145	508	522	537	553	571	588	607	620	634	647	661	674	687	700	713					
150	539	549	560	572	585	598	612	623	634	645	656	667	678	690	701					
155	565	572	579	587	595	604	613	621	629	638	646	655	663	672	682					
160	586	589	592	596	601	606	611	616	621	627	633	639	646	653	660					
165	604	605	606	608	609	611	613	615	618	621	624	627	631	634	638					
170	620	620	621	621	621	622	622	623	623	624	624	625	626	627	627					
175	629	629	630	630	630	630	630	631	631	631	631	631	631	631	632					
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: