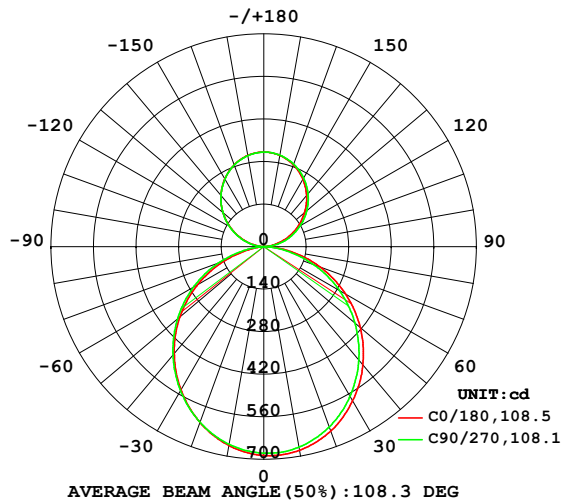


LUMINAIRE PHOTOMETRIC TEST REPORT

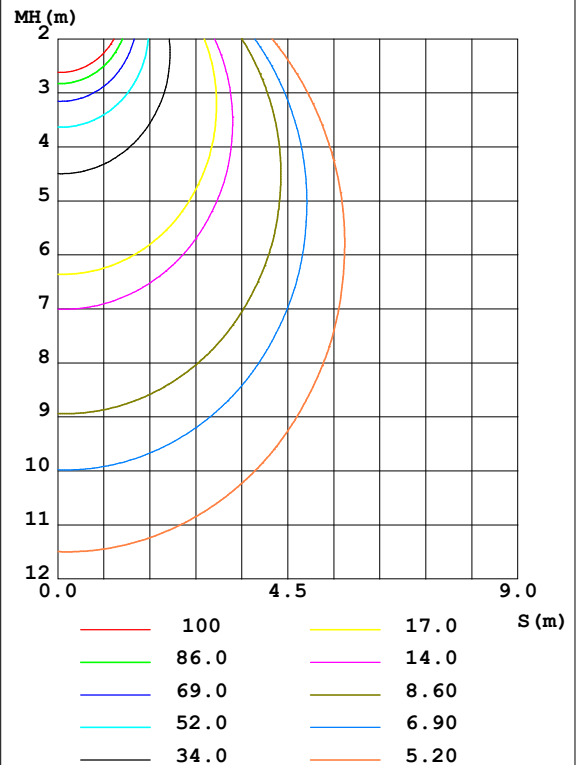
Test:U:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.53 lm/W			
MODEL		I _{max} (cd)	688.1	S/MH(C0/180)	1.27
NOMINAL POWER(W)	25W	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2710.1	η UP,DN(C0-180)	16.1,35.1
NOMINAL FLUX(lm)	2710.11	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.8,33.0
LAMPS INSIDE	1	η up(%)	31.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	68.1	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:

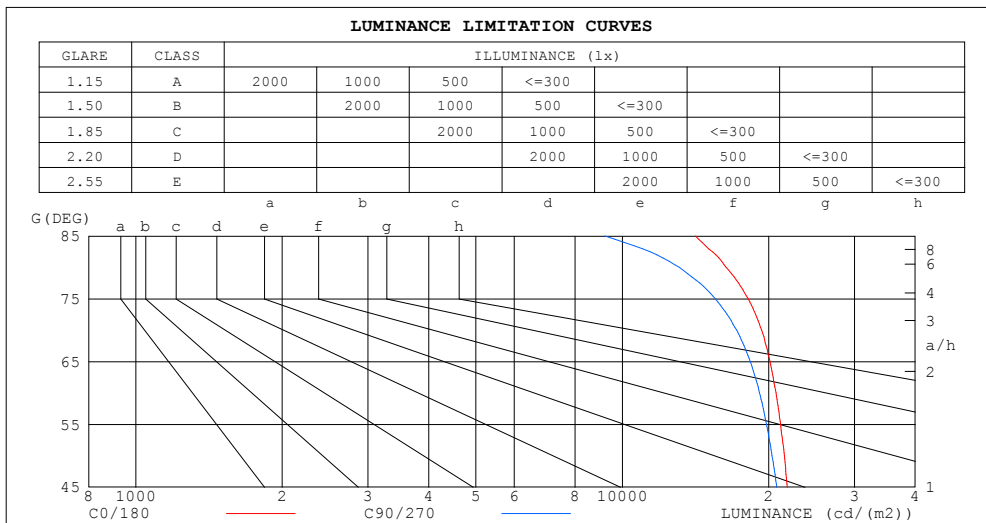
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	680.1	677.3	669.9	665.3	664.3	659.0	660.3	662.5	0- 10	64.37	64.37	2.38,2.38
20	645.5	642.1	631.0	623.7	615.2	609.7	615.0	620.3	10- 20	183.1	247.4	9.13,9.13
30	585.2	582.9	568.2	559.6	544.7	539.8	547.8	555.7	20- 30	274.1	521.5	19.2,19.2
40	507.5	504.5	487.0	478.2	458.7	455.0	464.9	474.7	30- 40	325.9	847.4	31.3,31.3
50	415.3	412.5	391.8	384.3	361.1	359.2	370.8	382.1	40- 50	333.6	1181	43.6,43.6
60	310.4	309.8	287.2	280.0	252.3	253.9	267.8	279.8	50- 60	297.6	1479	54.6,54.6
70	198.4	197.8	176.4	168.3	136.9	142.4	159.6	169.1	60- 70	222.1	1701	62.8,62.8
80	85.22	84.17	68.25	59.27	33.17	39.29	54.26	61.77	70- 80	118.9	1820	67.1,67.1
90	5.285	6.469	0.9985	2.462	1.082	1.906	1.016	2.146	80- 90	26.10	1846	68.1,68.1
100	27.82	33.85	42.56	39.14	25.71	34.86	33.86	31.56	90-100	14.37	1860	68.6,68.6
110	78.59	81.49	90.60	86.76	77.41	82.83	80.74	78.44	100-110	61.10	1921	70.9,70.9
120	127.9	129.7	138.0	135.2	127.1	131.5	128.9	126.8	110-120	105.3	2027	74.8,74.8
130	175.8	176.7	185.3	181.9	176.2	180.3	176.1	175.7	120-130	138.5	2165	79.9,79.9
140	219.9	219.7	226.6	224.5	219.7	223.4	219.7	219.3	130-140	154.7	2320	85.6,85.6
150	257.7	257.0	262.0	260.7	257.3	260.1	256.9	256.8	140-150	150.7	2471	91.2,91.2
160	286.7	285.9	289.2	288.6	286.6	288.1	285.9	285.9	150-160	126.2	2597	95.8,95.8
170	305.3	304.5	305.9	306.1	305.0	305.6	304.4	304.8	160-170	83.92	2681	98.9,98.9
180	310.7	310.7	310.7	310.7	310.7	310.7	310.7	310.7	170-180	29.43	2710	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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14128	9209
80	16359	13101
75	18140	15540
70	19338	17189
65	20113	18324
60	20696	19149
55	21148	19787
50	21537	20318
45	21823	20766

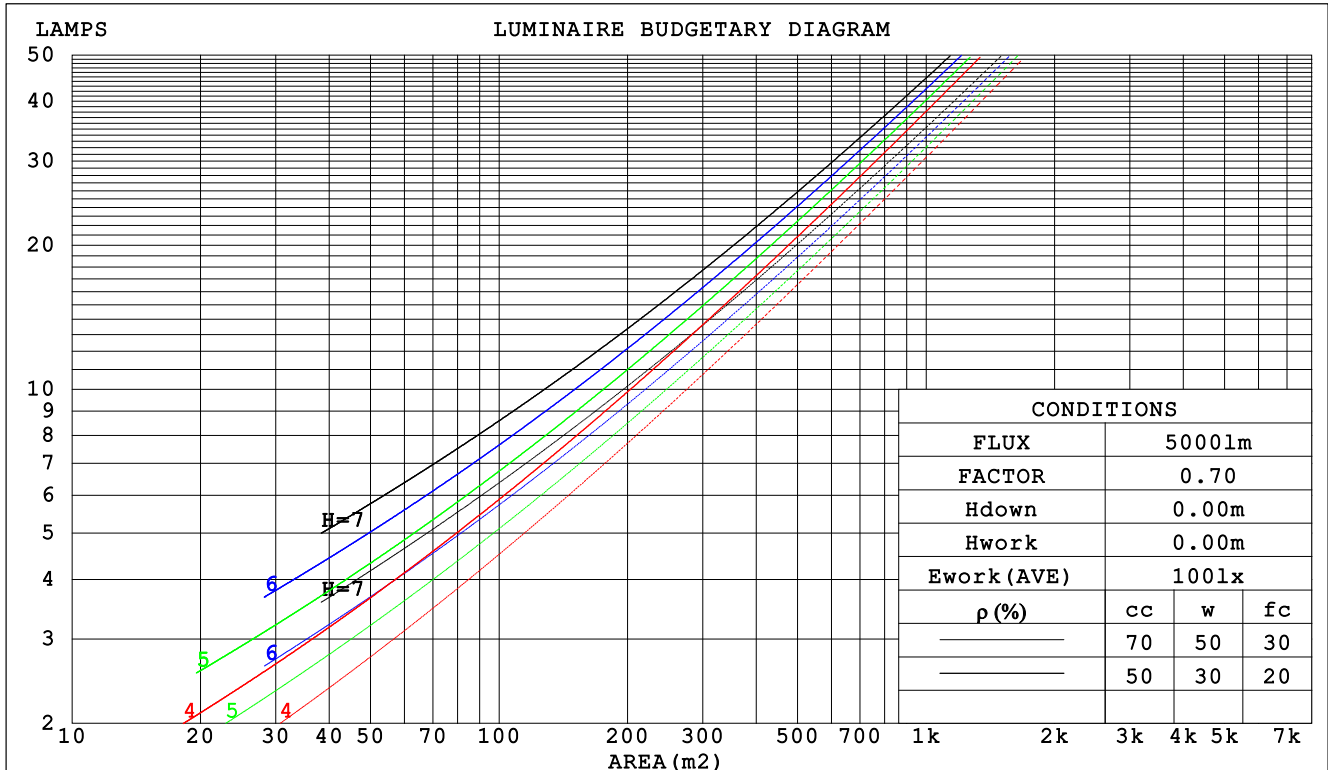
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.83	.83	.83	.73	.73	.73	.68
1.0	.97	.93	.90	.92	.89	.85	.82	.79	.77	.73	.71	.69	.64	.63	.62	.57
2.0	.85	.79	.73	.80	.75	.70	.72	.67	.64	.64	.60	.58	.57	.54	.52	.48
3.0	.75	.67	.61	.71	.64	.58	.63	.58	.53	.56	.52	.49	.50	.47	.44	.40
4.0	.66	.58	.52	.63	.55	.50	.56	.50	.45	.50	.45	.42	.45	.41	.38	.35
5.0	.59	.50	.44	.56	.48	.43	.50	.44	.39	.45	.40	.36	.40	.36	.33	.30
6.0	.53	.45	.38	.50	.43	.37	.45	.39	.34	.41	.36	.32	.36	.32	.29	.26
7.0	.48	.40	.34	.46	.38	.33	.41	.35	.30	.37	.32	.28	.33	.29	.26	.23
8.0	.44	.35	.30	.41	.34	.29	.38	.31	.27	.34	.29	.25	.30	.26	.23	.21
9.0	.40	.32	.27	.38	.31	.26	.34	.28	.24	.31	.26	.22	.28	.24	.21	.19
10.0	.37	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.26	.22	.19	.17



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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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	.287	.163	.052	.270	.154	.049	.239	.137	.044	.210	.121	.039	.184	.107	.034		
2.0	.270	.148	.045	.255	.140	.043	.227	.126	.039	.200	.112	.035	.176	.100	.031		
3.0	.250	.133	.040	.237	.127	.038	.211	.114	.035	.187	.103	.031	.165	.091	.028		
4.0	.232	.120	.035	.219	.115	.034	.196	.104	.031	.174	.093	.028	.154	.084	.025		
5.0	.215	.110	.032	.204	.104	.030	.182	.095	.028	.162	.085	.025	.143	.077	.023		
6.0	.200	.100	.029	.189	.096	.028	.170	.087	.025	.151	.079	.023	.134	.070	.021		
7.0	.186	.092	.026	.177	.088	.025	.158	.080	.023	.141	.072	.021	.125	.065	.019		
8.0	.174	.085	.024	.165	.081	.023	.149	.074	.021	.133	.067	.019	.118	.060	.018		
9.0	.164	.079	.022	.155	.076	.021	.140	.069	.020	.125	.063	.018	.111	.056	.016		
10.0	.154	.074	.020	.146	.071	.020	.132	.065	.018	.118	.059	.017	.105	.053	.015		

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	.433	.433	.433	.370	.370	.370	.253	.253	.253	.145	.145	.145	.046	.046	.046	
1.0	.424	.401	.381	.363	.344	.328	.248	.237	.227	.143	.137	.132	.046	.044	.043	
2.0	.416	.379	.347	.356	.326	.300	.244	.225	.209	.141	.131	.123	.045	.042	.040	
3.0	.409	.362	.325	.350	.312	.282	.241	.217	.198	.139	.127	.117	.045	.041	.038	
4.0	.402	.350	.310	.345	.302	.269	.237	.211	.190	.137	.123	.112	.044	.040	.037	
5.0	.395	.340	.299	.339	.294	.260	.234	.205	.184	.135	.121	.109	.044	.039	.036	
6.0	.388	.332	.292	.334	.288	.254	.230	.201	.180	.134	.118	.107	.043	.039	.035	
7.0	.382	.326	.286	.329	.282	.249	.227	.198	.177	.132	.117	.105	.043	.038	.035	
8.0	.376	.320	.282	.324	.278	.246	.224	.195	.174	.130	.115	.104	.042	.038	.034	
9.0	.370	.316	.279	.319	.274	.243	.221	.193	.173	.129	.114	.103	.042	.037	.034	
10.0	.365	.312	.276	.315	.271	.241	.218	.190	.171	.127	.113	.102	.041	.037	.034	

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm										
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K					TYPE:30K			WEIGHT:		
SPEC.:					DIM.: 2FT			SERIAL No.:		
MFR.: WS					SUR.:0.6*0.05			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	21.9	23.0	22.6	23.7	24.5	21.6	22.7	22.3	23.4	24.2
3H	23.4	24.4	24.1	25.1	26.0	23.0	24.0	23.7	24.7	25.5
4H	24.0	25.0	24.8	25.7	26.5	23.5	24.5	24.2	25.2	26.0
6H	24.5	25.3	25.2	26.1	26.9	23.8	24.7	24.6	25.4	26.3
8H	24.6	25.4	25.3	26.2	27.1	23.9	24.8	24.7	25.5	26.4
12H	24.6	25.4	25.4	26.2	27.1	23.9	24.7	24.7	25.5	26.4
4H 2H	22.4	23.4	23.1	24.1	24.9	22.2	23.1	22.9	23.8	24.7
3H	24.1	24.9	24.9	25.7	26.6	23.8	24.6	24.5	25.3	26.2
4H	24.8	25.6	25.6	26.3	27.3	24.4	25.1	25.2	25.9	26.8
6H	25.4	26.0	26.2	26.8	27.8	24.8	25.4	25.6	26.2	27.2
8H	25.5	26.1	26.4	26.9	27.9	24.9	25.5	25.7	26.3	27.3
12H	25.6	26.2	26.5	27.0	28.0	25.0	25.5	25.8	26.3	27.3
8H 4H	25.0	25.6	25.8	26.4	27.4	24.6	25.2	25.4	26.0	27.0
6H	25.7	26.2	26.5	27.0	28.0	25.2	25.7	26.0	26.5	27.5
8H	25.9	26.4	26.8	27.2	28.3	25.4	25.8	26.2	26.6	27.7
12H	26.1	26.5	27.0	27.3	28.4	25.5	25.8	26.3	26.7	27.8
12H 4H	25.0	25.5	25.8	26.3	27.3	24.6	25.1	25.4	26.0	27.0
6H	25.7	26.1	26.6	27.0	28.0	25.2	25.6	26.1	26.5	27.5
8H	26.0	26.4	26.9	27.2	28.3	25.4	25.8	26.3	26.7	27.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2710 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.5)

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

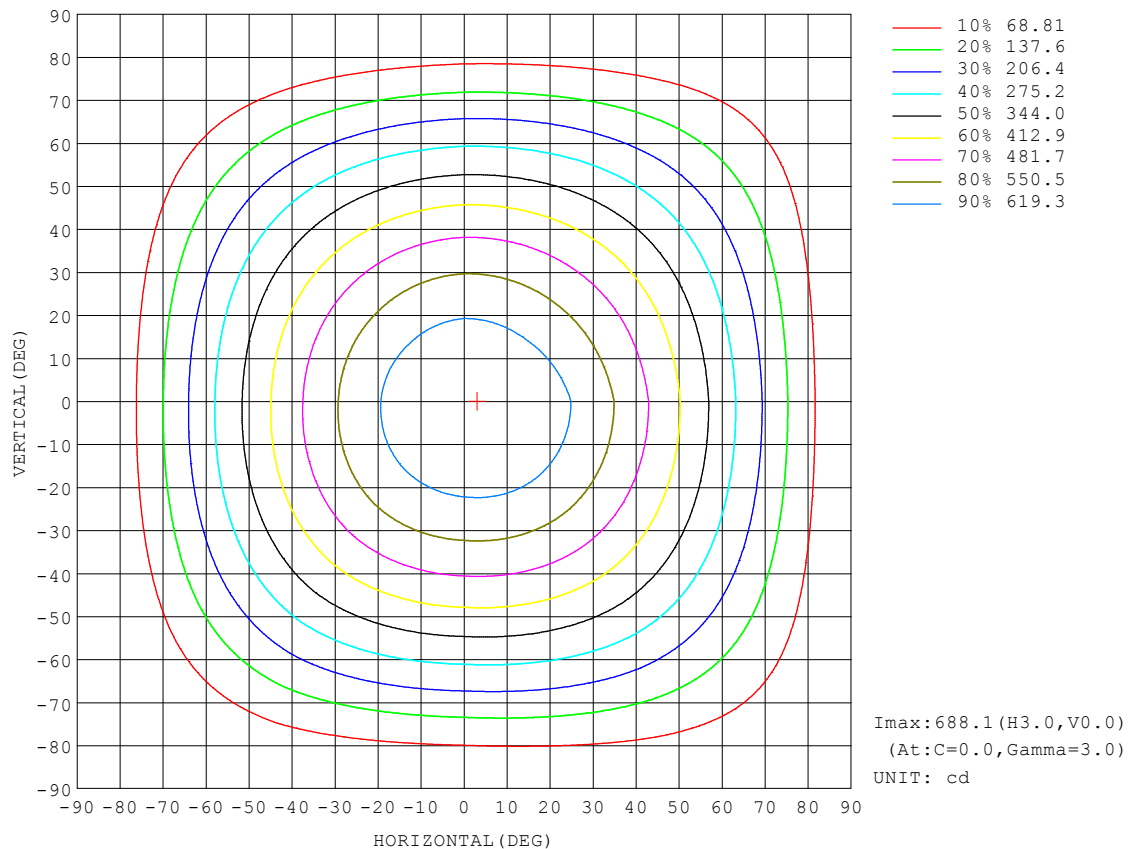
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	38	32	47	37	31	44	35	30	23
0.80	59	48	40	57	46	39	52	43	38	29
1.00	67	56	49	64	54	47	59	52	45	35
1.25	74	63	56	71	61	54	64	57	51	40
1.50	79	69	62	75	66	60	68	61	56	43
2.00	86	77	70	82	74	68	74	68	63	48
2.50	90	82	76	86	78	73	77	71	67	51
3.00	94	86	81	89	82	77	80	75	71	54
4.00	98	92	87	93	87	83	83	79	76	57
5.00	100	95	91	95	91	87	85	82	79	59
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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

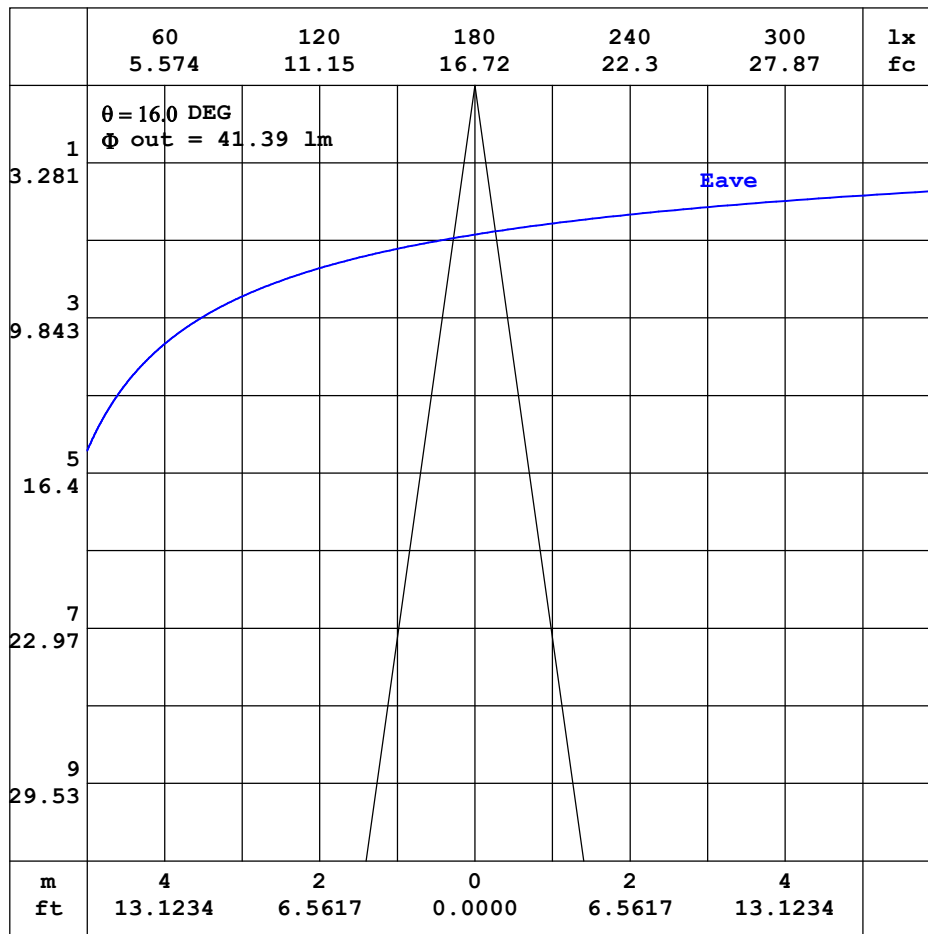


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:



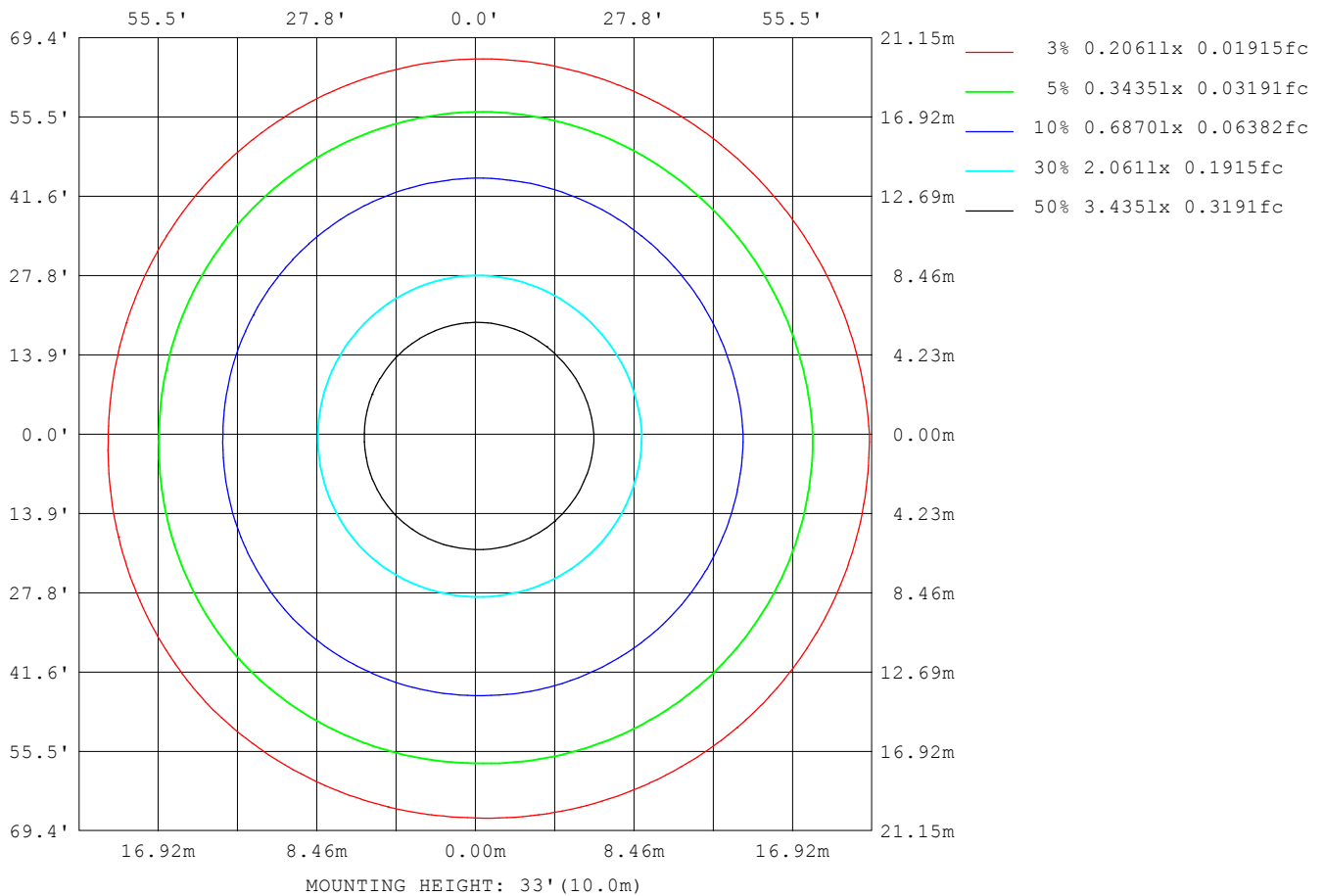
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

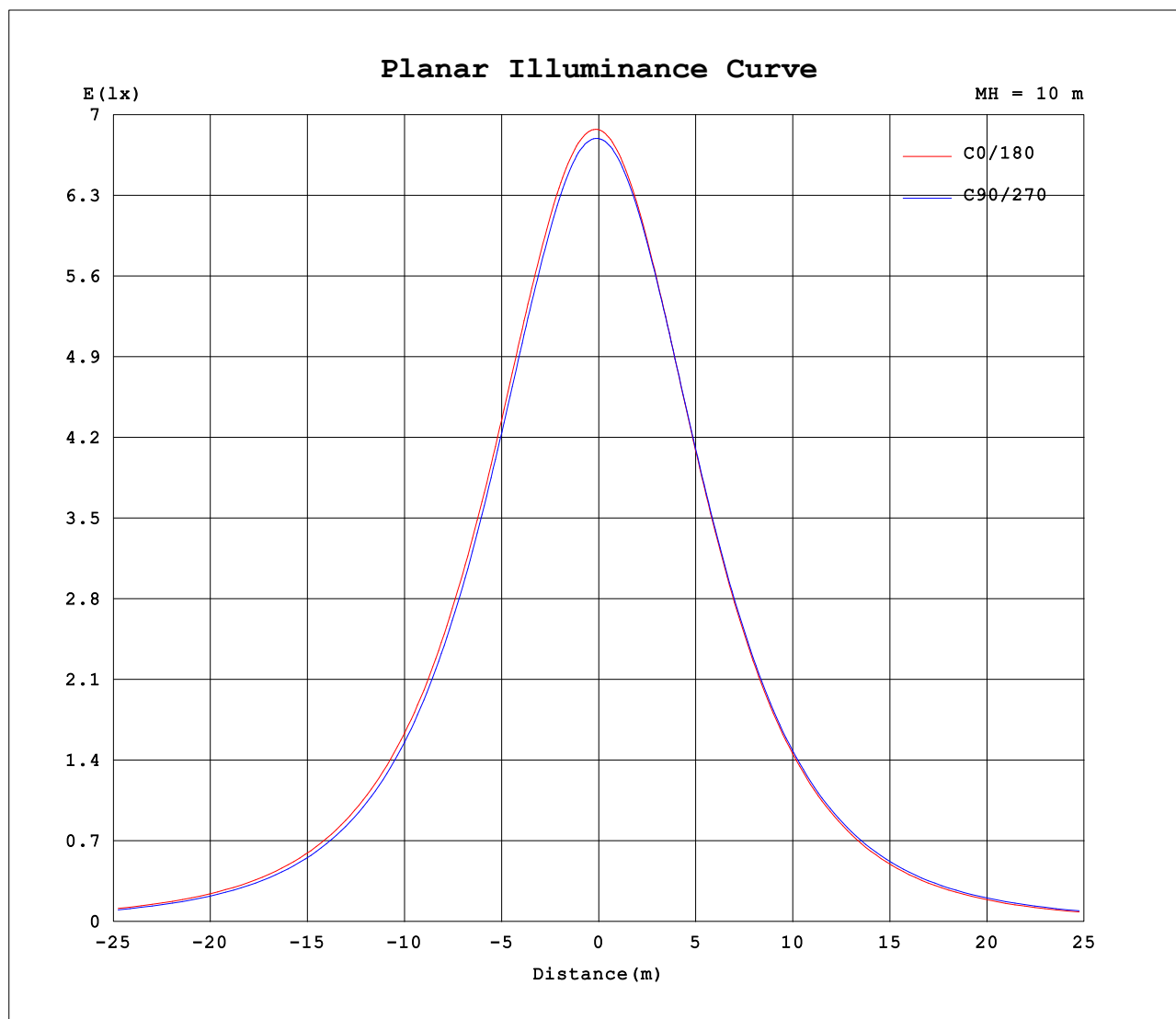
AvgL	cd/m2
L_0~180 (65) av	17789
L_0~180 (75) av	14314
L_0~180 (85) av	7817
L_90~270 (65) av	17599
L_90~270 (75) av	14453
L_90~270 (85) av	7453
L_45 (65) av	17805
L_45 (75) av	14560
L_45 (85) av	7802

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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	687	686	686	685	684	684	683	683	682	682	682	681	681	681	680	680	680	680	679
5	687	687	686	686	686	685	685	684	684	683	683	682	682	681	681	680	680	679	679
10	680	680	680	680	679	679	679	678	678	677	677	676	675	674	673	672	672	671	670
15	666	666	666	666	665	665	665	664	664	663	662	661	660	659	658	657	656	654	653
20	645	645	645	645	645	645	644	644	643	642	641	640	639	637	636	635	634	632	631
25	618	618	618	618	618	618	617	617	616	615	614	613	611	610	608	607	605	604	603
30	585	586	586	586	586	585	585	584	584	583	582	580	578	577	575	573	572	570	568
35	550	550	550	550	549	549	548	548	547	546	544	542	541	539	537	535	533	531	529
40	507	508	508	508	508	508	507	506	506	504	503	501	499	497	495	493	491	489	487
45	463	463	464	464	464	464	463	462	461	460	458	456	454	452	450	447	445	443	441
50	415	416	416	416	416	416	415	415	414	412	410	408	406	404	401	399	396	394	392
55	364	365	365	366	366	366	365	364	364	362	360	358	356	353	350	348	345	343	340
60	310	311	312	313	313	313	312	312	311	310	308	305	303	300	298	295	292	290	287
65	255	256	257	257	258	258	257	257	256	255	253	250	248	245	243	240	237	235	232
70	198	199	200	201	201	201	200	200	199	198	196	194	191	189	186	184	181	179	176
75	141	142	142	142	143	142	142	141	141	140	138	136	134	132	130	127	125	123	121
80	85.2	85.8	86.3	86.5	86.6	86.5	86.2	85.7	85.0	84.2	82.7	81.1	79.4	77.6	75.8	73.9	72.0	70.1	68.3
85	36.9	37.5	38.0	38.3	38.4	38.4	38.2	37.9	37.4	36.8	35.6	34.3	32.9	31.5	30.0	28.5	27.0	25.5	24.1
90	5.28	5.75	6.12	6.42	6.63	6.76	6.81	6.78	6.67	6.47	5.94	5.35	4.71	4.05	3.38	2.72	2.09	1.51	1.00
95	8.99	9.39	9.74	10.0	10.3	10.5	10.7	10.8	10.9	10.9	10.6	10.4	10.1	9.82	9.56	9.32	9.13	9.00	8.95
100	27.8	28.4	28.9	29.5	30.2	30.8	31.5	32.3	33.0	33.9	35.0	36.1	37.2	38.3	39.3	40.3	41.2	41.9	42.6
105	53.3	53.5	53.8	54.2	54.6	55.1	55.6	56.2	56.9	57.7	58.8	60.0	61.1	62.3	63.4	64.5	65.5	66.3	67.0
110	78.6	78.6	78.7	78.9	79.1	79.4	79.8	80.3	80.9	81.5	82.5	83.7	84.8	85.9	87.0	88.1	89.0	89.9	90.6
115	104	104	104	104	104	104	104	105	105	106	107	108	109	110	111	112	113	114	114
120	128	128	128	128	128	128	128	129	129	130	131	132	133	134	135	136	137	137	138
125	152	152	152	152	152	152	152	153	153	154	155	156	157	158	159	160	161	162	163
130	176	175	175	175	175	175	176	176	176	177	178	179	180	181	182	183	184	185	185
135	199	198	198	198	198	198	198	198	198	199	200	201	201	202	203	204	205	206	207
140	220	220	219	219	219	219	219	219	219	220	220	221	222	223	224	225	225	226	227
145	239	239	239	239	239	238	239	239	239	239	240	240	241	242	243	243	244	245	245
150	258	257	257	257	257	257	257	257	257	257	258	258	259	259	260	260	261	262	262
155	273	273	273	273	272	272	272	272	272	272	273	273	274	274	275	275	276	276	277
160	287	286	286	286	286	286	286	286	286	286	287	287	287	287	288	288	288	289	289
165	297	297	297	297	297	296	296	296	296	296	297	297	297	297	298	298	298	299	299
170	305	305	305	305	305	305	304	304	304	304	305	305	305	305	305	305	306	306	306
175	310	310	310	310	310	309	309	309	309	309	309	309	310	310	310	310	310	310	310
180	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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	679	679	678	678	678	678	678	678	678	679	680	681	682	683	684	685	686	687	687
5	678	678	677	677	676	676	675	675	675	675	676	676	677	678	678	679	679	679	679
10	669	669	668	667	667	666	666	666	665	665	665	665	665	665	665	665	664	664	664
15	653	652	651	651	650	649	649	648	648	647	647	646	645	645	644	644	643	643	642
20	630	629	628	628	627	626	625	624	624	623	622	621	620	619	618	617	616	615	614
25	601	601	600	599	598	597	596	595	594	593	591	590	589	587	586	585	584	582	581
30	567	566	565	564	564	563	562	561	560	558	556	555	553	551	549	548	546	545	544
35	528	527	526	526	525	524	523	522	521	519	517	515	513	511	509	507	505	503	502
40	486	485	484	483	482	481	480	479	478	476	474	472	469	467	465	463	461	459	458
45	439	439	438	437	436	435	435	434	433	430	428	426	423	421	418	416	414	412	411
50	391	390	389	389	388	387	386	385	384	382	379	376	374	371	368	366	363	361	360
55	340	339	338	338	337	336	336	335	334	331	328	325	322	318	315	313	310	307	306
60	286	286	285	284	284	283	282	281	280	277	274	271	267	264	261	258	255	252	251
65	231	231	230	229	228	228	227	226	225	221	218	215	211	208	205	202	199	196	195
70	175	175	174	173	173	172	171	170	168	165	161	157	154	150	146	143	140	137	136
75	120	119	118	117	116	115	114	112	111	108	104	100	96.9	93.4	90.0	86.8	83.9	81.4	80.9
80	67.4	66.5	65.7	64.8	63.9	63.0	61.9	60.7	59.3	56.3	53.2	50.0	46.9	43.7	40.7	37.9	35.4	33.2	32.7
85	23.4	22.8	22.2	21.7	21.1	20.6	20.0	19.3	18.5	16.8	15.1	13.3	11.6	9.82	8.15	6.59	5.17	3.94	3.64
90	1.00	1.07	1.20	1.37	1.58	1.81	2.04	2.26	2.46	2.36	2.22	2.07	1.90	1.72	1.55	1.38	1.22	1.08	1.14
95	9.55	10.2	10.9	11.6	12.3	13.0	13.6	14.0	14.4	13.8	13.1	12.4	11.5	10.7	9.79	8.96	8.20	7.54	7.64
100	42.7	42.8	42.7	42.4	42.0	41.5	40.8	40.1	39.1	37.5	35.9	34.2	32.5	30.8	29.3	27.9	26.7	25.7	26.2
105	67.1	67.0	66.8	66.5	66.0	65.4	64.6	63.8	62.9	61.5	60.2	58.8	57.4	56.1	54.8	53.7	52.7	51.9	52.3
110	90.7	90.6	90.4	90.0	89.6	89.0	88.4	87.6	86.8	85.6	84.4	83.3	82.1	80.9	79.9	78.9	78.1	77.4	77.7
115	114	114	114	114	114	113	113	112	111	110	109	108	107	106	105	104	103	102	103
120	138	138	138	138	137	137	136	136	135	134	133	132	131	130	129	128	128	127	127
125	163	163	162	162	162	161	160	160	159	158	157	156	156	155	154	154	153	153	153
130	185	185	185	185	184	184	183	183	182	181	180	180	179	178	178	177	177	176	177
135	207	207	207	206	206	205	205	204	204	203	202	202	201	200	200	199	199	199	199
140	227	227	227	226	226	226	225	225	224	224	223	223	222	221	221	220	220	220	220
145	245	245	245	245	245	245	244	244	244	243	242	242	241	241	240	240	240	239	240
150	262	262	262	262	262	262	261	261	261	260	260	259	259	259	258	258	258	257	258
155	277	277	277	277	277	277	276	276	276	276	275	275	274	274	274	274	273	273	273
160	289	289	289	289	289	289	289	289	289	288	288	288	288	287	287	287	287	287	287
165	299	299	299	299	299	299	299	299	299	299	298	298	298	298	298	298	297	297	297
170	306	306	306	306	306	306	306	306	306	306	306	306	306	305	305	305	305	305	305
175	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310
180	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K	TYPE:30K	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	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	687	686	686	685	684	684	683	682	682	681	681	681	680	680	680	680	679	679	679
5	679	678	677	677	676	675	675	674	674	674	674	674	674	673	673	674	674	673	673
10	663	662	662	661	661	660	659	659	659	659	659	659	659	659	660	660	660	660	660
15	641	641	640	639	639	638	638	637	637	637	638	638	638	639	639	640	641	641	641
20	613	613	612	611	611	610	610	610	610	610	611	611	612	613	613	614	615	615	615
25	580	580	579	578	578	577	577	577	577	578	579	579	580	581	582	583	584	584	584
30	543	542	541	541	540	540	540	540	540	541	542	543	543	544	546	547	548	548	549
35	501	500	500	499	499	499	499	499	500	500	501	502	503	504	505	507	508	508	509
40	457	456	455	455	455	455	455	455	456	456	457	458	460	461	462	464	465	466	466
45	410	409	408	408	408	408	408	408	409	410	411	412	413	415	416	418	419	420	421
50	359	358	358	358	358	358	359	359	360	361	362	363	365	366	368	369	371	372	373
55	306	305	305	305	306	306	307	308	309	310	311	313	314	316	317	319	320	321	322
60	251	250	250	251	251	252	253	254	255	256	258	259	261	263	264	266	268	269	270
65	195	194	194	195	195	196	197	199	200	202	203	205	207	208	210	212	214	215	216
70	136	136	136	137	138	139	141	142	144	146	148	150	152	154	156	158	160	161	161
75	80.7	80.9	81.5	82.3	83.4	84.8	86.3	88.0	89.5	91.2	93.0	94.7	96.6	98.4	100	102	104	105	106
80	32.6	32.8	33.3	34.1	35.1	36.3	37.7	39.3	40.8	42.4	44.1	45.8	47.6	49.3	51.0	52.7	54.3	55.0	55.7
85	3.55	3.64	3.89	4.29	4.82	5.46	6.20	7.01	7.80	8.64	9.51	10.4	11.3	12.2	13.2	14.0	14.9	15.3	15.6
90	1.21	1.31	1.41	1.52	1.63	1.73	1.83	1.91	1.82	1.73	1.62	1.50	1.38	1.27	1.17	1.08	1.02	1.04	1.09
95	7.85	8.16	8.54	8.99	9.49	10.0	10.6	11.1	11.5	11.8	12.1	12.4	12.6	12.8	12.9	13.0	13.0	12.7	12.3
100	26.9	27.9	28.9	30.1	31.3	32.6	33.7	34.9	35.1	35.2	35.2	35.1	35.0	34.8	34.5	34.2	33.9	33.7	33.5
105	52.9	53.6	54.4	55.3	56.2	57.1	58.0	58.9	59.0	59.0	58.9	58.8	58.6	58.3	58.0	57.7	57.4	57.1	56.8
110	78.1	78.7	79.3	80.0	80.8	81.5	82.2	82.8	82.8	82.6	82.4	82.1	81.8	81.5	81.1	80.7	80.4	80.2	
115	103	103	104	105	105	106	107	107	107	107	107	107	106	106	105	105	105	104	104
120	128	128	129	129	130	130	131	132	131	131	131	131	130	130	130	129	129	129	128
125	153	154	155	155	156	156	157	157	157	156	156	156	155	154	154	153	153	153	153
130	177	177	178	178	179	180	180	180	180	180	179	179	178	178	177	177	176	176	176
135	199	200	200	201	201	202	202	203	202	202	202	201	201	200	200	199	199	198	198
140	220	221	221	222	222	223	223	223	223	223	222	222	222	221	221	220	220	220	219
145	240	240	241	241	242	242	242	243	242	242	242	241	241	240	240	240	239	239	239
150	258	258	259	259	259	260	260	260	260	260	259	259	259	258	258	257	257	257	257
155	273	274	274	274	275	275	275	275	275	275	275	274	274	274	273	273	273	273	273
160	287	287	287	287	288	288	288	288	288	288	288	287	287	287	286	286	286	286	286
165	298	298	298	298	298	298	298	298	298	298	298	297	297	297	297	296	296	296	296
170	305	305	305	305	305	306	306	306	306	305	305	305	305	305	305	305	304	304	304
175	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	309	309	309
180	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311

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:120.9V I:0.1980A P:24.30W PF:0.9900 Freq:60.00Hz Lamp Flux:2710.11x1 lm																	
NAME: WL-2LSUD2FT25WB2D1HV-WH-30K									TYPE:30K						WEIGHT:		
SPEC.:									DIM.: 2FT						SERIAL No.:		
MFR.: WS									SUR.:0.6*0.05						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	678	678	678	678	678	678	678	678	679	680	681	682	683	684	685		
5	673	673	673	673	673	673	674	675	676	677	678	680	681	683	685		
10	660	660	660	661	661	662	663	664	665	667	668	670	673	675	677		
15	641	641	642	642	643	644	645	646	648	650	652	654	657	660	663		
20	616	616	617	617	618	619	620	622	624	626	629	632	635	638	642		
25	585	585	586	587	588	589	590	592	595	597	600	603	607	610	614		
30	549	550	551	552	553	554	556	558	560	563	566	569	573	577	581		
35	510	511	511	513	514	515	517	519	522	525	529	532	536	540	545		
40	467	468	469	470	471	473	475	477	480	483	486	490	494	498	503		
45	422	423	424	425	426	428	430	432	435	438	442	445	449	454	458		
50	374	375	376	377	379	380	382	385	388	391	394	398	402	406	411		
55	323	324	326	327	328	330	332	335	338	341	344	347	351	355	359		
60	271	272	273	275	276	278	280	282	285	288	291	294	298	302	306		
65	217	218	219	220	222	223	225	227	230	233	236	239	243	247	251		
70	162	163	164	165	166	168	169	171	174	177	180	183	186	190	194		
75	107	108	109	110	111	112	114	116	118	121	124	127	130	133	137		
80	56.4	57.1	57.9	58.7	59.5	60.6	61.8	63.6	65.6	67.8	70.2	72.8	75.6	78.6	81.8		
85	15.9	16.3	16.7	17.2	17.8	18.5	19.3	20.6	22.1	23.7	25.5	27.5	29.6	31.9	34.3		
90	1.17	1.27	1.40	1.55	1.72	1.92	2.15	2.40	2.67	2.97	3.29	3.64	4.02	4.41	4.84		
95	11.9	11.4	11.0	10.5	10.0	9.57	9.15	8.95	8.80	8.69	8.63	8.61	8.64	8.71	8.83		
100	33.2	33.0	32.8	32.5	32.2	31.9	31.6	31.2	30.9	30.5	30.1	29.7	29.2	28.8	28.3		
105	56.5	56.3	56.0	55.7	55.4	55.1	54.9	54.7	54.4	54.2	54.0	53.9	53.7	53.5	53.4		
110	79.9	79.6	79.3	79.1	78.8	78.6	78.4	78.3	78.3	78.2	78.2	78.2	78.3	78.3	78.5		
115	104	104	103	103	103	103	103	103	103	103	103	103	103	103	103		
120	128	128	127	127	127	127	127	127	127	127	127	127	127	127	128		
125	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152		
130	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176		
135	198	198	198	198	198	198	198	198	198	198	198	198	198	198	198		
140	219	219	219	219	219	219	219	219	219	219	219	220	220	220	220		
145	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239		
150	257	257	257	257	257	257	257	257	257	257	257	257	257	257	258		
155	272	272	272	272	272	272	273	273	273	273	273	273	273	273	273		
160	286	286	286	286	286	286	286	286	286	286	286	286	286	286	287		
165	296	296	296	297	297	297	297	297	297	297	297	297	297	297	297		
170	304	304	304	305	305	305	305	305	305	305	305	305	305	305	305		
175	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310		
180	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311		

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: