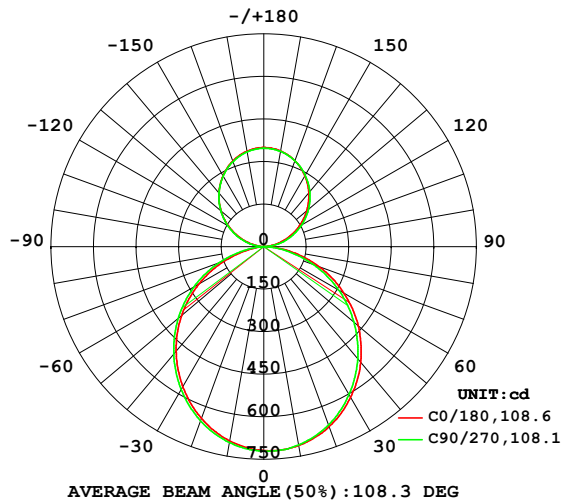


LUMINAIRE PHOTOMETRIC TEST REPORT

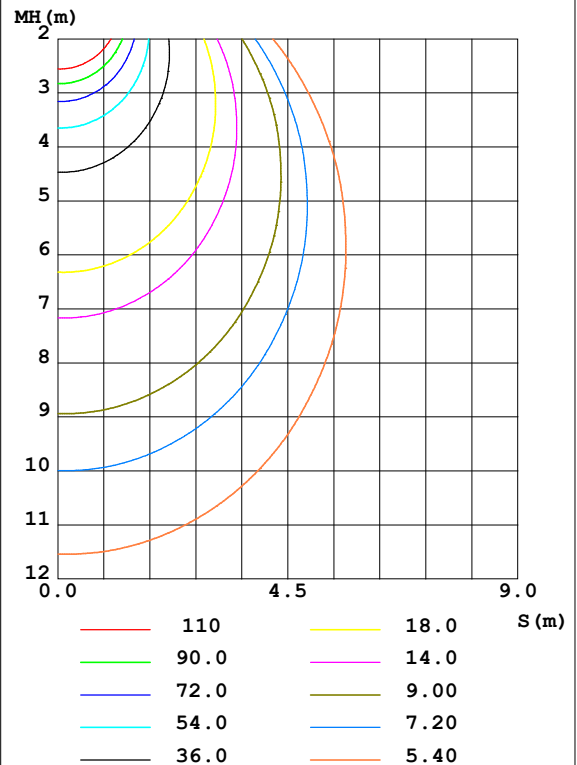
Test:U:120.9V I:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.12 lm/W			
MODEL		Imax(cd)	721.5	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)	2918.1	η UP,DN(C0-180)	16.7,34.4
NOMINAL FLUX(lm)	2918.06	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	16.5,32.5
LAMPS INSIDE	1	η up(%)	33.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	66.9	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:

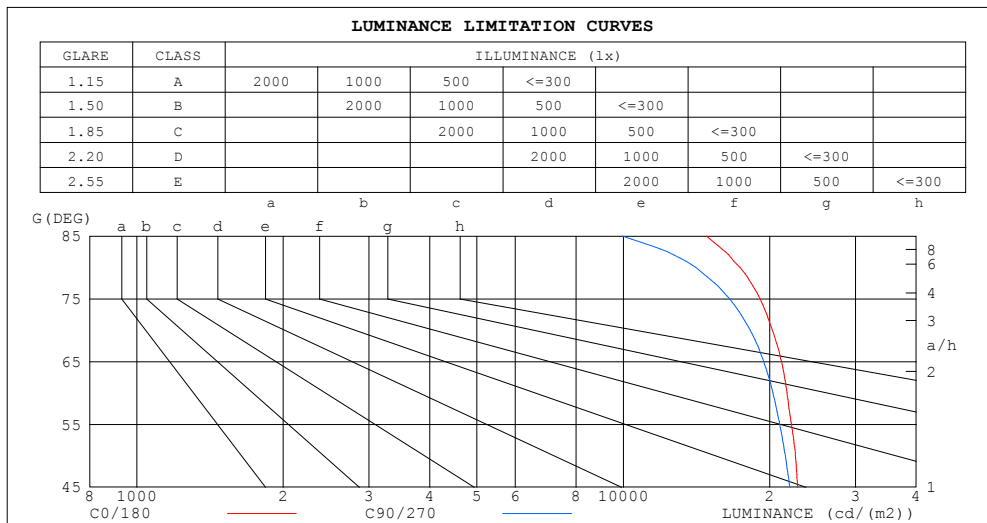
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	711.9	712.9	709.8	708.2	695.4	695.7	701.2	705.5	0- 10	68.03	68.03	2.33,2.33
20	675.5	676.1	668.7	663.0	644.1	643.9	653.3	660.7	10- 20	193.5	261.5	8.96,8.96
30	612.5	613.3	601.6	594.6	570.9	570.4	582.2	592.4	20- 30	289.7	551.2	18.9,18.9
40	532.2	530.8	516.0	507.9	480.8	480.9	494.1	506.3	30- 40	344.5	895.8	30.7,30.7
50	435.6	433.7	415.2	408.1	378.4	380.1	394.1	407.8	40- 50	352.8	1249	42.8,42.8
60	325.5	325.8	304.7	297.6	264.8	269.0	284.7	298.3	50- 60	314.8	1563	53.6,53.6
70	207.8	207.9	187.1	178.9	144.2	150.9	169.4	180.4	60- 70	235.0	1798	61.6,61.6
80	90.53	88.31	73.41	63.07	34.97	41.73	57.21	65.49	70- 80	125.8	1924	65.9,65.9
90	5.294	6.664	0.9158	2.465	1.096	2.059	0.9866	2.234	80- 90	27.62	1952	66.9,66.9
100	30.91	36.96	46.79	42.27	27.36	38.65	38.03	35.36	90-100	15.60	1967	67.4,67.4
110	88.21	90.47	100.5	95.95	85.91	92.96	91.34	89.37	100-110	68.05	2035	69.8,69.8
120	144.5	144.4	155.2	150.2	141.6	148.3	145.7	144.3	110-120	117.9	2153	73.8,73.8
130	198.6	196.6	206.3	202.5	197.1	201.3	198.2	198.3	120-130	155.3	2309	79.1,79.1
140	247.7	244.5	252.7	250.1	246.2	249.1	246.3	246.7	130-140	173.1	2482	85.1,85.1
150	289.6	285.8	292.2	290.8	288.5	289.8	287.4	288.4	140-150	168.5	2650	90.8,90.8
160	322.5	318.1	322.5	322.1	321.4	320.8	319.2	320.6	150-160	141.1	2791	95.7,95.7
170	342.9	338.8	341.3	342.0	342.4	340.3	339.6	341.1	160-170	93.77	2885	98.9,98.9
180	348.9	348.9	348.9	348.9	348.9	348.9	348.9	348.9	170-180	32.88	2918	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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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	14825	9946
80	17377	14092
75	19097	16538
70	20256	18230
65	21147	19433
60	21703	20310
55	22166	20976
50	22590	21533
45	22829	22000

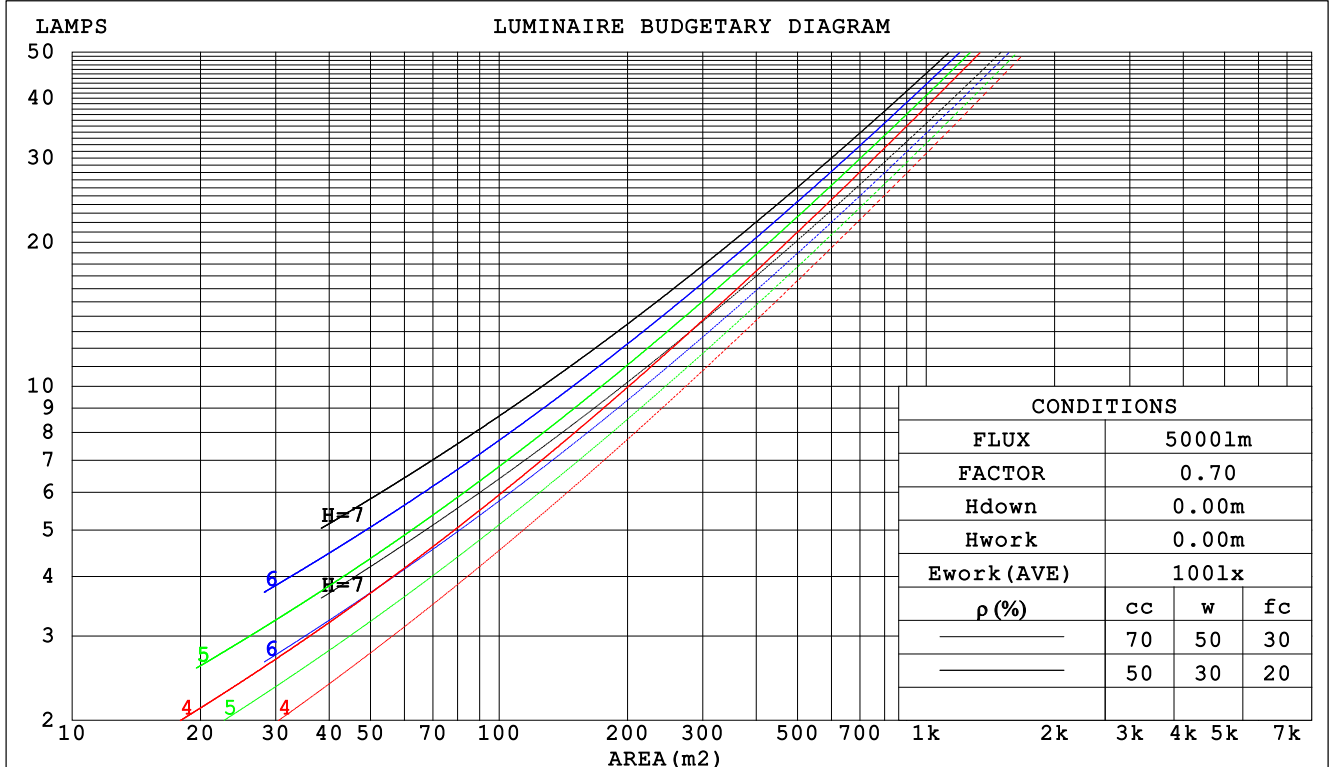
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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	.82	.82	.82	.72	.72	.72	.67
1.0	.97	.93	.90	.92	.88	.85	.81	.79	.76	.72	.70	.68	.63	.62	.61	.56
2.0	.85	.78	.73	.80	.74	.70	.71	.67	.63	.63	.60	.57	.56	.53	.51	.47
3.0	.74	.67	.61	.70	.64	.58	.63	.57	.53	.56	.52	.48	.49	.46	.43	.40
4.0	.66	.58	.51	.62	.55	.49	.56	.50	.45	.50	.45	.41	.44	.40	.37	.34
5.0	.59	.50	.44	.56	.48	.42	.50	.44	.39	.45	.40	.36	.40	.36	.32	.29
6.0	.53	.44	.38	.50	.42	.37	.45	.39	.34	.40	.35	.31	.36	.32	.28	.26
7.0	.48	.39	.34	.45	.38	.32	.41	.35	.30	.37	.31	.28	.33	.28	.25	.23
8.0	.43	.35	.30	.41	.34	.29	.37	.31	.27	.34	.28	.25	.30	.26	.23	.20
9.0	.40	.32	.27	.38	.31	.26	.34	.28	.24	.31	.26	.22	.28	.23	.20	.18
10.0	.36	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.26	.22	.18	.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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm					
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7			TYPE:40K 3.7		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	.286	.163	.052	.269	.154	.049	.237	.136	.044	.208	.120	.039	.181	.105	.034		
2.0	.269	.148	.045	.254	.140	.043	.225	.125	.039	.198	.111	.035	.174	.098	.031		
3.0	.250	.133	.040	.236	.126	.038	.210	.114	.035	.185	.101	.031	.163	.090	.028		
4.0	.231	.120	.035	.219	.114	.034	.194	.103	.031	.172	.092	.028	.151	.082	.025		
5.0	.214	.109	.032	.203	.104	.030	.181	.094	.028	.160	.085	.025	.141	.075	.023		
6.0	.199	.100	.029	.189	.095	.027	.168	.086	.025	.149	.078	.023	.132	.069	.021		
7.0	.186	.092	.026	.176	.088	.025	.157	.080	.023	.140	.072	.021	.123	.064	.019		
8.0	.174	.085	.024	.165	.081	.023	.148	.074	.021	.131	.066	.019	.116	.060	.017		
9.0	.163	.079	.022	.155	.075	.021	.139	.069	.019	.124	.062	.018	.109	.055	.016		
10.0	.154	.074	.020	.146	.070	.020	.131	.064	.018	.117	.058	.016	.103	.052	.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	.443	.443	.443	.378	.378	.378	.258	.258	.258	.148	.148	.148	.047	.047	.047	
1.0	.433	.411	.391	.371	.353	.336	.253	.243	.232	.146	.140	.135	.047	.045	.044	
2.0	.425	.388	.357	.364	.334	.308	.250	.231	.215	.144	.134	.126	.046	.043	.041	
3.0	.418	.372	.335	.358	.321	.290	.246	.223	.203	.142	.130	.120	.046	.042	.039	
4.0	.411	.359	.320	.353	.310	.278	.243	.216	.195	.140	.127	.116	.045	.041	.038	
5.0	.404	.349	.309	.347	.302	.269	.239	.211	.190	.139	.124	.113	.045	.040	.037	
6.0	.398	.342	.301	.342	.296	.263	.236	.207	.186	.137	.122	.110	.044	.040	.036	
7.0	.391	.335	.296	.337	.291	.258	.233	.204	.183	.135	.120	.109	.044	.039	.036	
8.0	.386	.330	.292	.332	.286	.254	.230	.201	.180	.134	.119	.107	.043	.039	.036	
9.0	.380	.325	.288	.327	.282	.252	.227	.198	.179	.132	.117	.106	.043	.038	.035	
10.0	.375	.321	.286	.323	.279	.249	.224	.196	.177	.131	.116	.106	.042	.038	.035	

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm										
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7					TYPE:40K 3.7			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	22.0	23.1	22.6	23.7	24.6	21.7	22.8	22.4	23.5	24.3
3H	23.5	24.5	24.2	25.2	26.0	23.1	24.1	23.8	24.8	25.7
4H	24.1	25.0	24.8	25.7	26.6	23.6	24.6	24.4	25.3	26.2
6H	24.5	25.4	25.3	26.1	27.0	24.0	24.8	24.7	25.6	26.5
8H	24.6	25.5	25.4	26.2	27.1	24.0	24.9	24.8	25.6	26.5
12H	24.7	25.5	25.5	26.3	27.2	24.0	24.8	24.8	25.6	26.5
4H 2H	22.5	23.4	23.2	24.1	25.0	22.3	23.2	23.0	23.9	24.8
3H	24.2	25.0	24.9	25.7	26.6	23.9	24.6	24.6	25.4	26.3
4H	24.9	25.6	25.7	26.4	27.3	24.5	25.2	25.3	26.0	26.9
6H	25.4	26.0	26.2	26.9	27.8	24.9	25.5	25.7	26.4	27.3
8H	25.6	26.2	26.4	27.0	28.0	25.0	25.6	25.9	26.4	27.4
12H	25.7	26.2	26.5	27.1	28.1	25.1	25.6	25.9	26.4	27.5
8H 4H	25.1	25.6	25.9	26.5	27.5	24.7	25.3	25.5	26.1	27.1
6H	25.7	26.2	26.6	27.1	28.1	25.3	25.8	26.1	26.6	27.6
8H	26.0	26.4	26.9	27.3	28.3	25.5	25.9	26.3	26.7	27.8
12H	26.2	26.5	27.1	27.4	28.5	25.6	25.9	26.4	26.8	27.9
12H 4H	25.0	25.6	25.9	26.4	27.4	24.7	25.2	25.5	26.1	27.1
6H	25.8	26.2	26.6	27.0	28.1	25.3	25.7	26.2	26.6	27.7
8H	26.0	26.4	26.9	27.3	28.4	25.5	25.9	26.4	26.8	27.9
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 2918 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

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:120.9V I:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

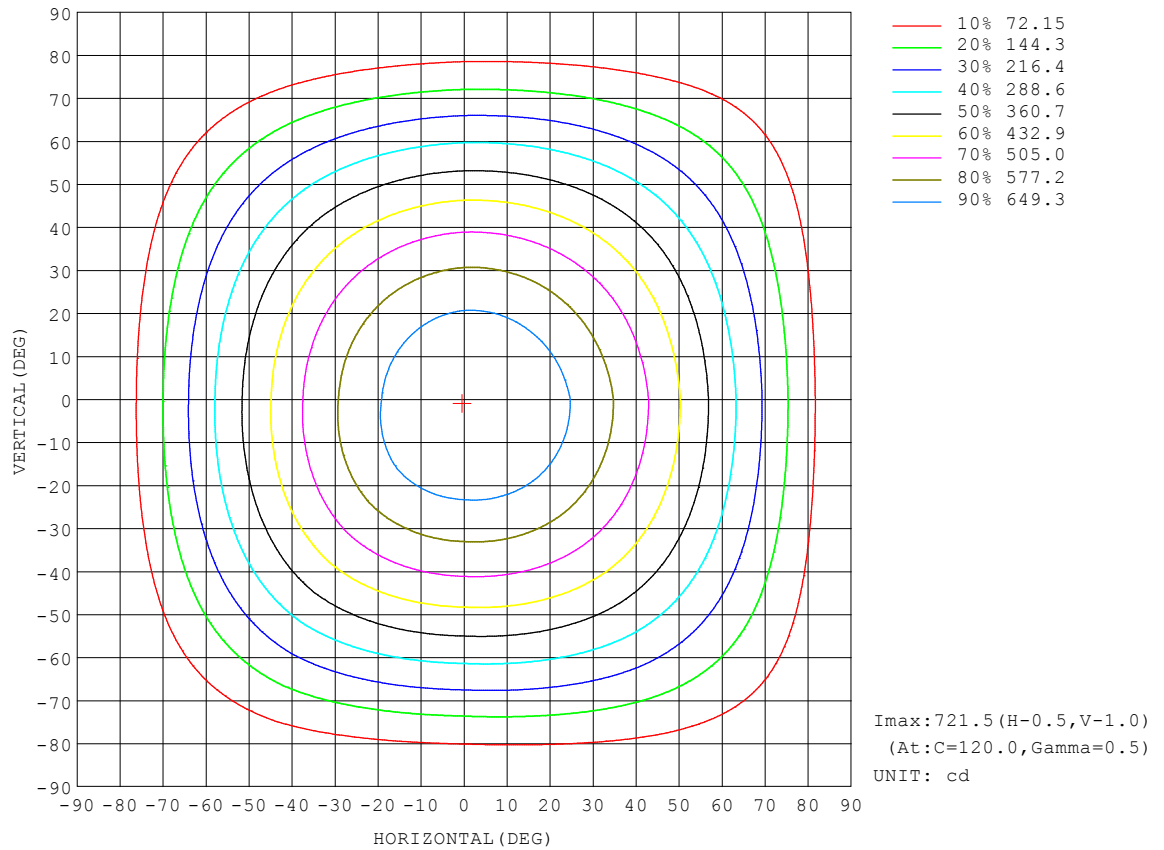
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	38	31	47	37	31	44	35	29	22
0.80	59	47	40	56	46	39	52	43	37	28
1.00	67	55	48	64	53	47	58	51	44	34
1.25	74	63	56	70	61	54	64	56	50	39
1.50	79	69	61	75	66	59	68	60	55	42
2.00	86	77	70	81	73	67	73	67	62	47
2.50	90	82	75	85	78	72	76	71	66	50
3.00	93	86	80	88	82	77	79	74	70	53
4.00	98	92	87	92	87	83	82	78	75	56
5.00	100	95	91	94	90	86	84	81	78	58
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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

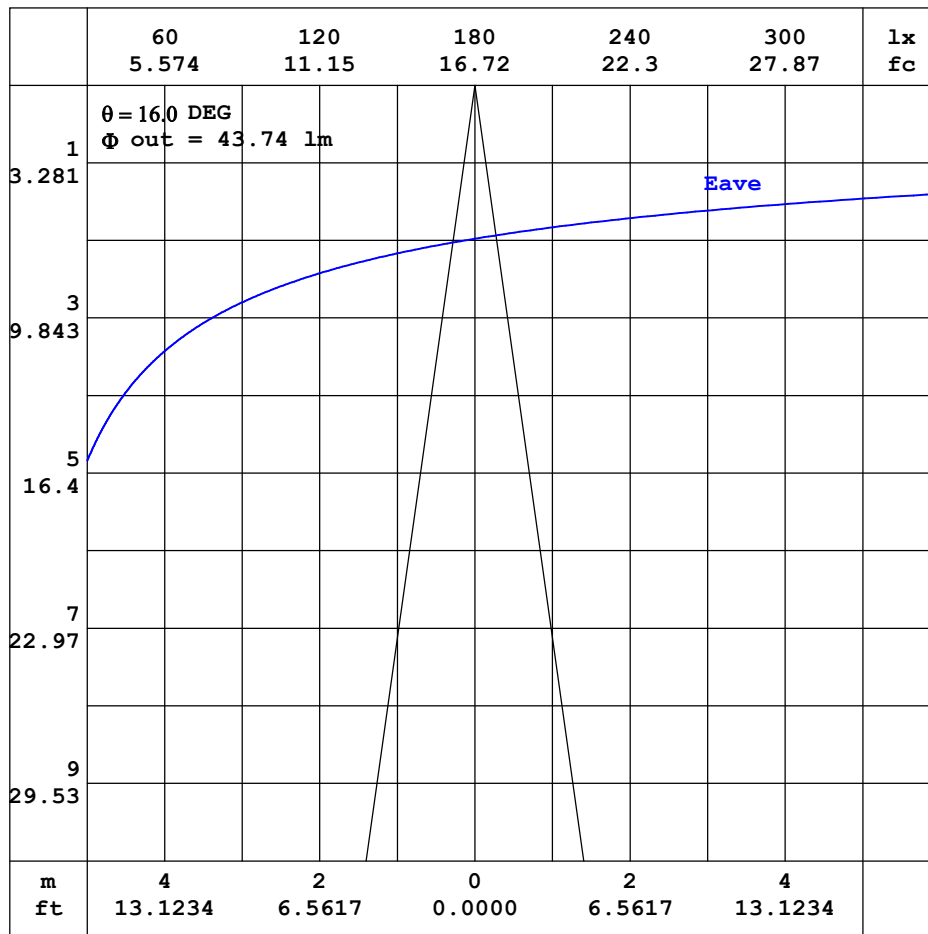


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:



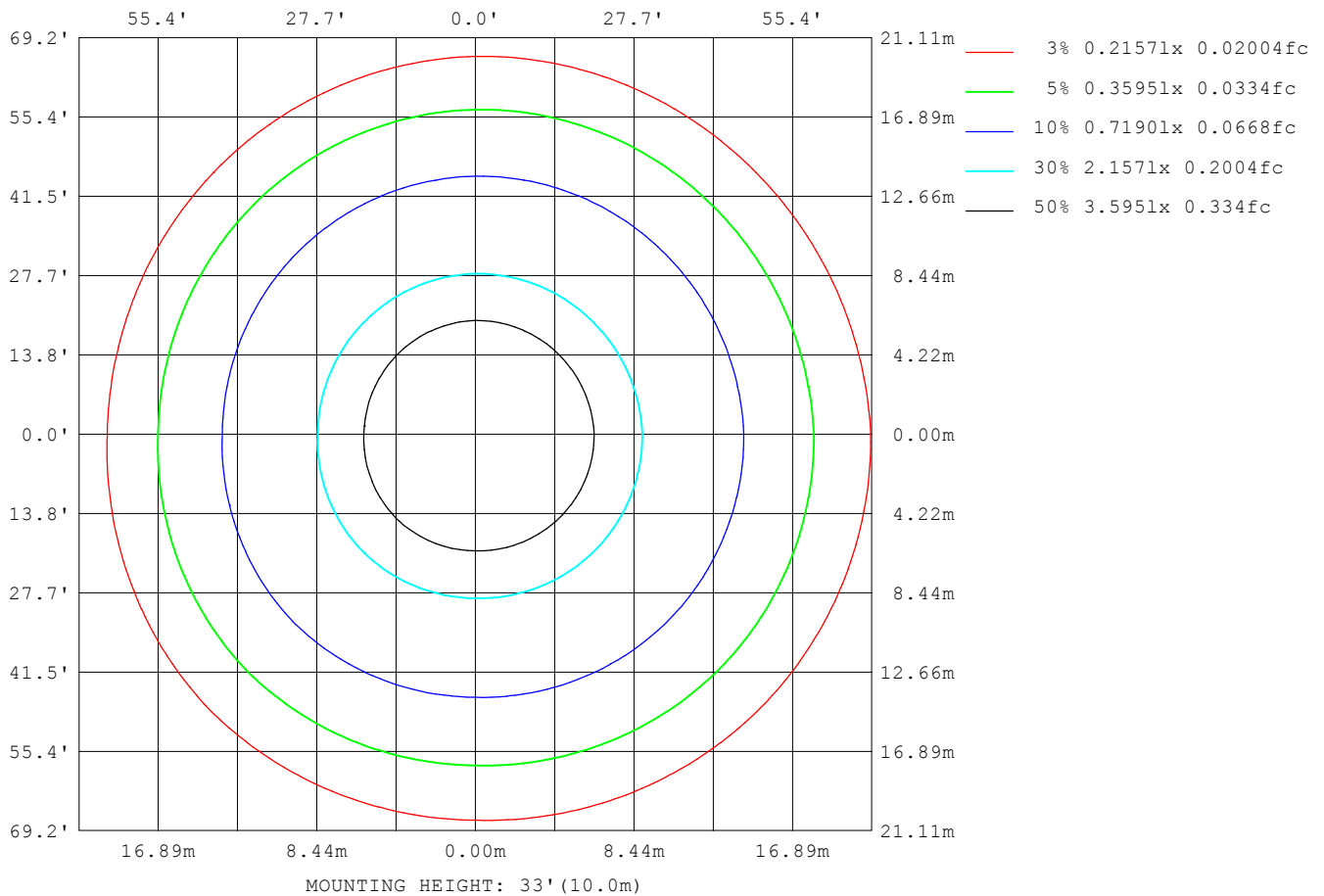
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	WEIGHT:
SPEC.:	DIM.: 2FT	SERIAL No.:
MFR.: WS	SUR.:0.6*0.05	Shielding Angle:

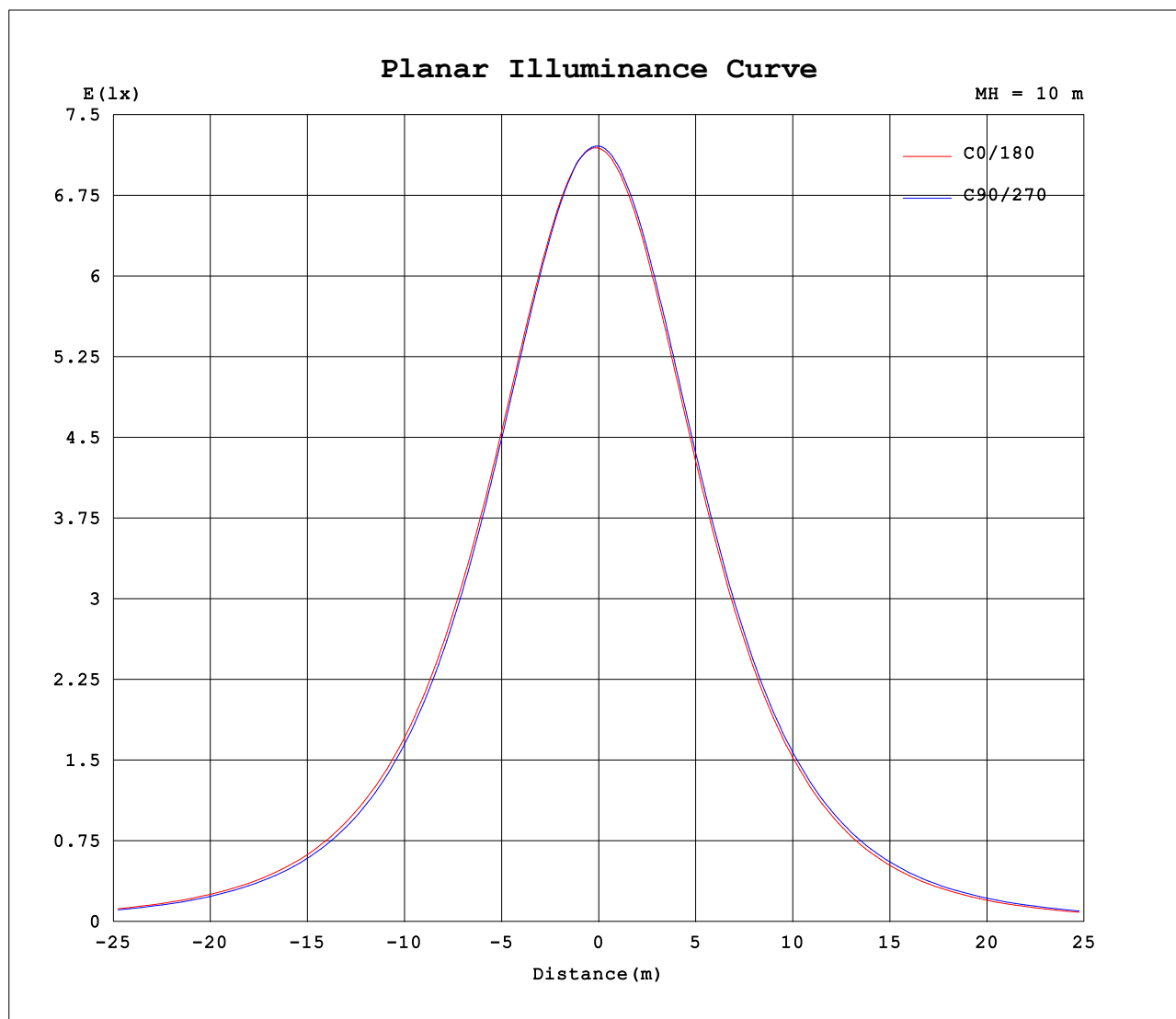
AvgL	cd/m2
L_0~180 (65) av	18682
L_0~180 (75) av	15055
L_0~180 (85) av	8201
L_90~270 (65) av	18686
L_90~270 (75) av	15354
L_90~270 (85) av	7969
L_45 (65) av	18864
L_45 (75) av	15435
L_45 (85) av	8243

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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	719	719	719	719	719	719	719	719	719	719	719	720	720	720	720	720	721	721	721
5	719	719	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	719
10	712	712	712	713	713	713	713	713	713	713	713	712	712	712	711	711	711	710	710
15	697	697	698	698	698	698	698	698	698	698	697	697	696	696	695	695	694	693	693
20	676	676	676	677	677	677	677	677	676	676	676	675	674	673	672	671	671	670	669
25	647	648	648	648	649	649	649	648	648	648	647	646	645	644	643	642	641	639	638
30	613	613	614	614	614	615	614	614	614	613	612	611	610	609	607	606	604	603	602
35	575	575	576	576	576	576	576	575	575	574	573	572	570	569	567	566	564	562	561
40	532	533	533	533	533	533	533	532	532	531	529	528	526	525	523	521	519	518	516
45	484	485	486	486	486	486	486	485	485	484	482	481	479	477	475	473	471	469	467
50	436	436	437	437	437	437	436	436	435	434	432	430	428	426	424	422	419	417	415
55	381	382	383	384	384	384	383	383	382	381	379	377	375	373	370	368	365	363	361
60	326	327	327	328	328	328	328	328	327	326	324	322	319	317	314	312	309	307	305
65	268	269	270	270	271	271	270	270	269	268	266	264	261	259	256	254	251	249	246
70	208	209	210	210	210	210	210	210	209	208	206	204	202	199	197	194	192	189	187
75	148	149	150	150	150	150	149	149	148	147	145	144	142	139	137	135	133	131	128
80	90.5	90.9	91.1	91.2	91.1	90.9	90.5	89.9	89.2	88.3	87.0	85.5	83.9	82.2	80.5	78.7	76.9	75.2	73.4
85	38.8	39.4	39.8	40.1	40.2	40.2	40.0	39.7	39.2	38.6	37.4	36.2	34.8	33.4	31.9	30.4	28.9	27.4	26.0
90	5.29	5.80	6.21	6.54	6.78	6.93	7.00	6.97	6.86	6.66	6.11	5.49	4.83	4.13	3.43	2.73	2.07	1.46	0.92
95	10.00	10.4	10.7	10.9	11.2	11.3	11.5	11.5	11.6	11.6	11.3	11.0	10.7	10.4	10.1	9.79	9.57	9.41	9.33
100	30.9	31.4	31.9	32.5	33.1	33.8	34.5	35.3	36.1	37.0	38.2	39.5	40.7	41.9	43.1	44.2	45.2	46.1	46.8
105	59.9	60.0	60.2	60.5	60.9	61.3	61.8	62.4	63.1	63.8	65.0	66.3	67.6	68.8	70.0	71.2	72.3	73.2	73.9
110	88.2	88.1	88.0	88.1	88.3	88.5	88.9	89.3	89.8	90.5	91.6	92.8	94.0	95.3	96.5	97.6	98.7	99.7	100
115	117	116	116	116	116	116	116	117	117	118	119	120	121	122	123	124	125	126	127
120	144	144	144	143	143	143	143	143	144	144	146	147	148	149	151	152	153	154	155
125	172	171	170	170	170	170	170	170	170	171	172	173	174	176	177	178	179	180	181
130	199	198	197	197	196	196	196	196	196	197	198	199	200	201	202	203	204	205	206
135	224	223	222	222	221	221	221	221	221	221	222	223	224	225	226	227	228	229	230
140	248	247	246	245	245	245	244	244	244	245	245	246	247	248	249	250	251	252	253
145	270	269	268	268	267	267	266	266	266	266	267	268	268	269	270	271	272	273	273
150	290	289	288	287	287	286	286	286	286	286	286	287	288	288	289	290	291	292	292
155	308	307	306	305	304	304	304	303	303	303	304	304	305	305	306	307	308	308	309
160	323	322	321	320	319	319	319	318	318	318	318	319	319	320	320	321	321	322	323
165	334	333	333	332	331	331	330	330	330	330	330	330	331	331	332	332	332	333	333
170	343	342	341	341	340	340	339	339	339	339	339	339	339	340	340	340	341	341	341
175	348	347	347	346	346	345	345	345	344	344	344	344	345	345	345	345	345	346	346
180	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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	721	721	721	721	721	721	721	721	721	721	721	721	720	720	720	719	719	719	719
5	719	719	719	719	719	719	719	718	718	717	716	716	715	714	713	712	712	711	711
10	710	710	710	710	710	709	709	709	708	707	705	704	702	701	699	698	697	695	695
15	692	692	692	691	691	690	690	689	688	687	685	683	681	679	678	676	674	673	672
20	668	668	667	667	666	666	665	664	663	661	659	657	654	652	650	648	646	644	643
25	638	637	637	636	635	634	633	632	631	629	627	624	622	619	617	614	612	610	609
30	601	600	600	599	598	598	597	596	595	592	589	587	584	581	578	576	573	571	570
35	560	560	559	558	557	557	556	554	553	550	548	544	541	538	535	533	530	528	527
40	515	515	514	513	512	511	510	509	508	505	502	499	495	492	489	486	483	481	480
45	466	465	465	464	463	463	462	461	460	457	453	450	447	444	440	437	434	432	431
50	415	414	413	413	412	411	410	409	408	405	402	398	394	391	387	384	381	378	377
55	360	360	359	359	358	358	357	356	354	351	347	344	340	336	332	329	325	322	321
60	304	303	303	302	302	301	300	299	298	294	290	286	282	279	275	271	268	265	264
65	246	245	244	244	243	242	241	240	239	235	231	227	223	219	216	212	209	206	205
70	186	186	185	184	183	183	182	180	179	175	171	167	163	159	155	151	147	144	143
75	127	126	125	124	123	122	121	120	118	114	110	106	102	98.6	94.9	91.4	88.3	85.5	85.0
80	72.4	71.5	70.6	69.6	68.5	67.4	66.1	64.7	63.1	59.9	56.5	53.1	49.6	46.3	43.1	40.1	37.3	35.0	34.5
85	25.3	24.6	24.0	23.3	22.7	22.0	21.3	20.5	19.7	17.9	16.0	14.1	12.2	10.4	8.59	6.93	5.43	4.12	3.82
90	0.91	0.99	1.13	1.31	1.53	1.77	2.01	2.25	2.47	2.36	2.23	2.07	1.91	1.73	1.55	1.38	1.23	1.10	1.17
95	9.91	10.6	11.3	12.0	12.7	13.3	13.9	14.4	14.8	14.2	13.5	12.8	11.9	11.1	10.3	9.46	8.72	8.09	8.21
100	46.9	46.9	46.7	46.3	45.8	45.1	44.3	43.4	42.3	40.5	38.6	36.6	34.8	32.9	31.2	29.7	28.4	27.4	28.0
105	74.0	73.9	73.6	73.1	72.6	71.8	71.0	70.1	69.0	67.5	66.0	64.4	62.9	61.5	60.1	58.9	57.9	57.1	57.6
110	101	100	100	99.7	99.2	98.5	97.7	96.9	96.0	94.7	93.4	92.1	90.8	89.6	88.5	87.5	86.6	85.9	86.3
115	127	127	127	126	126	125	125	124	123	122	121	120	119	117	116	116	115	114	114
120	155	155	155	154	154	153	152	151	150	149	148	147	146	145	144	143	142	142	142
125	181	181	181	180	180	179	178	178	177	176	175	174	174	173	172	172	171	171	171
130	206	206	206	206	205	205	204	203	202	202	201	200	200	199	198	198	197	197	197
135	230	230	230	230	229	229	228	228	227	226	226	225	225	224	224	223	223	222	223
140	253	253	253	252	252	252	251	251	250	250	249	249	248	248	247	247	246	246	246
145	274	274	273	273	273	273	272	272	272	271	271	270	270	270	269	269	269	268	269
150	292	292	292	292	292	292	291	291	291	290	290	290	290	289	289	289	289	289	289
155	309	309	309	309	309	309	308	308	308	308	307	307	307	307	307	307	306	306	306
160	323	323	323	323	323	323	322	322	322	322	322	322	322	322	322	322	321	321	321
165	333	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	334	333	333
170	341	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342
175	346	346	346	346	346	347	347	347	347	347	347	347	348	348	348	348	348	348	348
180	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm		
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7	TYPE:40K 3.7	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	719	719	719	719	719	719	719	719	719	720	720	720	720	720	721	721	721	721	721
5	710	710	710	710	711	711	711	711	711	712	712	713	713	714	714	714	715	715	715
10	695	694	694	694	695	695	695	696	696	697	697	698	698	699	700	701	701	702	702
15	672	672	671	671	672	672	672	673	674	674	675	676	677	678	679	679	680	681	682
20	643	642	642	642	642	643	643	644	645	646	647	648	649	650	651	652	653	654	655
25	609	608	608	608	608	608	609	610	610	611	613	614	615	616	618	619	620	621	622
30	569	569	568	568	569	569	570	570	571	572	574	575	576	578	579	581	582	583	584
35	526	525	525	525	525	526	527	527	528	530	531	532	534	535	537	538	540	541	542
40	479	479	478	478	479	479	480	481	482	483	484	486	487	489	491	492	494	495	496
45	430	429	429	429	429	430	431	432	433	434	436	437	439	440	442	444	446	447	448
50	377	376	376	377	377	378	379	380	381	383	384	386	387	389	391	392	394	395	397
55	321	321	321	322	322	323	325	326	327	329	330	332	333	335	337	339	340	342	343
60	263	263	264	264	265	266	267	269	270	272	274	275	277	279	281	283	285	286	287
65	204	204	205	205	206	207	209	210	212	214	216	217	219	221	223	225	227	229	230
70	143	143	144	145	146	147	149	151	153	155	157	159	161	163	165	167	169	171	172
75	84.9	85.2	85.9	86.9	88.2	89.7	91.4	93.3	95.0	96.7	98.6	100	102	104	106	108	110	111	112
80	34.4	34.6	35.2	36.1	37.2	38.5	40.1	41.7	43.3	45.0	46.7	48.5	50.3	52.1	53.8	55.6	57.2	58.0	58.8
85	3.73	3.84	4.12	4.56	5.14	5.83	6.62	7.49	8.31	9.18	10.1	11.0	12.0	12.9	13.9	14.8	15.7	16.1	16.4
90	1.26	1.37	1.50	1.62	1.75	1.87	1.97	2.06	1.96	1.84	1.71	1.57	1.44	1.30	1.18	1.07	0.99	1.02	1.08
95	8.45	8.79	9.20	9.69	10.2	10.8	11.4	12.0	12.5	12.9	13.3	13.7	14.1	14.4	14.6	14.7	14.8	14.4	13.9
100	28.9	30.1	31.4	32.8	34.3	35.8	37.3	38.6	39.0	39.2	39.3	39.3	39.1	38.9	38.7	38.4	38.0	37.8	37.6
105	58.3	59.3	60.3	61.5	62.6	63.8	64.9	66.0	66.1	66.1	66.0	65.9	65.6	65.3	65.0	64.6	64.2	64.0	63.9
110	86.9	87.6	88.5	89.4	90.3	91.2	92.1	93.0	93.1	93.1	93.0	92.8	92.6	92.3	92.0	91.7	91.3	91.1	90.9
115	115	116	116	117	118	119	119	120	120	120	120	120	120	120	119	119	119	118	118
120	143	143	144	145	146	147	148	148	148	148	148	148	147	147	147	146	146	145	145
125	172	172	173	173	174	174	175	175	175	175	175	174	174	174	173	173	172	172	172
130	198	198	199	199	200	200	201	201	201	201	201	200	200	199	199	199	198	198	198
135	223	223	224	224	225	225	226	226	226	225	225	225	224	224	224	223	223	223	223
140	247	247	247	248	248	249	249	249	249	249	248	248	248	247	247	247	246	246	246
145	269	269	269	270	270	270	270	270	270	270	270	269	269	269	268	268	268	268	268
150	289	289	289	289	289	290	290	290	290	289	289	289	288	288	288	288	287	287	287
155	306	306	306	306	307	307	307	307	306	306	306	306	306	305	305	305	305	305	305
160	321	321	321	321	321	321	321	321	321	320	320	320	320	320	319	319	319	319	319
165	333	333	333	333	333	332	332	332	332	332	332	331	331	331	331	331	331	331	331
170	342	342	342	341	341	341	341	340	340	340	340	340	340	340	340	340	340	340	340
175	347	347	347	346	346	346	345	345	345	345	345	345	345	345	345	345	345	345	345
180	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349

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:0.1970A P:23.70W PF:0.9900 Freq:60.00Hz Lamp Flux:2918.06x1 lm																	
NAME: WL-2LSUD2FT25WB2D1HV-WH-40K-3.7									TYPE:40K 3.7						WEIGHT:		
SPEC.:									DIM.: 2FT						SERIAL No.:		
MFR.: WS									SUR.:0.6*0.05						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	721	721	721	721	721	721	721	721	721	721	721	720	720	720	719				
5	716	716	716	717	717	717	717	718	718	718	718	719	719	719	719				
10	703	703	703	704	704	705	705	706	707	707	708	709	709	710	711				
15	682	683	683	684	685	686	686	687	688	689	690	692	693	694	696				
20	656	656	657	658	659	660	661	662	663	665	666	668	670	672	674				
25	623	624	625	626	627	628	629	631	632	634	636	638	640	642	645				
30	585	586	587	588	590	591	592	594	596	598	600	602	605	607	610				
35	543	544	545	547	548	549	551	553	555	558	560	563	566	569	572				
40	498	499	500	501	503	505	506	509	511	513	516	519	522	525	529				
45	449	451	452	453	455	457	458	461	463	466	468	471	474	477	481				
50	398	399	401	402	404	406	408	410	413	416	418	422	425	428	432				
55	344	346	347	349	351	353	355	357	359	362	365	368	371	374	378				
60	289	290	292	293	295	296	298	301	303	306	309	312	315	318	322				
65	231	232	234	235	236	238	240	242	245	248	250	254	257	260	264				
70	173	174	175	176	177	179	180	183	185	188	191	194	197	200	204				
75	113	114	116	117	118	120	121	123	126	128	131	134	138	141	144				
80	59.6	60.4	61.2	62.1	63.0	64.2	65.5	67.4	69.6	72.0	74.6	77.3	80.3	83.5	86.9				
85	16.8	17.2	17.7	18.2	18.8	19.6	20.5	21.8	23.4	25.1	26.9	29.0	31.2	33.5	36.1				
90	1.17	1.28	1.43	1.59	1.78	2.00	2.23	2.48	2.76	3.05	3.37	3.71	4.07	4.46	4.86				
95	13.4	12.8	12.2	11.6	11.1	10.5	9.97	9.73	9.56	9.44	9.39	9.39	9.45	9.57	9.76				
100	37.4	37.1	36.8	36.5	36.1	35.8	35.4	35.0	34.5	34.1	33.6	33.1	32.6	32.1	31.5				
105	63.7	63.5	63.3	63.2	63.0	62.8	62.5	62.3	62.0	61.8	61.5	61.2	60.9	60.6	60.2				
110	90.7	90.4	90.2	90.0	89.8	89.6	89.4	89.2	89.0	88.9	88.8	88.6	88.5	88.4	88.3				
115	118	118	117	117	117	117	117	116	116	116	116	116	116	116	116				
120	145	145	145	145	144	144	144	144	144	144	144	144	144	144	144				
125	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172				
130	198	198	198	198	198	198	198	198	198	198	198	198	198	199	199				
135	223	223	223	223	223	223	223	223	223	223	223	223	223	224	224				
140	246	246	246	246	247	247	247	247	247	247	247	247	247	247	248				
145	268	268	268	268	268	268	269	269	269	269	269	269	270	270	270				
150	287	288	288	288	288	288	288	289	289	289	289	289	289	289	289				
155	305	305	305	305	306	306	306	306	306	306	307	307	307	307	307				
160	319	320	320	320	320	320	321	321	321	321	321	322	322	322	322				
165	331	331	332	332	332	332	332	333	333	333	333	333	334	334	334				
170	340	340	340	340	341	341	341	341	341	342	342	342	342	342	343				
175	346	346	346	346	346	346	347	347	347	347	347	347	348	348	348				
180	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349				

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: