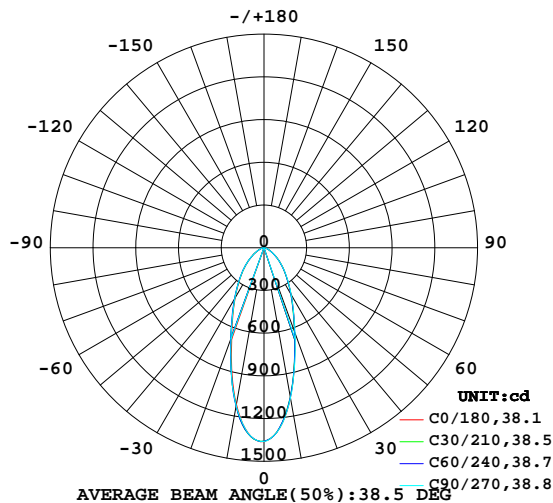


## LUMINAIRE PHOTOMETRIC TEST REPORT

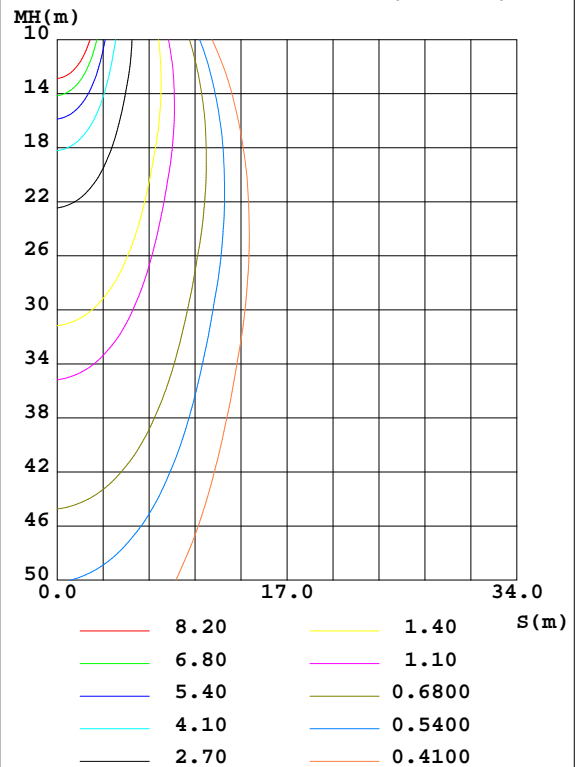
Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.34 lm/W			
MODEL	INDFPS010UNHD8SC2R3BZP	Imax(cd)	1362	S/MH(C0/180)	0.62
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	1085.4	$\eta$ UP,DN(C0-180)	0.0,48.6
NOMINAL FLUX(lm)	1085.4	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,51.3
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.9	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1071	1066	1072	1088	1118	1132	1127	1103	0- 10	116.7	116.7	10.8,10.8
20	630.4	626.7	638.3	643.7	666.5	685.7	678.5	652.4	10- 20	238.1	354.8	32.7,32.7
30	382.3	376.7	384.3	392.1	406.2	413.8	411.2	396.0	20- 30	233.0	587.8	54.2,54.2
40	232.3	228.0	233.4	238.9	247.2	252.3	250.7	243.1	30- 40	194.1	781.9	72,72
50	134.4	130.4	132.2	137.2	142.3	145.4	145.2	139.3	40- 50	143.4	925.3	85.3,85.3
60	65.11	63.21	63.81	67.27	70.66	72.53	71.52	69.31	50- 60	89.50	1015	93.5,93.5
70	27.63	26.78	27.27	28.75	30.43	31.27	30.47	29.42	60- 70	45.69	1061	97.7,97.7
80	9.004	8.799	9.183	9.573	10.07	10.41	10.46	9.746	70- 80	19.00	1080	99.5,99.5
90	0.0153	0.0155	0.0149	0.0149	0.0284	0.0728	0.0470	0.0272	80- 90	4.541	1084	99.9,99.9
100	0.0240	0.0240	0.0244	0.0234	0.0456	0.0438	0.0453	0.0459	90-100	0.0295	1084	99.9,99.9
110	0.0418	0.0421	0.0408	0.0395	0.0684	0.0665	0.0672	0.0693	100-110	0.0474	1084	99.9,99.9
120	0.0768	0.0782	0.0774	0.0753	0.1081	0.1059	0.1063	0.1100	110-120	0.0698	1084	99.9,99.9
130	0.1499	0.1523	0.1506	0.1466	0.2085	0.2063	0.2086	0.2132	120-130	0.1163	1084	99.9,99.9
140	0.2709	0.2743	0.2736	0.2674	0.4032	0.4001	0.4038	0.4109	130-140	0.1934	1085	99.9,99.9
150	0.4305	0.4348	0.4358	0.4317	0.7331	0.7290	0.7311	0.7418	140-150	0.2865	1085	99.9,99.9
160	0.5670	0.5711	0.5743	0.5735	0.9707	0.9666	0.9638	0.9710	150-160	0.3171	1085	100,100
170	0.6099	0.6178	0.6232	0.6207	0.9271	0.9274	0.9226	0.9212	160-170	0.2233	1085	100,100
180	0.7516	0.7536	0.7487	0.7482	0.7491	0.7500	0.7478	0.7451	170-180	0.0719	1085	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 860.33 lm

%lum = 79.3%

%lamp = 79.3%

Conical surface Flux(120deg): 1014.8 lm

%lum = 93.5%

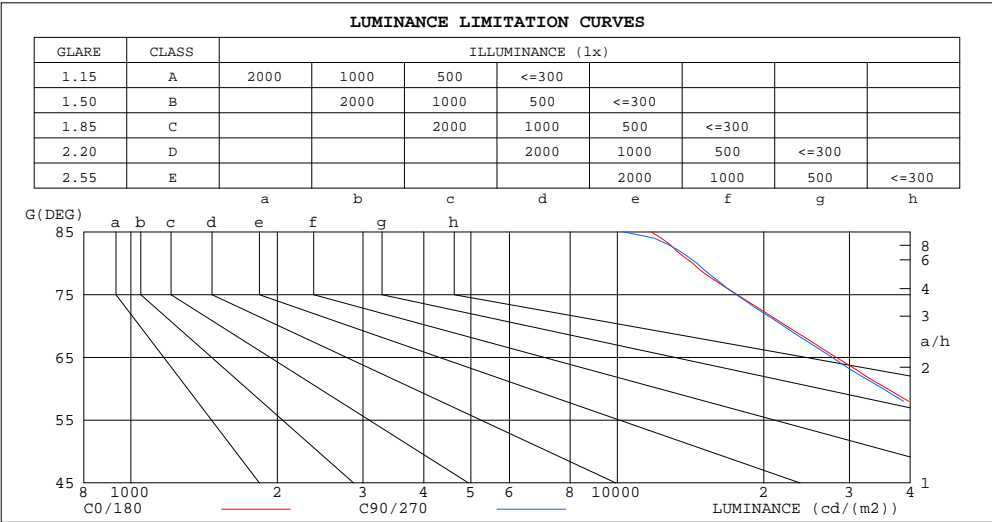
%lamp = 93.5%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11722	10292
80	14284	14569
75	17626	17543
70	22252	21964
65	28182	27654
60	35876	35159
55	46093	45752
50	57597	56661
45	70055	69614

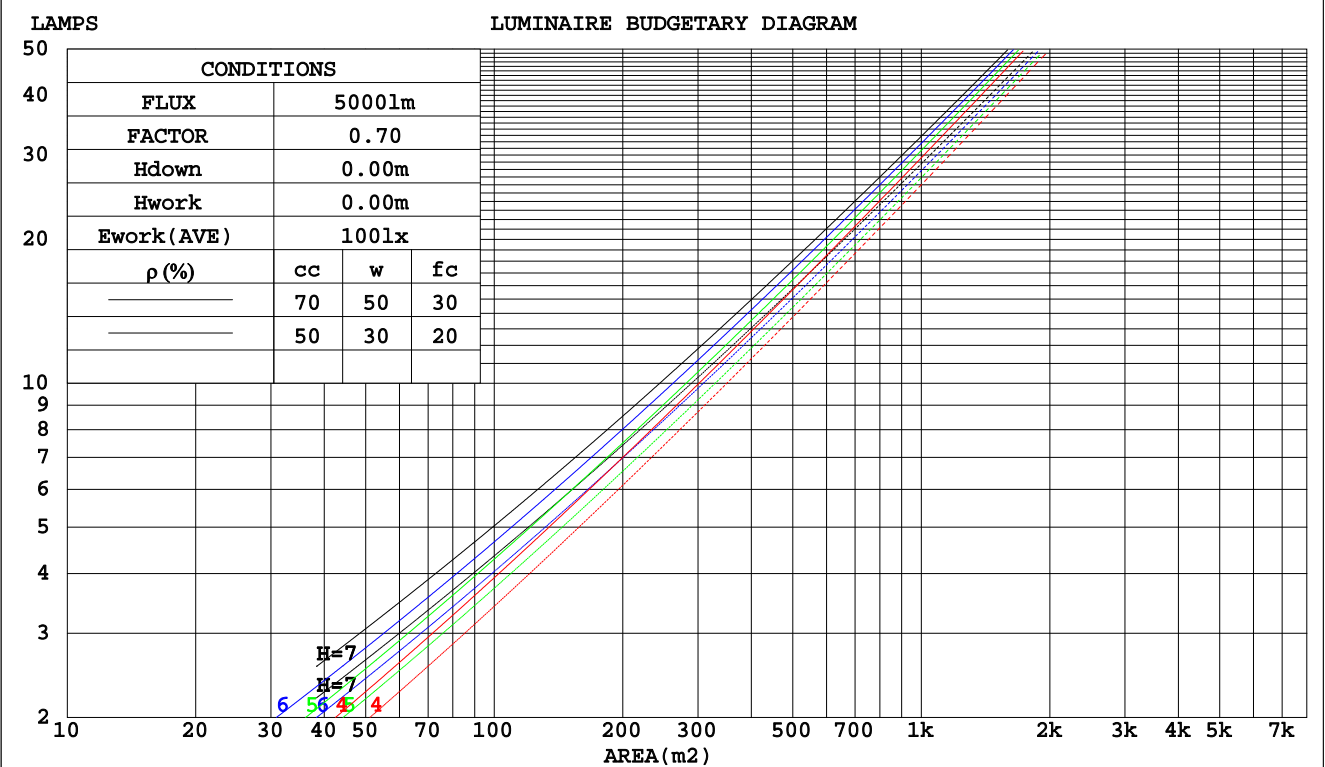
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:Alan Wang  
Test Date:22 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance:2.500m [K=1.0461]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## WEC AND CCEC

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	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	.218	.124	.039	.211	.120	.038	.198	.114	.036	.186	.107	.034	.175	.102	.033		
2.0	.209	.115	.035	.203	.112	.035	.192	.107	.033	.182	.102	.032	.173	.098	.031		
3.0	.198	.105	.032	.193	.103	.031	.183	.099	.030	.174	.096	.029	.166	.092	.028		
4.0	.186	.097	.028	.182	.095	.028	.174	.092	.028	.166	.089	.027	.159	.086	.026		
5.0	.176	.089	.026	.172	.088	.026	.164	.086	.025	.158	.083	.025	.151	.081	.024		
6.0	.166	.083	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023	.144	.076	.023		
7.0	.156	.077	.022	.153	.076	.022	.148	.075	.021	.142	.073	.021	.137	.071	.021		
8.0	.148	.072	.020	.145	.072	.020	.140	.070	.020	.135	.069	.020	.131	.067	.020		
9.0	.140	.068	.019	.138	.067	.019	.133	.066	.019	.129	.065	.019	.125	.063	.018		
10.0	.133	.064	.018	.131	.063	.018	.127	.062	.018	.123	.061	.017	.119	.060	.017		

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.175	.158	.143	.150	.136	.123	.102	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.162	.133	.109	.139	.115	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
3.0	.152	.115	.085	.130	.099	.074	.089	.069	.052	.052	.040	.031	.017	.013	.010	
4.0	.142	.101	.069	.122	.087	.060	.084	.061	.042	.049	.035	.025	.016	.012	.008	
5.0	.134	.089	.056	.115	.077	.049	.079	.054	.035	.046	.032	.021	.015	.010	.007	
6.0	.127	.080	.047	.109	.070	.041	.075	.049	.029	.044	.029	.017	.014	.009	.006	
7.0	.120	.073	.040	.104	.063	.035	.072	.044	.025	.042	.026	.015	.013	.009	.005	
8.0	.114	.067	.034	.098	.058	.030	.068	.041	.021	.040	.024	.013	.013	.008	.004	
9.0	.109	.062	.030	.094	.054	.026	.065	.038	.019	.038	.022	.011	.012	.007	.004	
10.0	.104	.058	.027	.090	.050	.023	.062	.035	.017	.036	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm										
NAME: Optic/CCT/Wattage/Up & Down Light					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: LEDVANCE LLC					SUR.:			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	24.2	25.4	24.5	25.6	25.7	24.2	25.3	24.4	25.5	25.7
3H	24.7	25.7	24.9	25.9	26.1	24.6	25.7	24.9	25.9	26.1
4H	24.8	25.8	25.1	26.0	26.2	24.7	25.7	25.0	26.0	26.2
6H	24.8	25.8	25.1	26.0	26.3	24.8	25.7	25.1	26.0	26.2
8H	24.8	25.7	25.1	26.0	26.3	24.8	25.7	25.1	26.0	26.2
12H	24.8	25.7	25.1	26.0	26.2	24.8	25.6	25.1	25.9	26.2
4H 2H	24.4	25.4	24.7	25.6	25.9	24.4	25.4	24.7	25.6	25.8
3H	24.9	25.8	25.3	26.1	26.4	24.9	25.8	25.2	26.0	26.3
4H	25.1	25.9	25.5	26.2	26.5	25.1	25.9	25.4	26.2	26.5
6H	25.2	25.9	25.6	26.3	26.6	25.2	25.9	25.6	26.2	26.6
8H	25.2	25.9	25.7	26.2	26.6	25.2	25.9	25.6	26.2	26.6
12H	25.3	25.8	25.7	26.2	26.6	25.2	25.8	25.7	26.2	26.6
8H 4H	25.1	25.8	25.5	26.1	26.5	25.1	25.7	25.5	26.1	26.5
6H	25.3	25.8	25.7	26.2	26.6	25.3	25.8	25.7	26.2	26.6
8H	25.3	25.8	25.8	26.2	26.7	25.3	25.8	25.8	26.2	26.7
12H	25.4	25.8	25.9	26.2	26.7	25.4	25.8	25.8	26.2	26.7
12H 4H	25.1	25.7	25.5	26.1	26.4	25.1	25.6	25.5	26.0	26.4
6H	25.3	25.7	25.7	26.2	26.6	25.3	25.7	25.7	26.1	26.6
8H	25.3	25.7	25.8	26.2	26.7	25.3	25.7	25.8	26.2	26.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 1.0				
1.5H	+ 0.5 / - 0.5					+ 0.6 / - 0.5				
2.0H	+ 1.5 / - 1.5					+ 1.6 / - 1.4				

CIE Pub.117, 1085 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.3$ )  
Area: 0.00362984 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

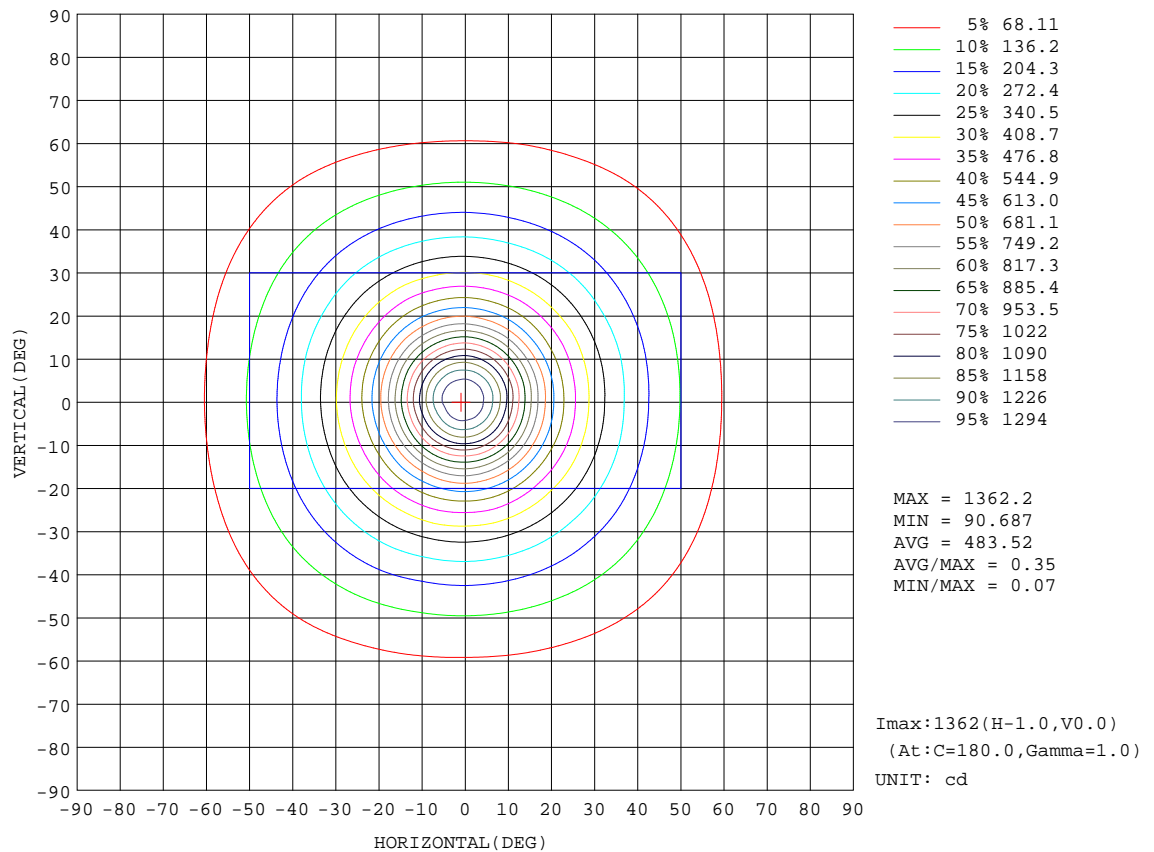
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	72	65	60	55
0.80	83	75	69	82	74	69	81	74	69	64
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	87	83	92	86	82	76
1.50	99	92	87	98	91	87	95	90	86	80
2.00	103	98	93	102	97	92	99	94	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	113	109	107	110	107	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.9%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

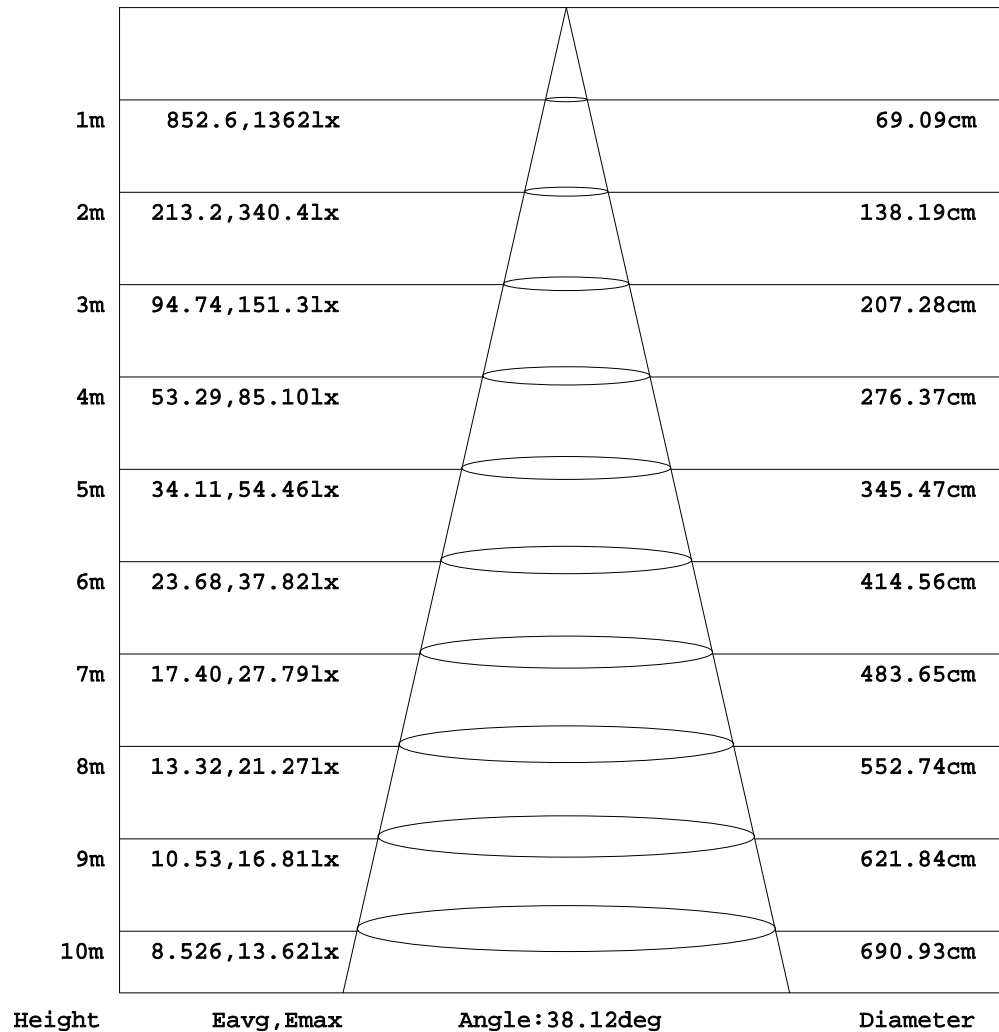
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:



## AAI Figure

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:354.8 lm



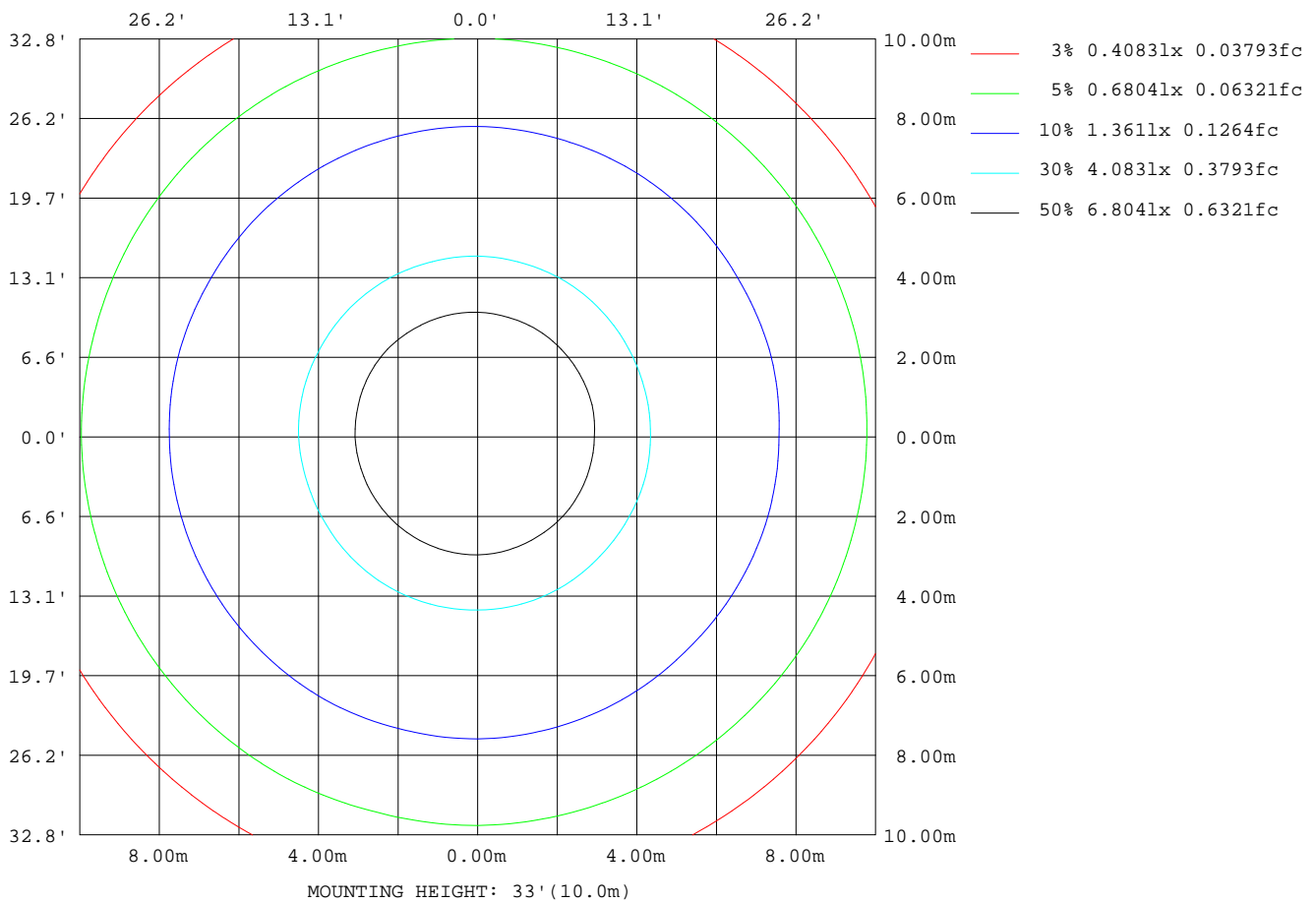
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date:22 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.9%  
 Test Distance:2.500m [K=1.0461]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.9%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

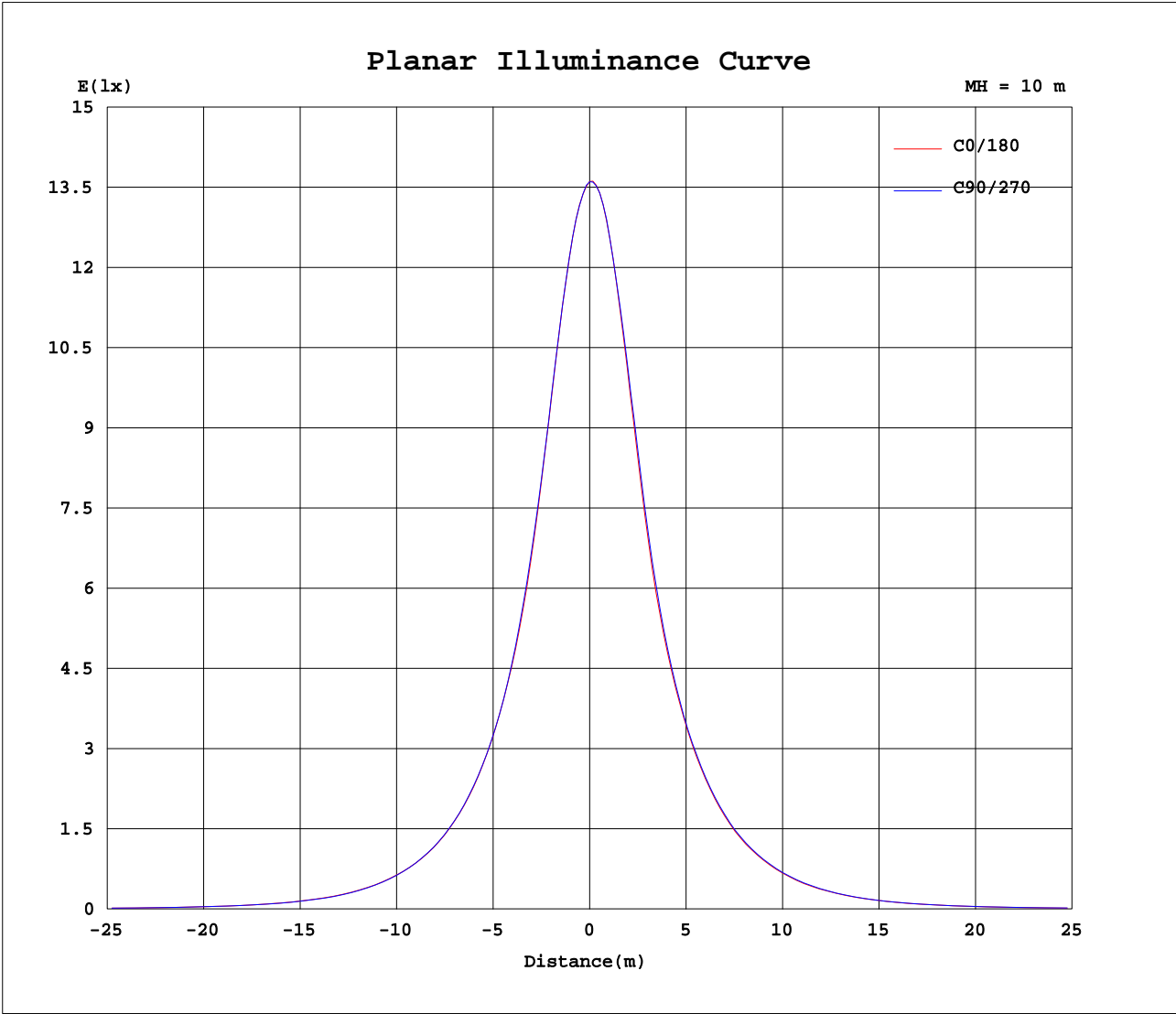
AvgL	cd/m2
L_0~180(65)av	29437
L_0~180(75)av	18680
L_0~180(85)av	13235
L_90~270(65)av	29294
L_90~270(75)av	18677
L_90~270(85)av	12489
L_45(65)av	29564
L_45(75)av	18664
L_45(85)av	12867

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1361	1357	1358	1360	1358	1360	1360	1359	1358	1360	1360	1359	1361	1357	1358	1360	1358	1360	1360
5	1271	1270	1268	1268	1266	1267	1272	1277	1281	1285	1288	1289	1303	1308	1309	1310	1307	1305	1305
10	1071	1063	1065	1066	1067	1070	1072	1077	1080	1088	1095	1103	1118	1123	1128	1132	1132	1129	1127
15	829	826	826	828	827	831	837	840	845	850	856	863	878	883	894	898	895	894	894
20	630	627	626	627	629	633	638	637	638	644	645	655	666	674	681	686	684	682	679
25	490	488	483	480	485	490	490	495	496	499	501	505	518	524	525	529	529	526	525
30	382	380	379	377	378	382	384	386	388	392	395	399	406	409	412	414	415	411	411
35	299	297	295	294	295	296	300	301	304	306	310	311	317	321	323	324	324	322	322
40	232	230	229	228	229	231	233	233	237	239	241	243	247	249	249	252	253	252	251
45	180	177	176	175	175	177	179	179	183	185	186	187	190	191	193	194	195	194	193
50	134	133	131	130	130	131	132	133	135	137	139	141	142	143	145	145	146	145	145
55	96.0	94.2	94.7	92.8	93.0	93.3	95.3	95.0	96.8	98.3	99.8	101	103	104	104	105	104	104	104
60	65.1	64.5	63.9	63.2	63.4	63.9	63.8	65.0	65.6	67.3	68.0	68.8	70.7	71.3	71.6	72.5	72.0	71.8	71.5
65	43.2	42.9	42.5	42.2	42.1	42.4	42.4	43.3	43.7	44.7	45.3	45.6	47.1	47.5	47.8	48.4	48.1	47.8	47.5
70	27.6	27.1	27.0	26.8	26.8	27.2	27.3	27.5	28.1	28.8	29.0	29.3	30.4	30.4	30.7	31.3	30.9	30.8	30.5
75	16.6	16.1	15.9	16.0	16.0	16.2	16.5	16.6	17.1	17.4	17.5	17.5	18.5	18.4	18.7	18.9	18.9	18.8	18.6
80	9.00	8.78	8.70	8.80	8.85	9.01	9.18	9.20	9.57	9.57	9.59	9.64	10.1	10.0	10.2	10.4	10.5	10.5	10.5
85	3.71	3.47	3.23	3.23	3.29	3.29	3.26	3.33	3.68	3.94	4.02	4.12	4.67	4.68	4.66	4.83	4.96	4.89	4.65
90	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02	0.03	0.03	0.05	0.07	0.09	0.07	0.05
95	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
100	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.04	0.04	0.04	0.04	0.04	0.05
105	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06
110	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07
115	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08
120	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.11
125	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.15	0.15
130	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.21	0.21	0.21	0.21	0.21	0.21	0.21
135	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.29	0.29	0.29	0.29	0.29	0.29	0.29
140	0.27	0.27	0.27	0.27	0.28	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.34	0.57	0.57	0.56	0.56	0.56	0.56	0.57
150	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.42	0.73	0.73	0.73	0.73	0.73	0.73	0.73
155	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.87	0.87	0.87	0.87	0.87	0.86	0.86
160	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.97	0.97	0.97	0.97	0.97	0.96	0.96
165	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.99	0.99	0.99	0.99	0.99	0.99	0.98
170	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.93	0.93	0.93	0.93	0.93	0.92	0.92
175	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.65	0.84	0.84	0.84	0.84	0.84	0.84	0.84
180	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0671A P:8.02W PF:0.9962 Freq:60.00Hz Lamp Flux:1085.4x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	1359	1358	1360	1360	1359													
5	1299	1294	1290	1285	1279													
10	1119	1111	1103	1094	1086													
15	885	875	864	854	843													
20	670	662	652	646	640													
25	520	515	507	502	493													
30	407	401	396	395	389													
35	318	316	312	307	304													
40	248	246	243	239	238													
45	191	189	187	185	183													
50	144	141	139	138	137													
55	103	102	100	99.1	98.3													
60	71.7	70.0	69.3	67.9	67.0													
65	47.9	46.6	46.1	45.3	44.7													
70	30.5	29.7	29.4	29.0	28.6													
75	18.3	18.1	17.9	17.5	16.9													
80	10.1	10.0	9.75	9.45	9.14													
85	4.43	4.43	4.28	4.00	3.81													
90	0.03	0.03	0.03	0.03	0.03													
95	0.03	0.03	0.03	0.04	0.04													
100	0.05	0.05	0.05	0.05	0.05													
105	0.06	0.06	0.06	0.06	0.06													
110	0.07	0.07	0.07	0.07	0.07													
115	0.08	0.08	0.08	0.09	0.09													
120	0.11	0.11	0.11	0.11	0.11													
125	0.15	0.15	0.15	0.15	0.15													
130	0.21	0.21	0.21	0.21	0.22													
135	0.29	0.29	0.30	0.30	0.30													
140	0.41	0.41	0.41	0.42	0.42													
145	0.57	0.57	0.58	0.58	0.59													
150	0.73	0.74	0.74	0.75	0.75													
155	0.87	0.87	0.88	0.88	0.88													
160	0.97	0.97	0.97	0.98	0.98													
165	0.99	0.99	0.99	0.99	1.00													
170	0.92	0.92	0.92	0.93	0.93													
175	0.84	0.84	0.84	0.84	0.84													
180	0.75	0.74	0.75	0.75	0.75													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks: