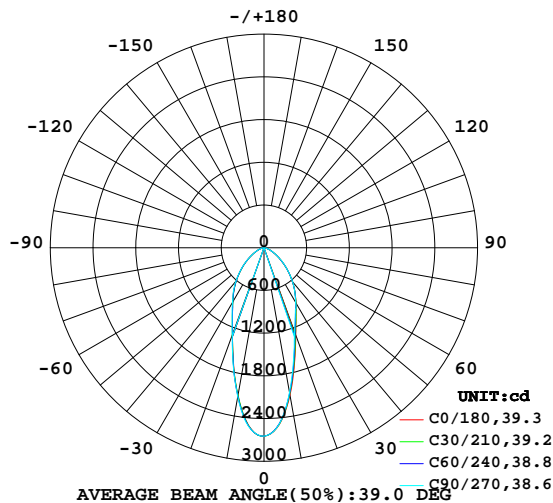


## LUMINAIRE PHOTOMETRIC TEST REPORT

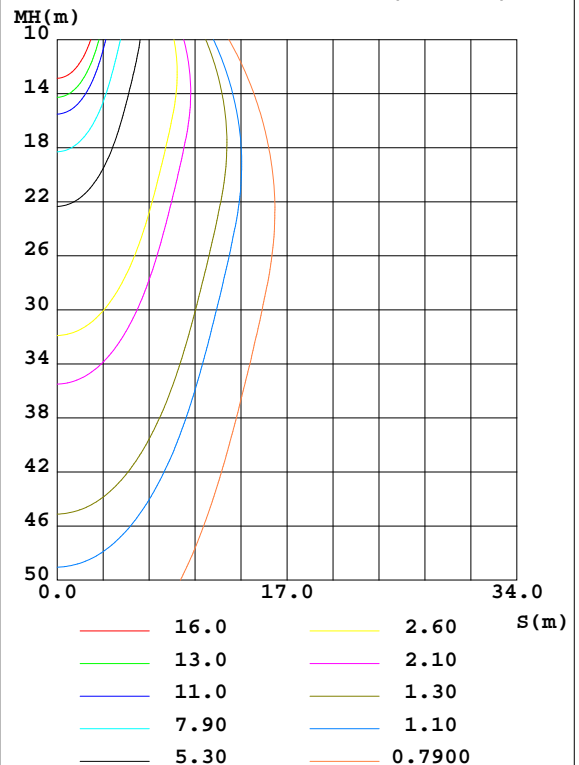
Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.45 lm/W			
MODEL	INDEPS020UNHD8SC2R4BZP	Imax(cd)	2648	S/MH(C0/180)	0.61
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2451.8	$\eta$ UP,DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	2451.84	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,50.1
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.9	CIBSE SHR MAX	0.75

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: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
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	2103	2084	2066	2070	2108	2113	2125	2134	0- 10	225.3	225.3	9.19,9.19
20	1307	1290	1259	1271	1299	1302	1306	1322	10- 20	460.7	686.0	28,28
30	900.5	899.1	889.7	886.0	884.3	880.9	889.1	904.6	20- 30	489.0	1175	47.9,47.9
40	622.6	623.2	624.1	615.6	609.2	604.1	616.8	624.4	30- 40	469.2	1644	67.1,67.1
50	373.2	374.0	378.0	370.1	366.8	363.5	370.9	376.1	40- 50	376.5	2021	82.4,82.4
60	186.9	187.4	188.7	185.9	183.5	183.0	186.0	187.5	50- 60	242.2	2263	92.3,92.3
70	78.96	77.77	79.26	77.96	77.90	77.54	79.00	79.75	60- 70	125.4	2388	97.4,97.4
80	23.42	23.04	22.07	22.82	24.14	24.10	23.52	23.81	70- 80	49.68	2438	99.4,99.4
90	0.0492	0.0366	0.0352	0.0388	0.0667	0.0695	0.0753	0.0764	80- 90	10.91	2449	99.9,99.9
100	0.0577	0.0578	0.0593	0.0593	0.1230	0.1239	0.1249	0.1227	90-100	0.0746	2449	99.9,99.9
110	0.1013	0.1012	0.1029	0.1045	0.1864	0.1900	0.1884	0.1865	100-110	0.1245	2449	99.9,99.9
120	0.1888	0.1891	0.1916	0.1936	0.2814	0.2844	0.2831	0.2799	110-120	0.1828	2449	99.9,99.9
130	0.3481	0.3487	0.3520	0.3544	0.5006	0.5049	0.4988	0.4962	120-130	0.2865	2450	99.9,99.9
140	0.5871	0.5889	0.5957	0.5996	0.8857	0.8851	0.8782	0.8750	130-140	0.4374	2450	99.9,99.9
150	0.8952	0.9008	0.9091	0.9120	1.512	1.508	1.503	1.505	140-150	0.6039	2451	99.9,99.9
160	1.161	1.167	1.176	1.178	1.943	1.943	1.939	1.946	150-160	0.6468	2451	100,100
170	1.262	1.270	1.278	1.272	1.835	1.836	1.829	1.841	160-170	0.4501	2452	100,100
180	1.527	1.519	1.512	1.519	1.523	1.517	1.504	1.512	170-180	0.1455	2452	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1847.9 lm

%lum = 75.4%

%lamp = 75.4%

Conical surface Flux(120deg): 2262.9 lm

%lum = 92.3%

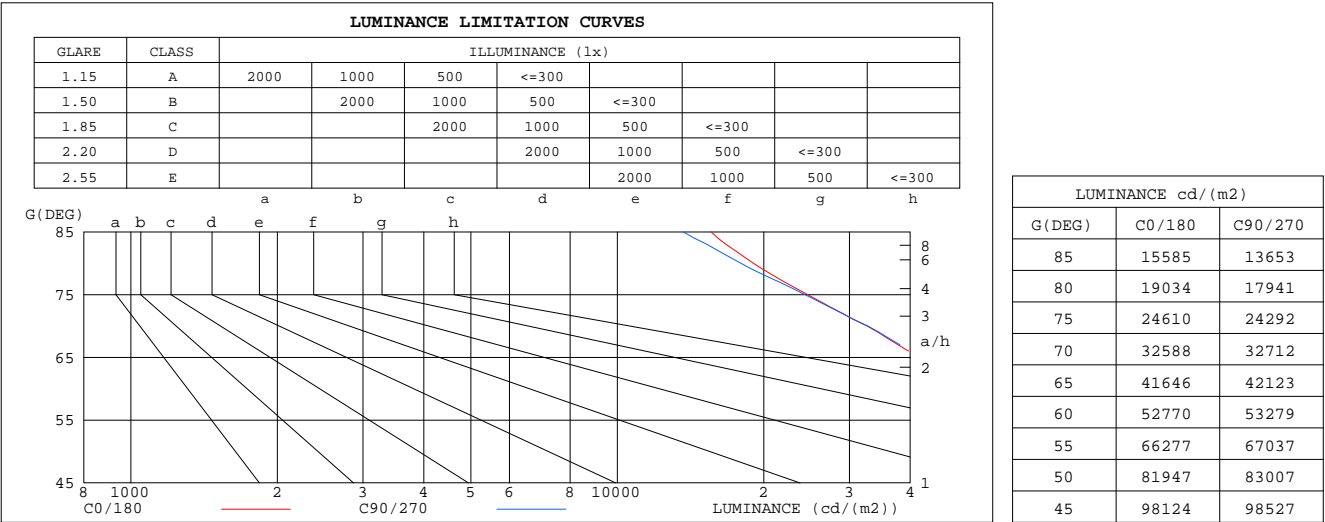
%lamp = 92.3%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



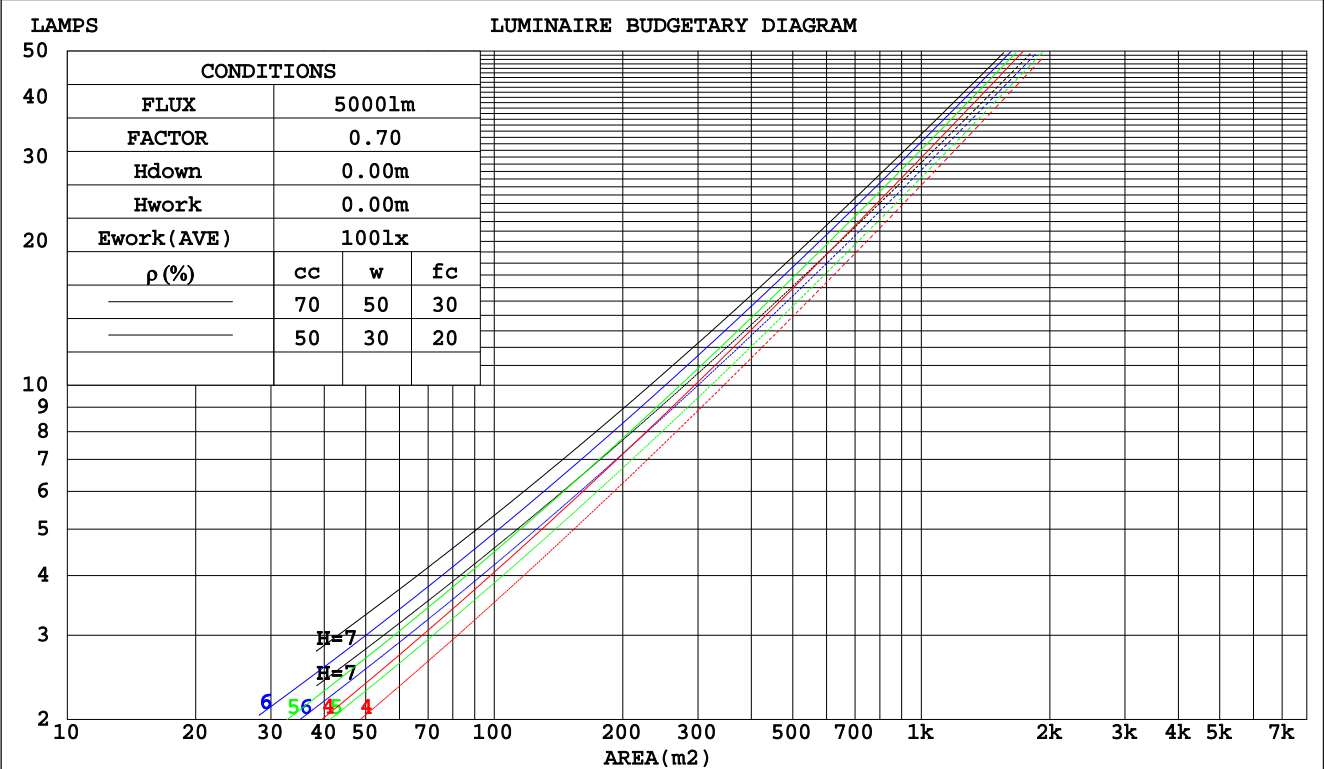
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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: 15 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## WEC AND CCEC

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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	.229	.130	.041	.222	.127	.040	.209	.120	.038	.197	.114	.037	.187	.108	.035		
2.0	.221	.121	.037	.215	.118	.036	.204	.113	.035	.194	.109	.034	.184	.104	.033		
3.0	.209	.111	.033	.204	.109	.033	.194	.105	.032	.185	.101	.031	.177	.098	.030		
4.0	.197	.102	.030	.192	.101	.030	.184	.097	.029	.176	.094	.028	.169	.092	.028		
5.0	.185	.094	.027	.181	.093	.027	.174	.090	.027	.167	.088	.026	.160	.086	.026		
6.0	.174	.087	.025	.171	.086	.025	.164	.084	.024	.158	.082	.024	.152	.080	.024		
7.0	.164	.081	.023	.161	.080	.023	.155	.079	.023	.150	.077	.022	.145	.075	.022		
8.0	.155	.076	.021	.153	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021		
9.0	.147	.071	.020	.145	.070	.020	.140	.069	.020	.135	.068	.019	.131	.067	.019		
10.0	.140	.067	.019	.137	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.018		

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	.176	.158	.142	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.108	.140	.115	.093	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.154	.115	.084	.132	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.145	.101	.067	.124	.087	.058	.085	.061	.041	.049	.036	.024	.016	.012	.008	
5.0	.137	.090	.055	.118	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.123	.074	.039	.106	.064	.034	.073	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.117	.068	.034	.101	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.112	.063	.029	.096	.054	.026	.067	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.107	.058	.026	.092	.051	.023	.064	.036	.016	.037	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 15 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.6%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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	26.2	27.4	26.5	27.6	27.8	26.3	27.5	26.5	27.6	27.8	
	3H	26.7	27.8	26.9	28.0	28.2	26.7	27.8	27.0	28.0	28.2
	4H	26.8	27.8	27.1	28.1	28.3	26.8	27.9	27.1	28.1	28.3
	6H	26.8	27.8	27.1	28.1	28.3	26.8	27.8	27.1	28.1	28.3
	8H	26.8	27.8	27.1	28.0	28.3	26.8	27.8	27.1	28.0	28.3
	12H	26.8	27.7	27.1	28.0	28.3	26.8	27.7	27.1	28.0	28.3
4H	2H	26.4	27.5	26.7	27.7	27.9	26.4	27.5	26.7	27.7	28.0
	3H	27.0	27.9	27.3	28.2	28.5	27.0	27.9	27.3	28.2	28.5
	4H	27.2	28.0	27.5	28.3	28.6	27.2	28.0	27.5	28.3	28.6
	6H	27.2	28.0	27.6	28.3	28.7	27.3	28.0	27.6	28.3	28.7
	8H	27.3	27.9	27.7	28.3	28.7	27.3	27.9	27.7	28.3	28.7
	12H	27.3	27.9	27.7	28.3	28.7	27.3	27.9	27.7	28.3	28.7
8H	4H	27.2	27.8	27.6	28.2	28.6	27.2	27.9	27.6	28.2	28.6
	6H	27.3	27.9	27.7	28.3	28.7	27.3	27.9	27.7	28.3	28.7
	8H	27.3	27.8	27.8	28.3	28.7	27.3	27.8	27.8	28.3	28.7
	12H	27.4	27.8	27.8	28.2	28.7	27.4	27.8	27.8	28.2	28.7
12H	4H	27.1	27.7	27.5	28.1	28.5	27.1	27.8	27.6	28.1	28.5
	6H	27.3	27.8	27.7	28.2	28.6	27.3	27.8	27.7	28.2	28.7
	8H	27.3	27.8	27.8	28.2	28.7	27.3	27.8	27.8	28.2	28.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9					
1.5H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					
2.0H	+ 1.4 / - 1.3					+ 1.4 / - 1.4					

CIE Pub.117, 2452 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 3.1$ )  
Area: 0.00708462 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

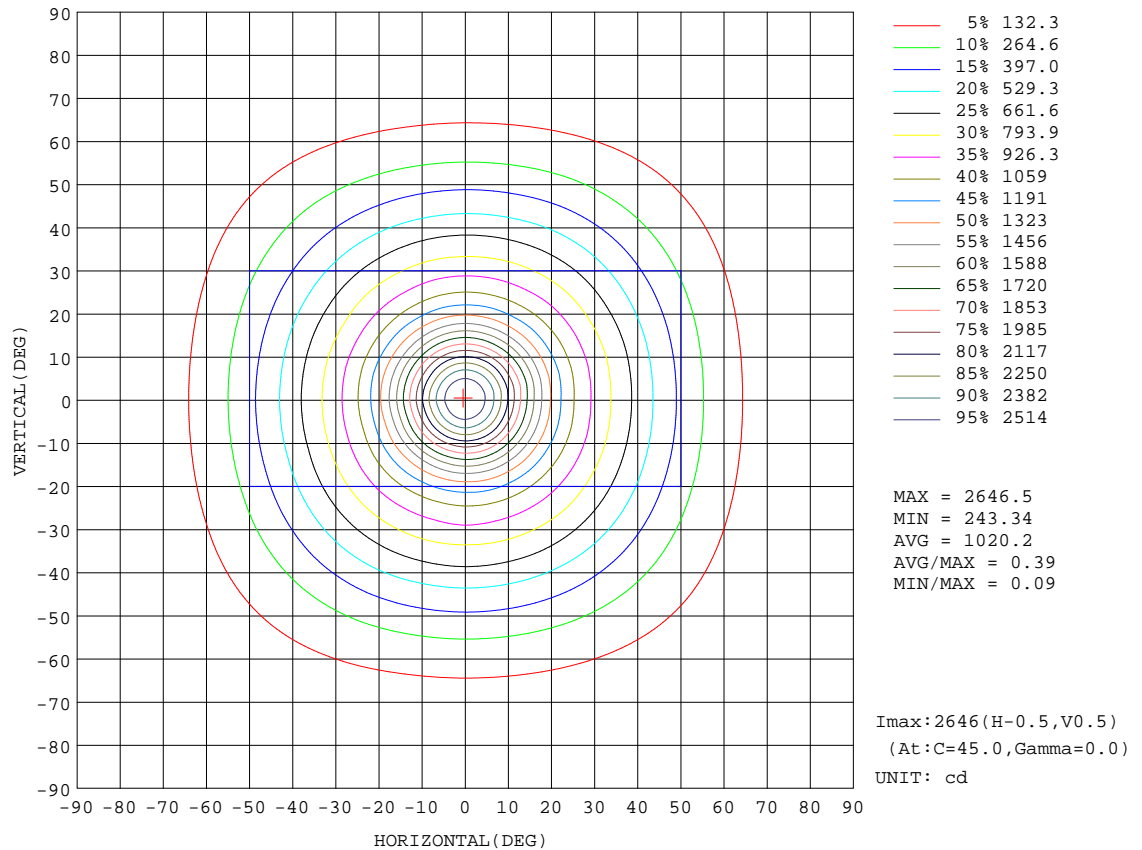
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	61	56	70	61	56	69	61	56	51
0.80	80	71	66	79	71	65	78	70	65	60
1.00	87	79	74	86	78	73	84	79	73	67
1.25	93	86	80	92	85	80	90	84	79	73
1.50	97	90	85	96	89	85	93	88	83	77
2.00	102	96	91	101	95	91	98	93	89	83
2.50	105	99	95	103	98	94	100	96	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	109	106	110	107	104	105	103	101	93
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: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.6%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



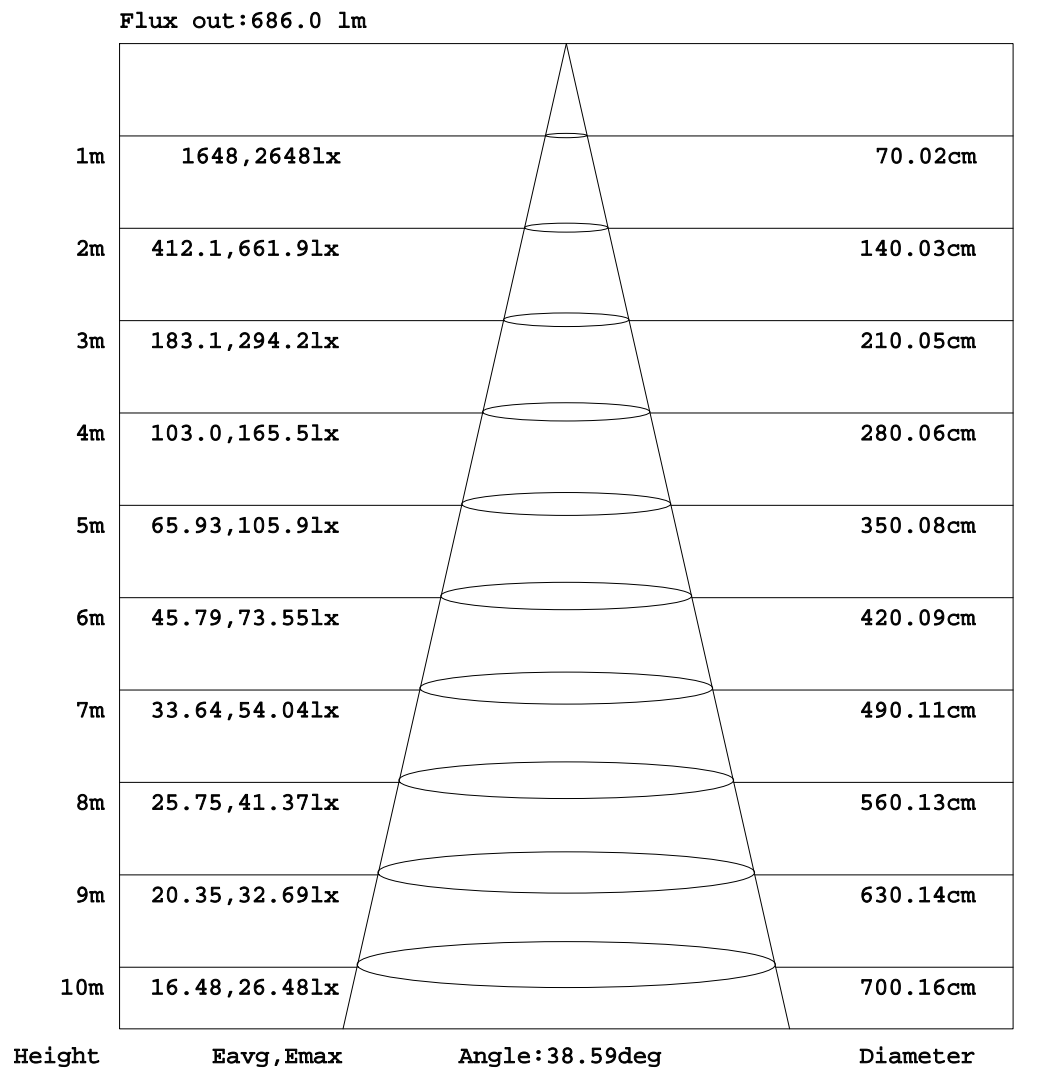
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.6%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



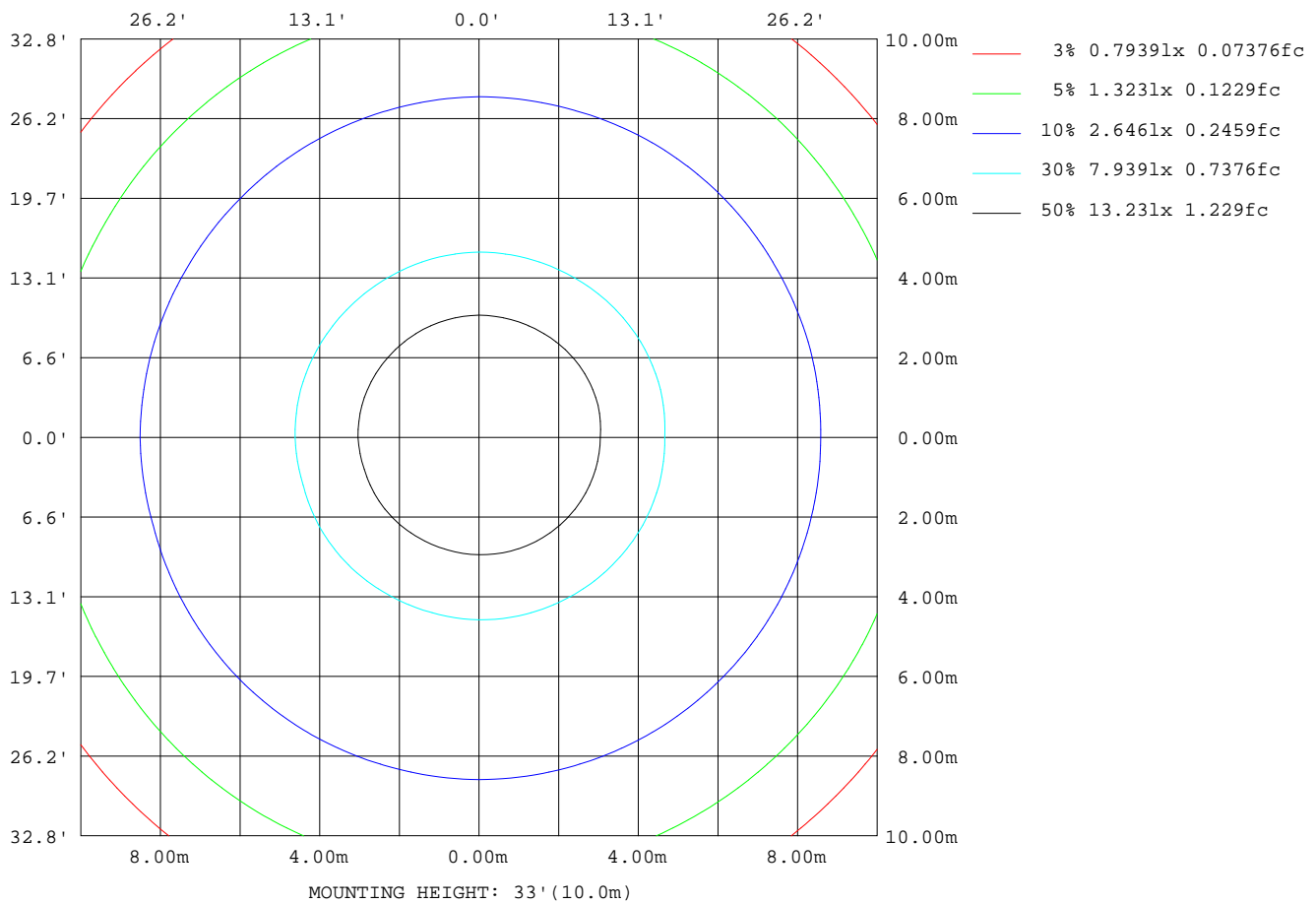
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date:15 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.6%  
 Test Distance:2.500m [K=1.0461]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

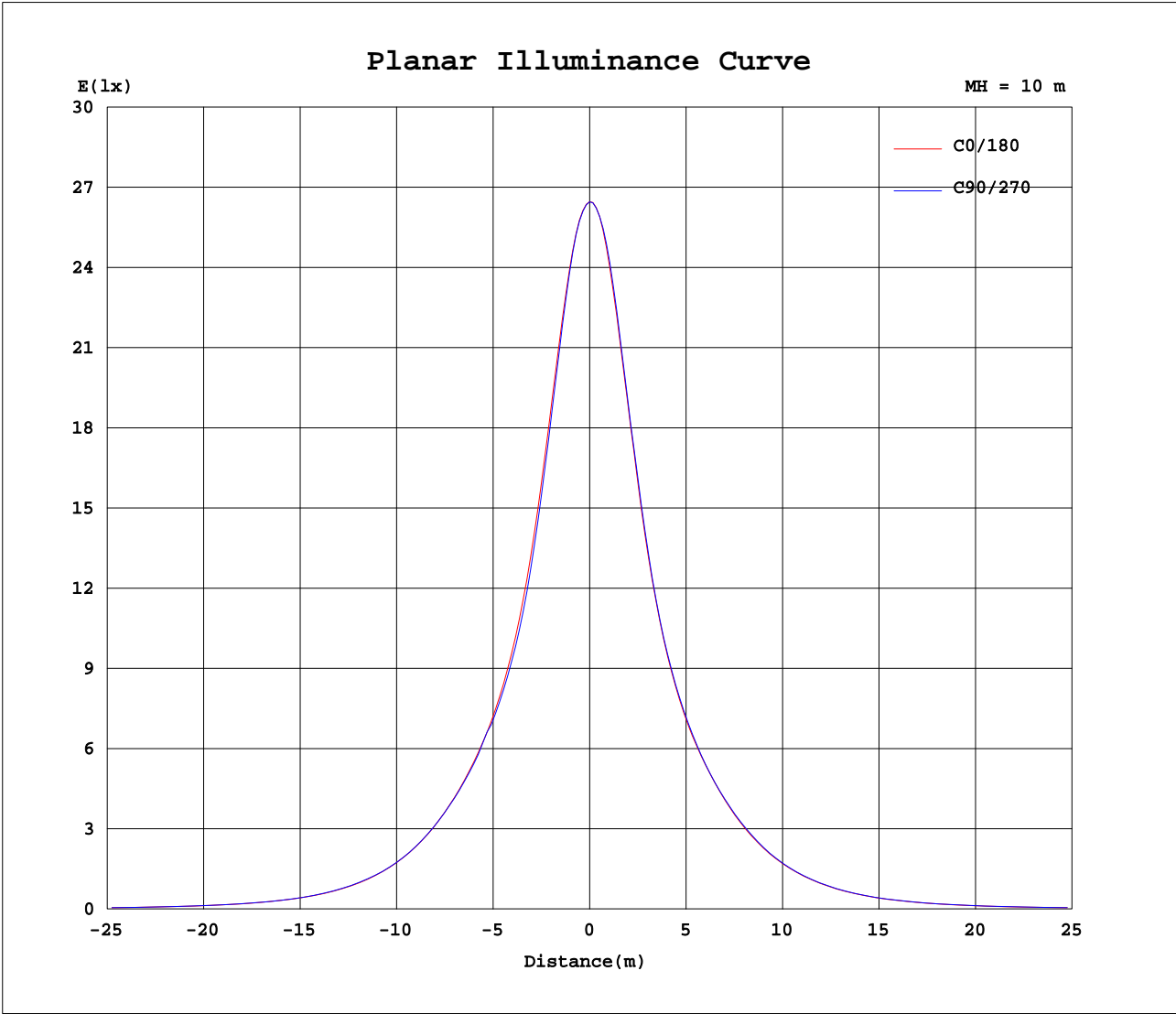
AvgL	cd/m2
L_0~180(65)av	41344
L_0~180(75)av	24709
L_0~180(85)av	15886
L_90~270(65)av	41925
L_90~270(75)av	24642
L_90~270(85)av	14534
L_45(65)av	41549
L_45(75)av	24679
L_45(85)av	15147

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
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: 15 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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	2646	2646	2647	2648	2647	2646	2646	2646	2646	2645	2646	2646	2646	2646	2647	2648	2647	2646	2646
5	2491	2488	2486	2484	2479	2481	2483	2484	2483	2484	2486	2488	2502	2502	2506	2509	2512	2516	2516
10	2103	2093	2084	2084	2077	2070	2066	2060	2066	2070	2076	2086	2108	2109	2106	2113	2121	2127	2125
15	1663	1653	1646	1638	1629	1619	1611	1605	1608	1621	1630	1636	1663	1669	1668	1666	1670	1675	1681
20	1307	1305	1297	1290	1276	1270	1259	1257	1260	1271	1279	1280	1299	1306	1302	1302	1300	1305	1306
25	1067	1070	1066	1057	1050	1045	1041	1034	1035	1042	1045	1039	1052	1057	1054	1050	1051	1056	1062
30	901	903	900	899	894	894	890	887	886	886	882	881	884	884	876	881	880	887	889
35	759	760	757	760	757	756	756	754	752	749	744	740	744	742	737	740	740	747	749
40	623	623	624	623	624	623	624	621	619	616	610	603	609	607	604	604	608	611	617
45	492	493	493	493	493	494	494	490	490	487	480	477	481	480	476	477	480	483	487
50	373	373	374	374	376	377	378	376	374	370	365	362	367	365	362	364	365	368	371
55	269	269	271	271	271	272	272	270	270	266	263	261	264	264	263	265	265	266	269
60	187	187	188	187	187	188	189	187	187	186	183	182	183	183	183	183	182	184	186
65	125	124	125	124	125	126	126	125	125	125	123	121	123	122	122	122	122	123	125
70	79.0	78.4	78.3	77.8	78.8	79.1	79.3	78.8	79.2	78.0	77.0	76.4	77.9	77.2	77.1	77.5	78.0	78.6	79.0
75	45.1	44.7	44.5	44.7	44.9	44.8	44.5	44.7	45.2	44.9	44.6	44.4	45.5	45.3	45.3	45.4	45.8	45.7	45.8
80	23.4	23.3	23.0	23.0	22.7	22.3	22.1	22.4	22.8	22.8	23.1	23.3	24.1	24.2	24.1	24.1	23.9	23.6	23.5
85	9.62	9.23	8.83	9.01	8.96	8.71	8.43	8.83	8.99	8.97	9.09	9.56	9.99	9.69	9.50	9.74	9.89	9.70	9.52
90	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.07	0.08
95	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.09	0.09	0.09	0.09	0.09	0.09	0.09
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
105	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.16	0.16	0.16	0.16	0.16	0.16	0.16
110	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.19	0.19	0.19	0.19	0.19	0.19	0.19
115	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.22	0.22	0.23	0.23	0.23	0.23	0.23
120	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.28	0.28	0.28	0.28	0.28	0.28	0.28
125	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.37	0.37	0.37	0.38	0.37	0.37	0.37
130	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.50	0.50	0.50	0.50	0.50	0.50	0.50
135	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.66	0.66	0.66	0.67	0.66	0.66	0.66
140	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.89	0.88	0.88	0.89	0.88	0.88	0.88
145	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	1.20	1.20	1.19	1.19	1.19	1.19	1.19
150	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.91	1.51	1.51	1.51	1.51	1.51	1.50	1.50
155	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.76	1.76	1.76	1.76	1.76	1.76	1.76
160	1.16	1.16	1.16	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.18	1.94	1.94	1.94	1.94	1.94	1.94	1.94
165	1.22	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.97	1.97	1.97	1.97	1.97	1.97	1.97
170	1.26	1.26	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.84	1.84	1.84	1.84	1.83	1.83	1.83
175	1.35	1.36	1.36	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.36	1.36	1.68	1.68	1.68	1.68	1.68	1.67	1.67
180	1.53	1.52	1.52	1.52	1.51	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.51	1.51	1.50

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 15 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

Humidity: 41.6%

Test Distance: 2.500m [K=1.0461]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1604A P:18.94W PF:0.9843 Freq:60.00Hz Lamp Flux:2451.84x1 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	2646	2646	2645	2646	2646													
5	2514	2510	2506	2503	2501													
10	2130	2134	2134	2127	2125													
15	1680	1681	1692	1697	1695													
20	1307	1311	1322	1329	1328													
25	1062	1066	1076	1082	1082													
30	893	895	905	907	910													
35	752	756	761	761	766													
40	617	622	624	624	627													
45	486	492	494	493	494													
50	371	375	376	376	377													
55	270	272	270	271	272													
60	188	188	188	188	188													
65	125	126	126	126	126													
70	79.5	79.8	79.8	79.5	79.8													
75	46.2	46.3	46.0	46.0	46.3													
80	23.8	24.0	23.8	23.9	24.0													
85	9.84	10.0	9.69	9.75	10.1													
90	0.08	0.08	0.08	0.07	0.07													
95	0.09	0.09	0.09	0.09	0.09													
100	0.12	0.12	0.12	0.12	0.12													
105	0.16	0.16	0.16	0.16	0.16													
110	0.19	0.19	0.19	0.18	0.18													
115	0.23	0.23	0.22	0.22	0.22													
120	0.28	0.28	0.28	0.28	0.28													
125	0.37	0.37	0.37	0.37	0.37													
130	0.50	0.50	0.50	0.50	0.49													
135	0.66	0.66	0.66	0.65	0.65													
140	0.88	0.88	0.88	0.87	0.88													
145	1.19	1.19	1.19	1.19	1.19													
150	1.50	1.51	1.51	1.50	1.50													
155	1.76	1.76	1.76	1.76	1.76													
160	1.95	1.95	1.95	1.95	1.95													
165	1.97	1.98	1.98	1.98	1.98													
170	1.83	1.84	1.84	1.85	1.85													
175	1.67	1.68	1.68	1.69	1.69													
180	1.50	1.51	1.51	1.52	1.52													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 15 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

Humidity: 41.6%

Test Distance: 2.500m [K=1.0461]

Remarks: