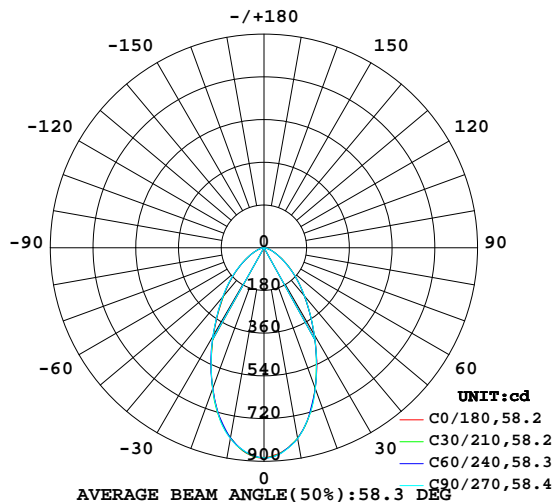


## LUMINAIRE PHOTOMETRIC TEST REPORT

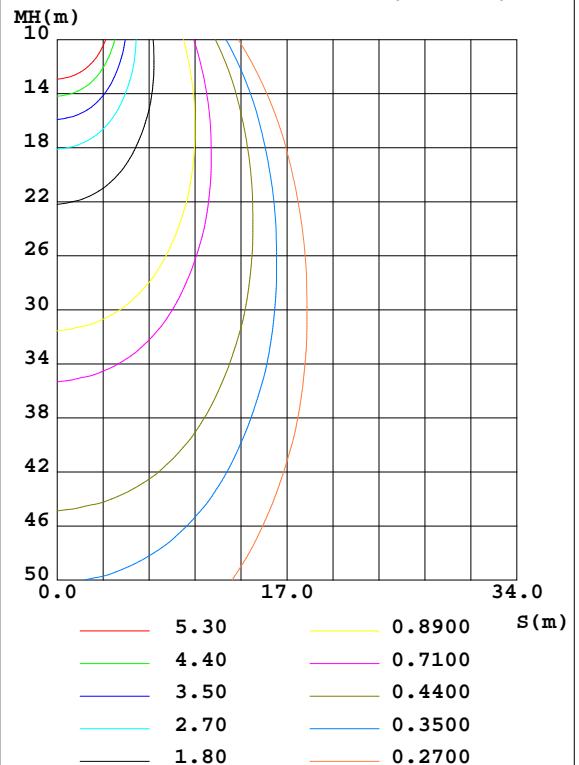
Test:U:120.0V I:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.56 lm/W			
CYLINDRICAL	MODEL: UNHD8SC2R3BZP Middle	Imax(cd)	886.9	S/MH(C0/180)	0.85
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.85
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	1076.5	$\eta$ UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	1076.52	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,50.2
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.9	CIBSE SHR MAX	0.95

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
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	815.4	817.3	816.9	812.0	815.6	813.9	816.5	817.0	0- 10	81.03	81.03	7.53,7.53
20	631.2	631.9	633.3	623.7	630.5	633.7	631.9	632.3	10- 20	204.2	285.2	26.5,26.5
30	425.0	421.5	424.8	420.5	426.7	428.1	430.1	428.5	20- 30	240.8	526.0	48.9,48.9
40	265.3	263.5	266.3	265.0	266.1	268.7	270.9	270.7	30- 40	212.6	738.6	68.6,68.6
50	155.5	152.8	153.2	152.8	154.0	154.8	157.3	156.8	40- 50	160.0	898.6	83.5,83.5
60	76.11	74.97	74.40	74.43	75.42	76.25	76.43	77.88	50- 60	100.0	998.6	92.8,92.8
70	32.34	31.86	31.80	31.69	32.06	32.03	32.02	32.76	60- 70	50.84	1049	97.5,97.5
80	10.50	10.45	10.68	10.29	10.22	10.16	10.61	10.67	70- 80	20.89	1070	99.4,99.4
90	0.0173	0.0155	0.0146	0.0147	0.0269	0.0269	0.0282	0.0278	80- 90	4.885	1075	99.9,99.9
100	0.0234	0.0237	0.0240	0.0237	0.0504	0.0497	0.0504	0.0494	90-100	0.0302	1075	99.9,99.9
110	0.0414	0.0417	0.0427	0.0430	0.0772	0.0766	0.0756	0.0750	100-110	0.0510	1075	99.9,99.9
120	0.0809	0.0806	0.0815	0.0816	0.1200	0.1203	0.1193	0.1188	110-120	0.0759	1075	99.9,99.9
130	0.1552	0.1556	0.1572	0.1576	0.2265	0.2253	0.2245	0.2228	120-130	0.1253	1076	99.9,99.9
140	0.2618	0.2634	0.2659	0.2659	0.3998	0.3990	0.3966	0.3958	130-140	0.1977	1076	99.9,99.9
150	0.3884	0.3902	0.3930	0.3921	0.6436	0.6434	0.6414	0.6393	140-150	0.2643	1076	100,100
160	0.5170	0.5187	0.5221	0.5217	0.8175	0.8148	0.8130	0.8124	150-160	0.2755	1076	100,100
170	0.5785	0.5829	0.5858	0.5807	0.8071	0.8050	0.8033	0.8015	160-170	0.1962	1076	100,100
180	0.7149	0.7095	0.7121	0.7123	0.7085	0.7051	0.7017	0.6993	170-180	0.0659	1077	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 825.94 lm

%lum = 76.7%

%lamp = 76.7%

Conical surface Flux(120deg): 998.62 lm

%lum = 92.8%

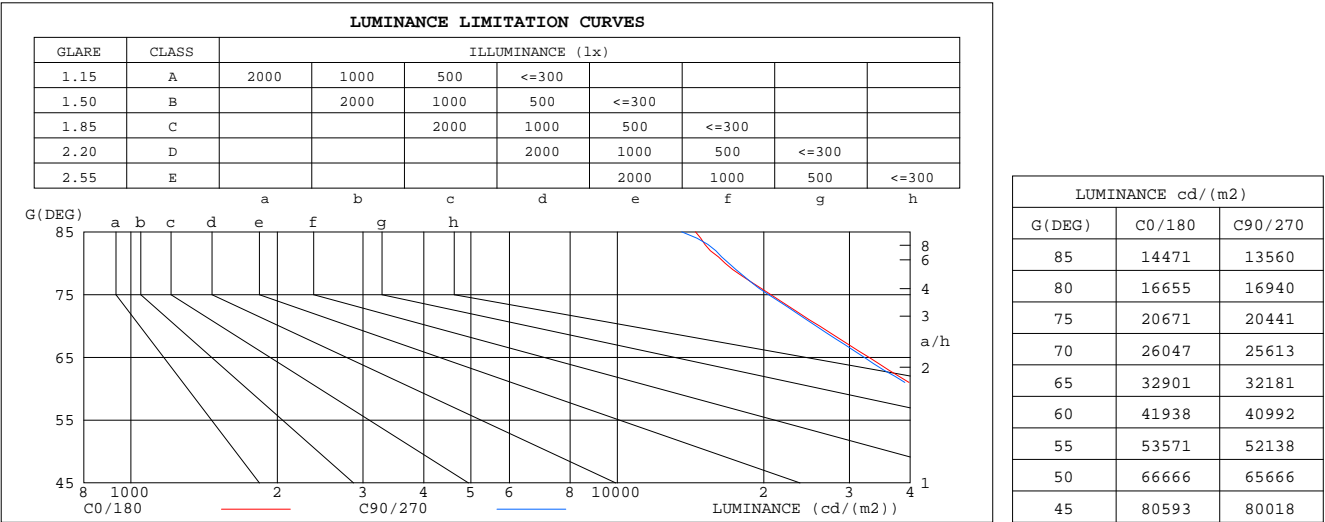
%lamp = 92.8%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



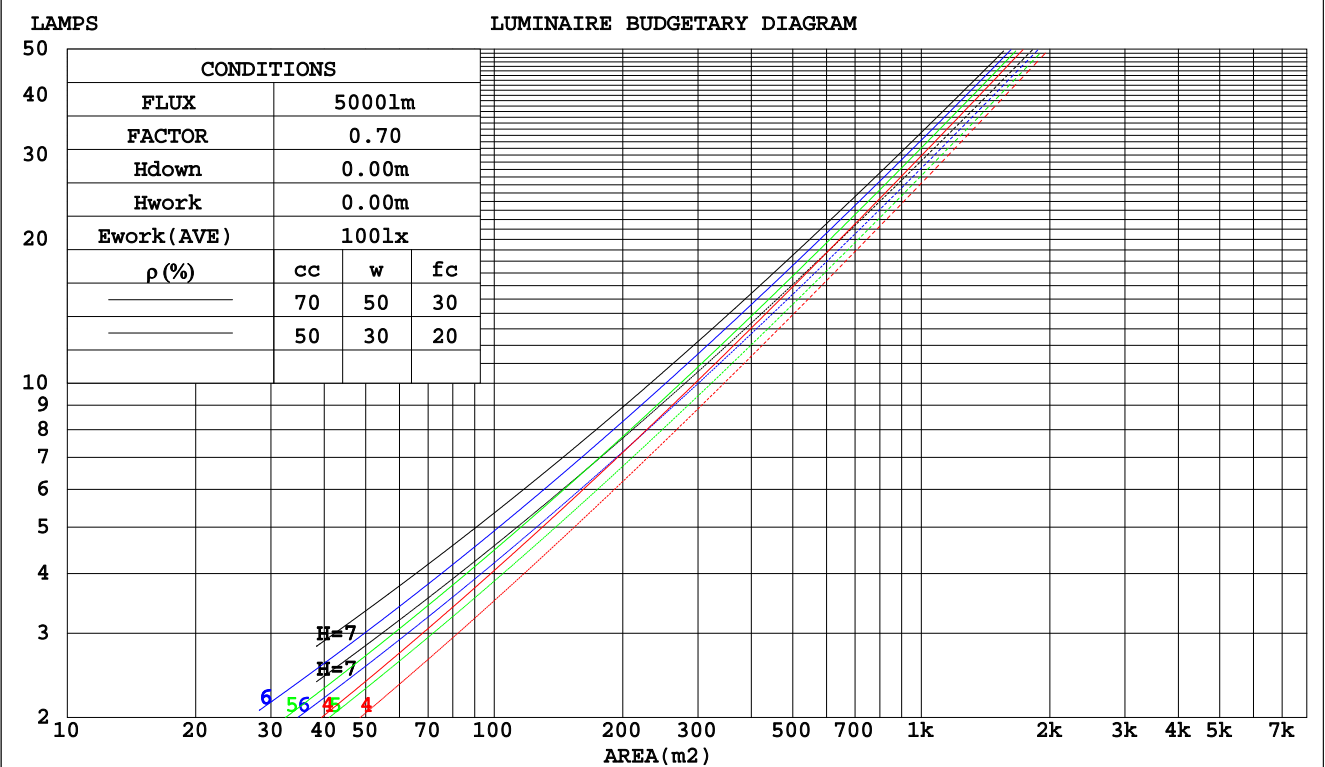
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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: 25.1DEG  
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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.228	.130	.041	.221	.126	.040	.208	.120	.038	.196	.113	.036	.186	.108	.035		
2.0	.220	.120	.037	.214	.118	.036	.203	.113	.035	.193	.108	.034	.183	.104	.033		
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.176	.098	.030		
4.0	.196	.102	.030	.192	.100	.030	.183	.097	.029	.175	.094	.028	.168	.091	.028		
5.0	.185	.094	.027	.181	.093	.027	.173	.090	.027	.166	.088	.026	.160	.085	.026		
6.0	.174	.087	.025	.171	.086	.025	.164	.084	.024	.158	.082	.024	.152	.080	.024		
7.0	.165	.081	.023	.161	.080	.023	.156	.079	.023	.150	.077	.022	.145	.075	.022		
8.0	.156	.076	.021	.153	.075	.021	.148	.074	.021	.143	.072	.021	.138	.071	.021		
9.0	.148	.071	.020	.145	.071	.020	.140	.069	.020	.136	.068	.019	.132	.067	.019		
10.0	.140	.067	.019	.138	.067	.019	.134	.065	.018	.130	.064	.018	.126	.063	.018		

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						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	.153	.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	.118	.068	.033	.101	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.112	.063	.029	.097	.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: 25.1DEG  
 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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	25.3	26.5	25.6	26.7	26.9	25.3	26.5	25.5	26.7	26.8
3H	25.7	26.8	26.0	27.1	27.3	25.7	26.8	26.0	27.0	27.2
4H	25.9	26.9	26.1	27.1	27.4	25.8	26.8	26.1	27.1	27.3
6H	25.9	26.9	26.2	27.1	27.4	25.9	26.8	26.2	27.1	27.4
8H	25.9	26.9	26.2	27.1	27.4	25.9	26.8	26.2	27.1	27.4
12H	25.9	26.8	26.2	27.1	27.4	25.8	26.8	26.2	27.0	27.3
4H 2H	25.5	26.5	25.8	26.8	27.0	25.4	26.5	25.7	26.7	27.0
3H	26.0	26.9	26.4	27.2	27.5	26.0	26.9	26.3	27.2	27.5
4H	26.2	27.0	26.6	27.3	27.7	26.2	27.0	26.5	27.3	27.6
6H	26.3	27.1	26.7	27.4	27.8	26.3	27.0	26.7	27.4	27.7
8H	26.4	27.0	26.8	27.4	27.8	26.3	27.0	26.7	27.4	27.7
12H	26.4	27.0	26.8	27.4	27.8	26.3	27.0	26.8	27.3	27.7
8H 4H	26.2	26.9	26.6	27.3	27.6	26.2	26.9	26.6	27.2	27.6
6H	26.4	27.0	26.8	27.4	27.8	26.4	26.9	26.8	27.3	27.7
8H	26.5	27.0	26.9	27.4	27.8	26.4	26.9	26.9	27.4	27.8
12H	26.5	26.9	27.0	27.4	27.9	26.5	26.9	27.0	27.4	27.8
12H 4H	26.2	26.8	26.6	27.2	27.6	26.1	26.8	26.6	27.1	27.5
6H	26.4	26.9	26.8	27.3	27.7	26.4	26.8	26.8	27.3	27.7
8H	26.5	26.9	26.9	27.3	27.8	26.4	26.9	26.9	27.3	27.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9				
1.5H	+ 0.5 / - 0.4					+ 0.5 / - 0.4				
2.0H	+ 1.5 / - 1.4					+ 1.5 / - 1.4				

CIE Pub.117, 1077 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.3$ )  
Area: 0.00362984 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

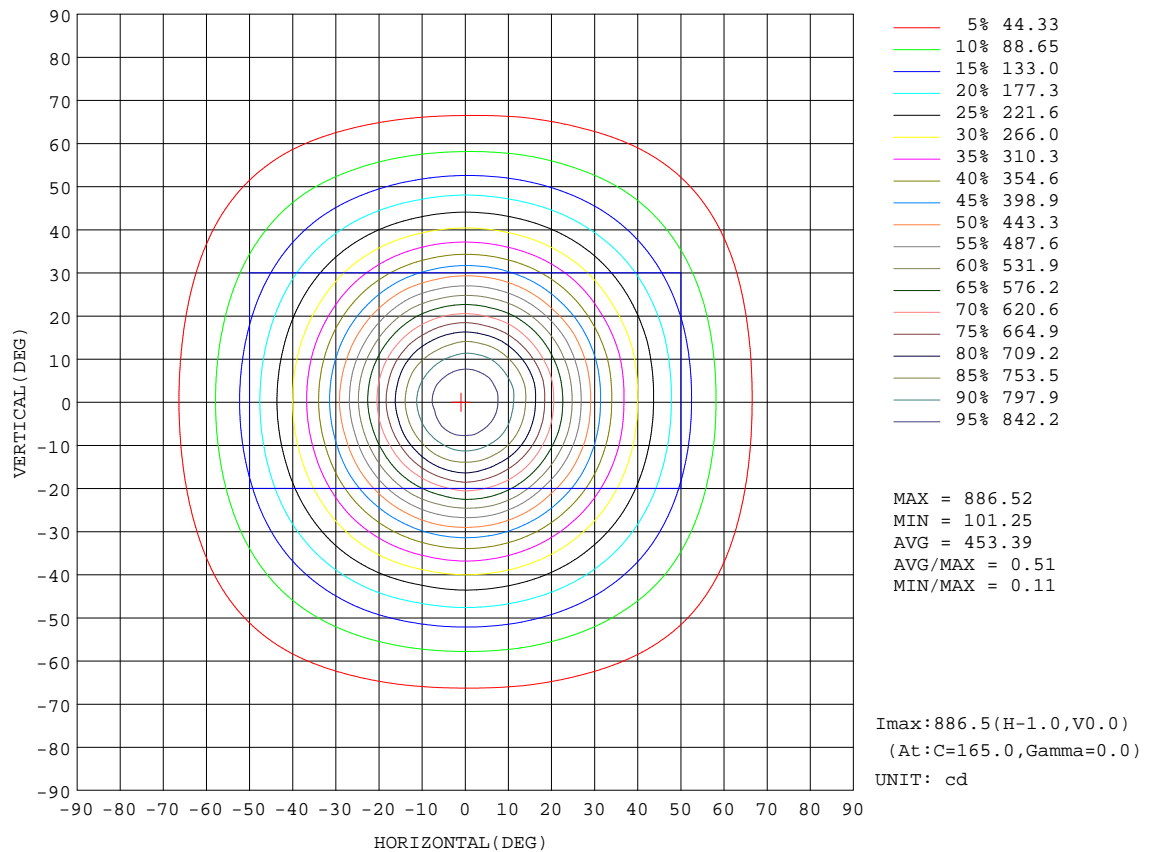
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	79	71	66	61
1.00	88	80	75	87	79	74	85	80	74	68
1.25	94	86	81	93	86	81	90	84	80	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	97	92	101	95	91	98	93	90	83
2.50	105	100	95	103	98	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	88
4.00	110	106	103	108	105	102	104	101	99	91
5.00	112	109	106	110	107	104	106	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: 25.1DEG  
 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



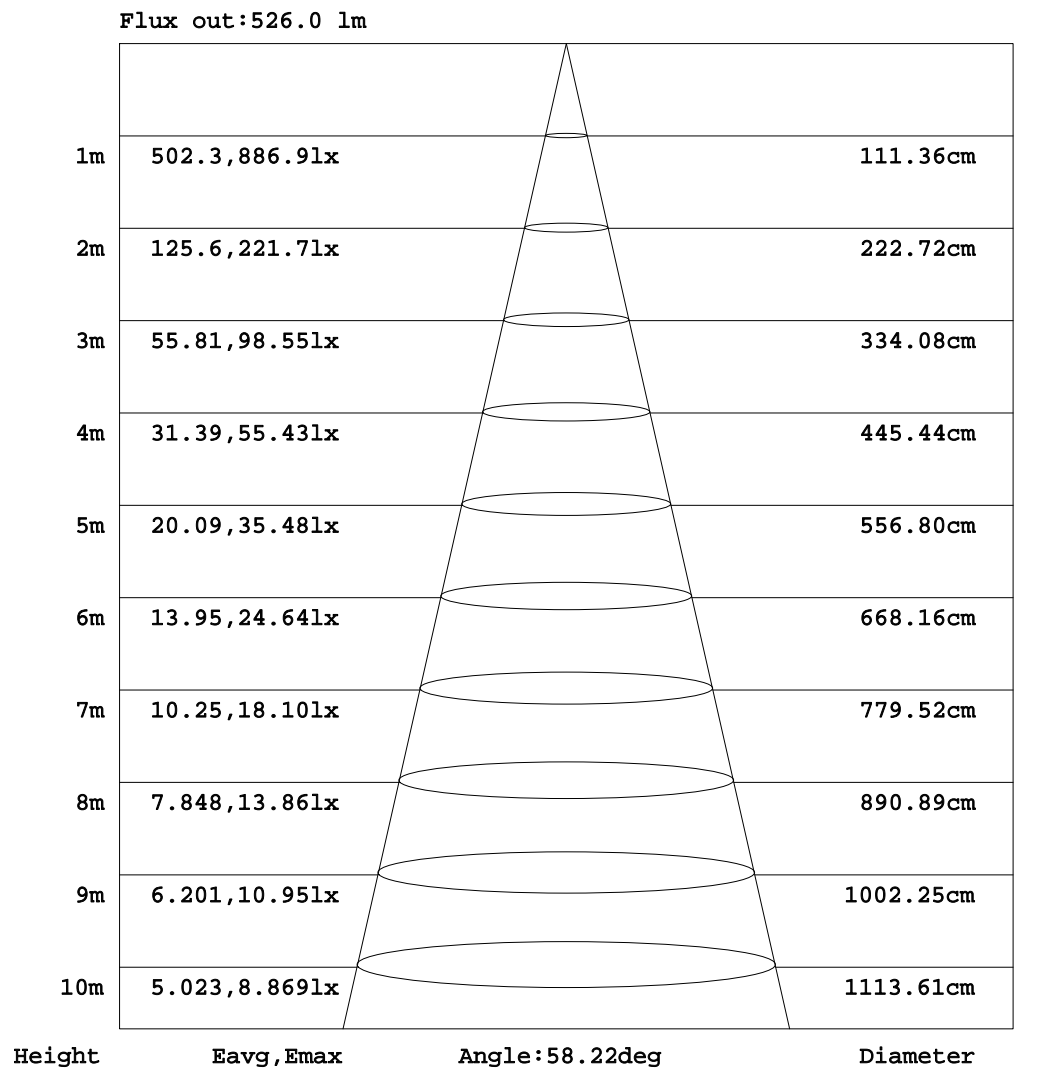
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



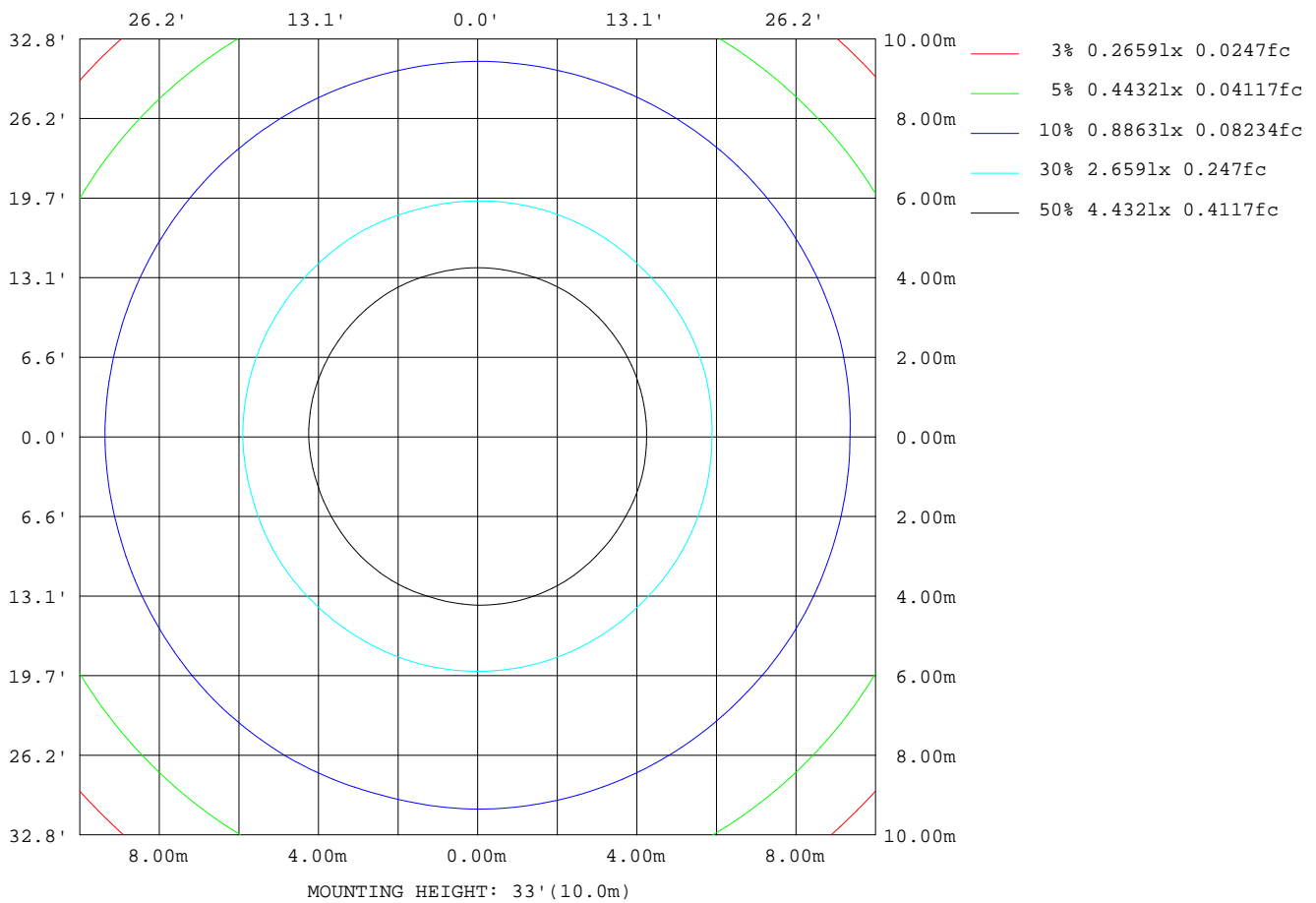
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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: 25.1DEG  
 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

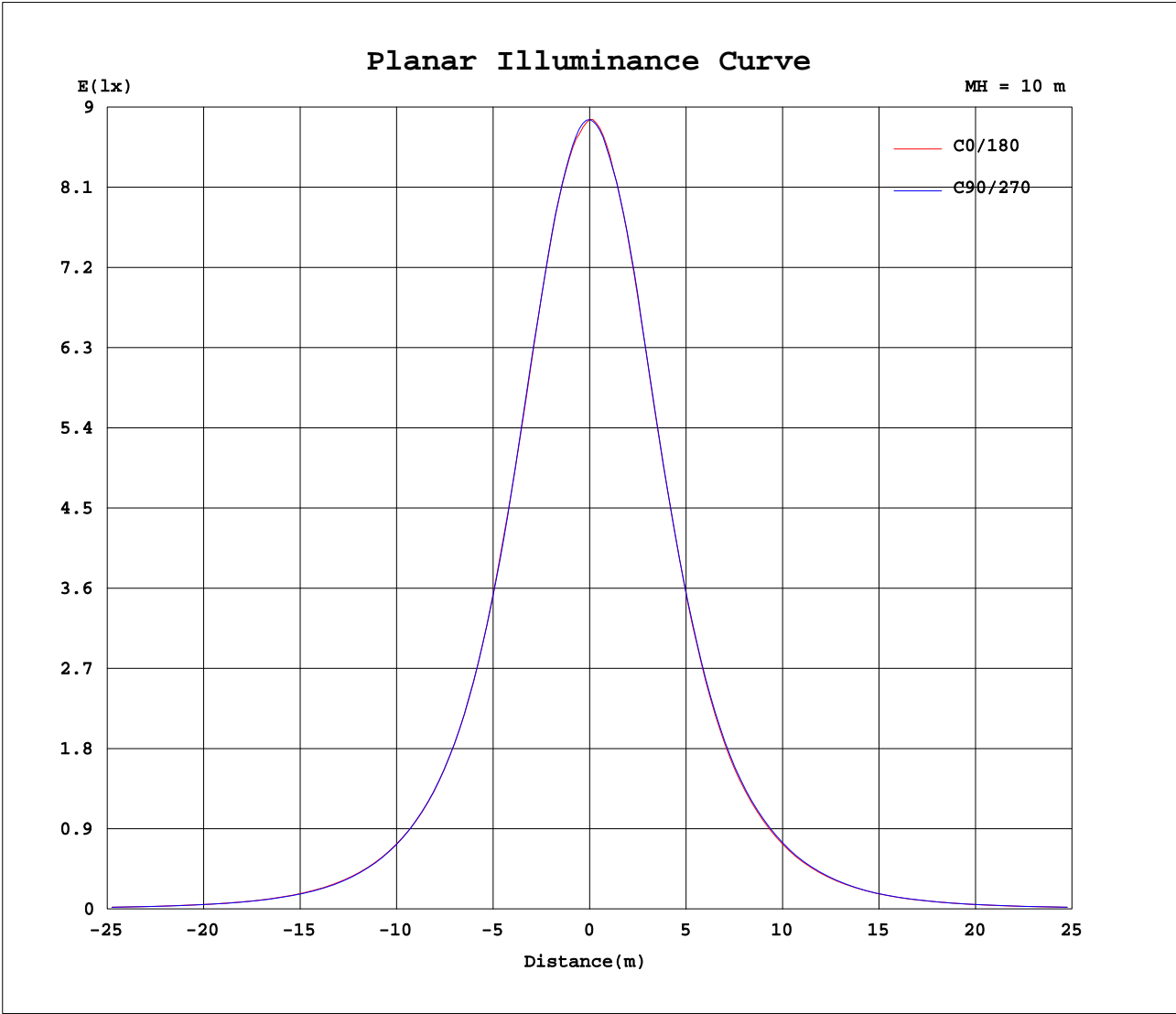
AvgL	cd/m2
L_0~180(65)av	32774
L_0~180(75)av	20540
L_0~180(85)av	14164
L_90~270(65)av	32522
L_90~270(75)av	20486
L_90~270(85)av	13732
L_45(65)av	32866
L_45(75)av	20486
L_45(85)av	13838

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
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: 25.1DEG  
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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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	886	883	884	885	886	886	886	887	884	884	885	887	886	883	884	885	886	886	886
5	864	865	865	866	867	865	867	868	868	867	866	866	868	868	867	866	866	864	864
10	815	812	815	817	817	816	817	817	813	812	814	814	816	813	813	814	813	813	817
15	734	734	735	736	733	733	735	735	733	730	730	731	733	733	736	735	732	731	735
20	631	630	629	632	631	631	633	626	624	624	622	626	631	632	634	634	632	632	632
25	527	526	522	520	525	526	523	521	522	520	518	520	527	529	526	528	530	526	527
30	425	424	423	422	423	425	425	424	421	420	422	421	427	427	428	428	430	428	430
35	338	337	337	335	337	337	338	336	336	337	336	335	338	340	341	342	343	342	343
40	265	265	264	263	265	266	266	264	266	265	263	264	266	267	266	269	270	270	271
45	207	205	205	204	204	204	205	204	206	206	205	204	206	206	207	209	209	209	211
50	156	154	153	153	152	153	153	153	154	153	153	153	154	154	154	155	155	156	157
55	112	111	111	109	109	109	109	109	110	109	110	109	110	110	110	111	111	110	111
60	76.1	75.8	75.5	75.0	74.9	75.3	74.4	75.0	74.3	74.4	74.3	74.2	75.4	75.4	75.3	76.2	75.6	76.1	76.4
65	50.5	50.5	50.3	50.0	49.8	50.1	49.4	49.9	49.5	49.6	49.2	49.1	50.1	49.9	49.9	50.5	50.2	50.2	50.4
70	32.3	32.0	32.0	31.9	31.9	32.1	31.8	31.7	31.7	31.7	31.4	31.2	32.1	31.4	31.7	32.0	31.9	32.0	32.0
75	19.4	19.1	19.1	19.1	19.1	19.1	19.2	19.0	19.2	19.0	18.7	18.4	19.2	18.7	18.9	19.0	19.1	19.2	19.3
80	10.5	10.3	10.3	10.5	10.5	10.6	10.7	10.5	10.6	10.3	10.0	9.91	10.2	10.0	10.0	10.2	10.3	10.4	10.6
85	4.58	4.47	4.34	4.42	4.53	4.47	4.29	4.15	4.17	4.11	3.98	3.88	4.38	4.29	4.20	4.32	4.51	4.48	4.40
90	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.05	0.05	0.05	0.05	0.05	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	0.07	0.07	0.07	0.07	0.06	0.06	0.07
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	0.08	0.08	0.08	0.08	0.08	0.08	0.08
115	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09	0.09	0.09	0.09	0.09	0.09
120	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.12	0.12	0.12	0.12	0.12	0.12
125	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.16	0.16	0.16	0.16	0.16	0.16	0.16
130	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.23	0.23	0.22	0.23	0.22	0.22	0.22
135	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.30	0.30	0.30	0.30	0.30	0.30	0.30
140	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.52	0.52	0.52	0.52	0.52	0.52	0.52
150	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.64	0.64	0.64	0.64	0.64	0.64	0.64
155	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.74	0.74	0.74	0.74	0.74	0.73	0.73
160	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.82	0.82	0.82	0.81	0.82	0.81	0.81
165	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.84	0.84	0.84	0.84	0.84	0.84	0.84
170	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.81	0.81	0.81	0.80	0.81	0.80	0.80
175	0.63	0.63	0.63	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.76	0.76	0.76	0.76	0.76	0.76	0.75
180	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.73	0.71	0.71	0.71	0.71	0.71	0.70	0.70

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1076.52x1 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	887	884	884	885	887													
5	865	867	866	866	865													
10	817	817	817	819	818													
15	735	739	739	740	742													
20	630	634	632	633	636													
25	528	532	532	532	530													
30	431	431	428	432	430													
35	343	344	344	342	343													
40	271	271	271	269	271													
45	210	210	210	210	211													
50	157	157	157	157	158													
55	113	112	113	113	114													
60	77.8	77.3	77.9	77.3	78.0													
65	51.7	51.1	51.6	51.6	51.8													
70	32.5	32.4	32.8	33.1	33.1													
75	19.2	19.7	19.9	20.0	20.0													
80	10.4	10.7	10.7	10.6	10.6													
85	4.39	4.60	4.67	4.63	4.65													
90	0.03	0.03	0.03	0.03	0.03													
95	0.04	0.04	0.04	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	0.08	0.08	0.08	0.07	0.08													
115	0.09	0.09	0.09	0.09	0.09													
120	0.12	0.12	0.12	0.12	0.12													
125	0.16	0.16	0.16	0.16	0.16													
130	0.22	0.22	0.22	0.22	0.22													
135	0.30	0.30	0.30	0.30	0.30													
140	0.40	0.40	0.40	0.40	0.40													
145	0.52	0.52	0.52	0.52	0.52													
150	0.64	0.64	0.64	0.64	0.64													
155	0.74	0.74	0.74	0.74	0.74													
160	0.81	0.82	0.81	0.81	0.82													
165	0.84	0.84	0.84	0.84	0.84													
170	0.80	0.80	0.80	0.80	0.81													
175	0.76	0.76	0.76	0.76	0.76													
180	0.70	0.70	0.70	0.70	0.71													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

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: