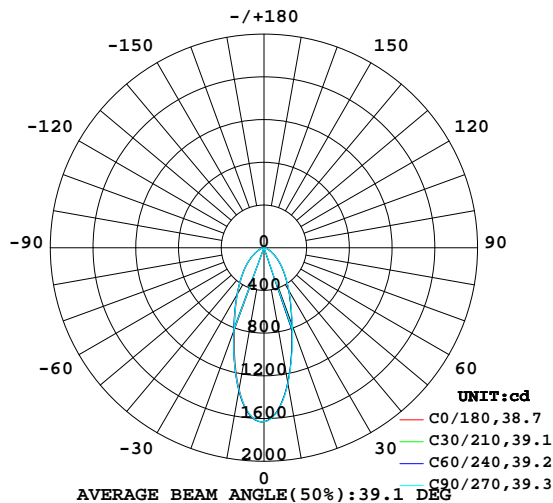


## LUMINAIRE PHOTOMETRIC TEST REPORT

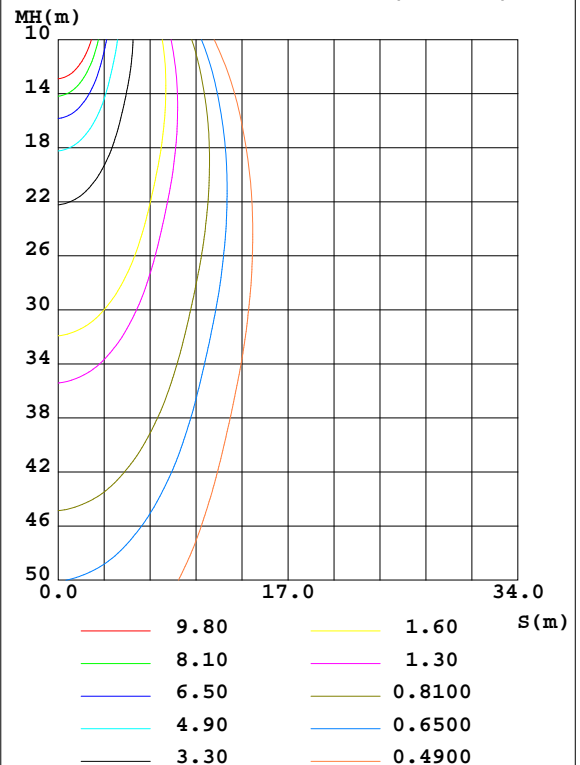
Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.85 lm/W			
MODEL	INDF5010UNHD8SC2R3BZP	I <sub>max</sub> (cd)	1633	S/MH(C0/180)	0.63
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	1323.2	η UP,DN(C0-180)	0.0,48.6
NOMINAL FLUX(lm)	1323.21	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.2
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η 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: 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: 10.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1288	1283	1292	1312	1345	1362	1353	1326	0- 10	140.2	140.2	10.6,10.6
20	768.0	764.6	777.5	783.5	811.1	833.4	823.9	793.8	10- 20	288.3	428.4	32.4,32.4
30	468.4	460.7	470.2	479.7	497.5	506.1	502.4	484.9	20- 30	284.6	713.0	53.9,53.9
40	285.2	279.7	286.3	293.2	302.7	309.2	307.0	298.0	30- 40	237.8	950.9	71.9,71.9
50	164.8	159.8	162.2	168.4	174.8	178.5	178.0	170.9	40- 50	176.1	1127	85.2,85.2
60	79.88	77.46	78.13	82.88	86.67	88.92	87.50	85.00	50- 60	109.8	1237	93.5,93.5
70	33.89	32.83	33.40	35.26	37.43	38.24	37.23	36.09	60- 70	56.03	1293	97.7,97.7
80	10.98	10.69	11.23	11.65	12.34	12.71	12.74	11.89	70- 80	23.28	1316	99.5,99.5
90	0.0180	0.0187	0.0196	0.0187	0.0351	0.0876	0.0576	0.0335	80- 90	5.552	1322	99.9,99.9
100	0.0297	0.0297	0.0303	0.0287	0.0557	0.0544	0.0557	0.0570	90-100	0.0365	1322	99.9,99.9
110	0.0509	0.0512	0.0508	0.0493	0.0838	0.0819	0.0832	0.0864	100-110	0.0583	1322	99.9,99.9
120	0.0944	0.0953	0.0953	0.0919	0.1321	0.1310	0.1318	0.1362	110-120	0.0861	1322	99.9,99.9
130	0.1834	0.1856	0.1849	0.1787	0.2561	0.2539	0.2562	0.2614	120-130	0.1429	1322	99.9,99.9
140	0.3299	0.3346	0.3327	0.3248	0.4918	0.4879	0.4919	0.5027	130-140	0.2363	1322	99.9,99.9
150	0.5228	0.5282	0.5292	0.5230	0.8894	0.8843	0.8869	0.9006	140-150	0.3484	1322	99.9,99.9
160	0.6895	0.6925	0.6971	0.6952	1.174	1.170	1.167	1.179	150-160	0.3844	1323	100,100
170	0.7444	0.7510	0.7580	0.7551	1.123	1.125	1.116	1.120	160-170	0.2709	1323	100,100
180	0.9134	0.9168	0.9118	0.9104	0.9122	0.9144	0.9084	0.9089	170-180	0.0874	1323	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1047.1 lm

%lum = 79.1%

%lamp = 79.1%

Conical surface Flux(120deg): 1236.7 lm

%lum = 93.5%

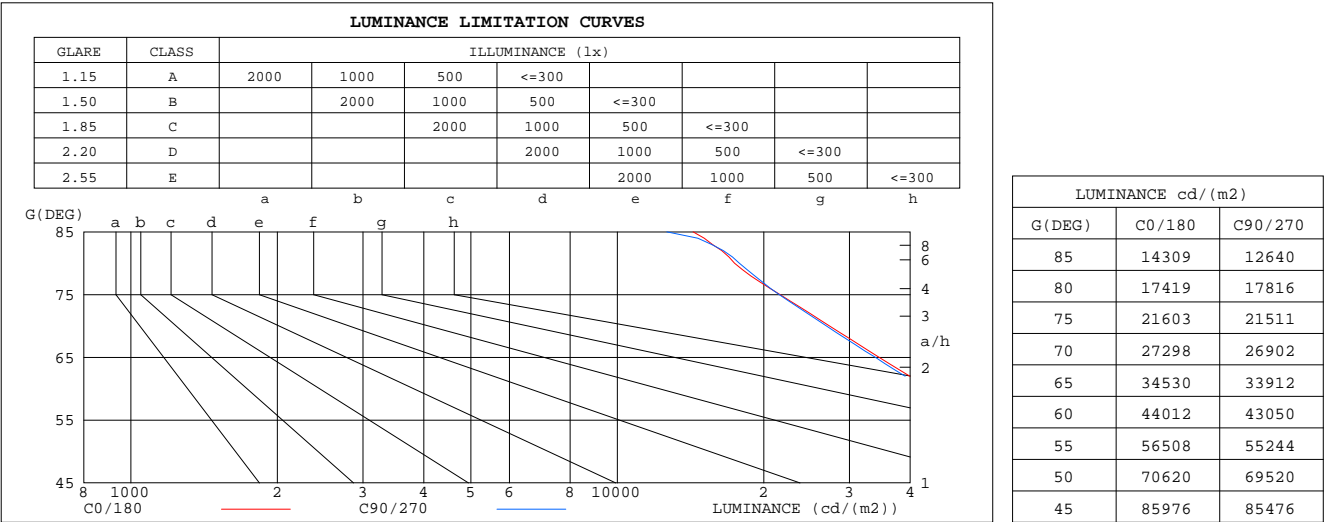
%lamp = 93.5%

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: 10.000m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



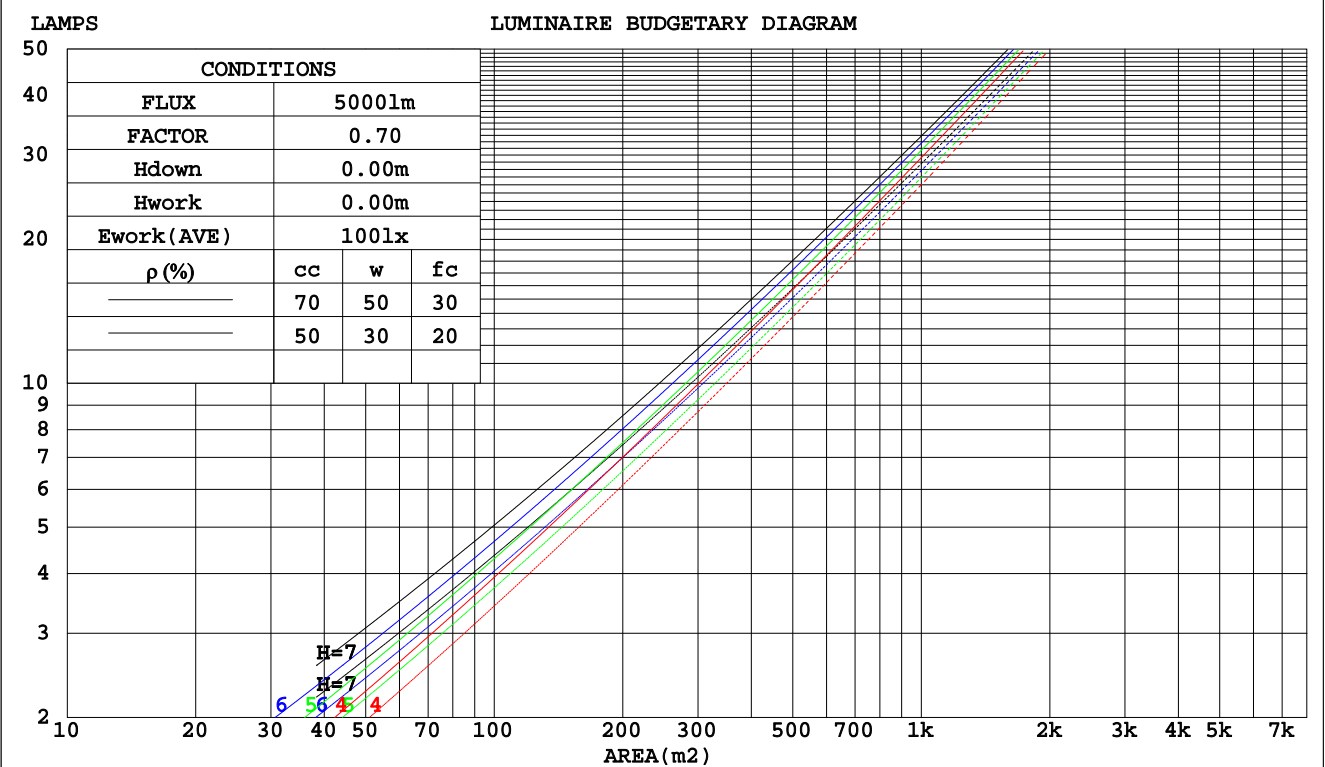
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:Alan Wang  
Test Date:22 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance:10.000m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 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: 10.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 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	.212	.121	.038	.199	.114	.036	.187	.108	.035	.176	.102	.033		
2.0	.210	.115	.035	.204	.112	.035	.193	.107	.033	.183	.103	.032	.173	.098	.031		
3.0	.198	.106	.032	.193	.104	.031	.184	.100	.030	.175	.096	.029	.167	.092	.029		
4.0	.187	.097	.029	.183	.096	.028	.174	.092	.028	.166	.089	.027	.159	.087	.026		
5.0	.176	.090	.026	.172	.088	.026	.165	.086	.025	.158	.083	.025	.152	.081	.024		
6.0	.166	.083	.024	.163	.082	.024	.156	.080	.023	.150	.078	.023	.144	.076	.023		
7.0	.157	.078	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	.138	.071	.021		
8.0	.148	.073	.020	.146	.072	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020		
9.0	.141	.068	.019	.138	.067	.019	.134	.066	.019	.129	.065	.019	.125	.064	.018		
10.0	.134	.064	.018	.132	.064	.018	.127	.062	.018	.123	.061	.017	.120	.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	.038	.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	.020	.015	.010	.007	
6.0	.127	.080	.047	.109	.070	.041	.075	.049	.029	.044	.029	.017	.014	.009	.006	
7.0	.121	.073	.040	.104	.063	.035	.072	.044	.025	.042	.026	.015	.013	.009	.005	
8.0	.115	.067	.034	.099	.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: 10.000m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 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	25.0	26.1	25.2	26.3	26.5	24.9	26.1	25.2	26.3	26.4	
	3H	25.4	26.4	25.7	26.7	26.9	25.3	26.4	25.6	26.6	26.8
	4H	25.5	26.5	25.8	26.7	27.0	25.5	26.5	25.7	26.7	26.9
	6H	25.6	26.5	25.9	26.7	27.0	25.5	26.4	25.8	26.7	27.0
	8H	25.6	26.5	25.9	26.7	27.0	25.5	26.4	25.8	26.7	27.0
	12H	25.5	26.4	25.9	26.7	27.0	25.5	26.4	25.8	26.6	26.9
4H	2H	25.1	26.1	25.4	26.4	26.6	25.1	26.1	25.4	26.3	26.6
	3H	25.7	26.5	26.0	26.8	27.1	25.6	26.5	26.0	26.8	27.1
	4H	25.8	26.6	26.2	26.9	27.3	25.8	26.6	26.2	26.9	27.2
	6H	26.0	26.6	26.3	27.0	27.3	25.9	26.6	26.3	27.0	27.3
	8H	26.0	26.6	26.4	27.0	27.4	26.0	26.6	26.4	27.0	27.3
	12H	26.0	26.6	26.4	27.0	27.4	26.0	26.6	26.4	26.9	27.3
8H	4H	25.8	26.5	26.3	26.9	27.2	25.8	26.5	26.2	26.8	27.2
	6H	26.0	26.5	26.5	26.9	27.4	26.0	26.5	26.4	26.9	27.3
	8H	26.1	26.5	26.5	27.0	27.4	26.1	26.5	26.5	27.0	27.4
	12H	26.1	26.5	26.6	27.0	27.4	26.1	26.5	26.6	26.9	27.4
12H	4H	25.8	26.4	26.2	26.8	27.2	25.8	26.4	26.2	26.7	27.1
	6H	26.0	26.5	26.5	26.9	27.3	26.0	26.4	26.4	26.9	27.3
	8H	26.1	26.5	26.6	26.9	27.4	26.1	26.5	26.5	26.9	27.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 1.0					+ 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, 1323 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.0$ )  
Area: 0.00362984 m<sup>2</sup>

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: 10.000m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

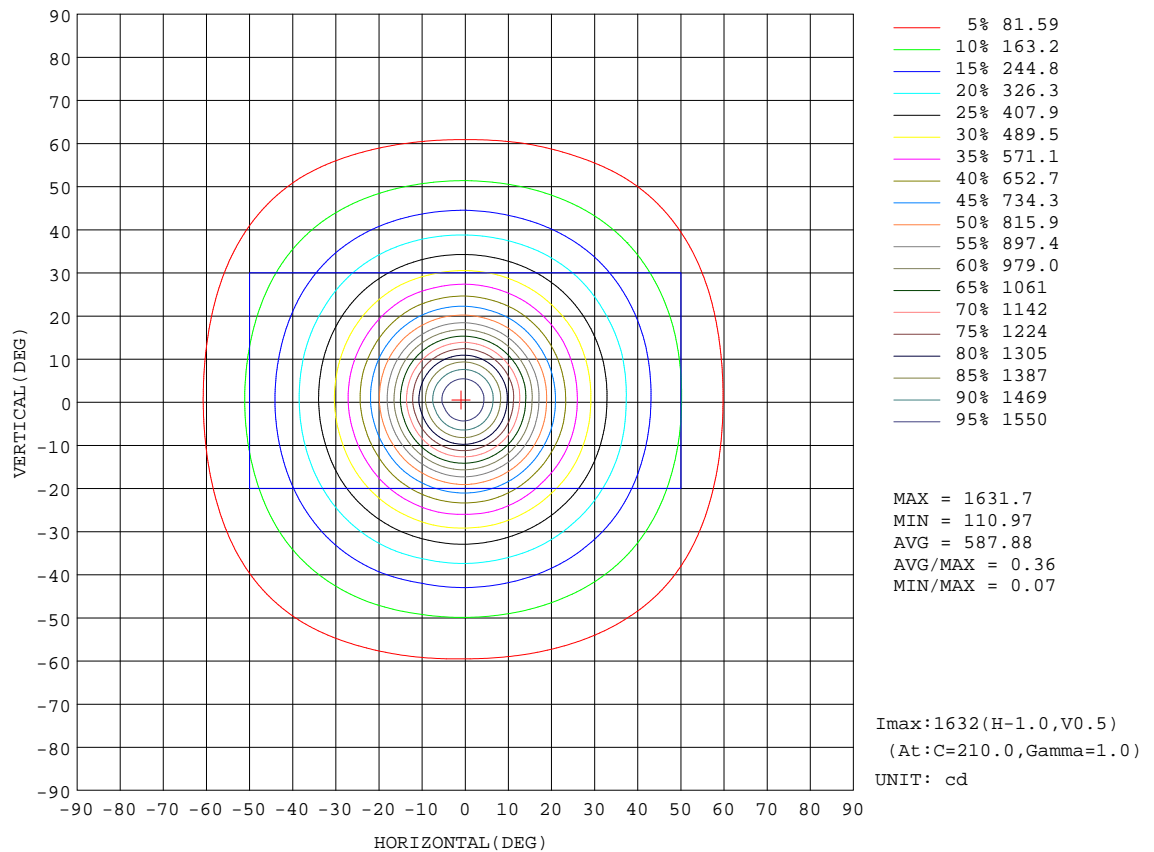
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	72	64	60	55
0.80	83	74	69	82	74	69	81	73	69	64
1.00	90	82	77	89	81	76	87	82	76	70
1.25	95	88	83	94	87	82	92	86	82	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	98	93	102	96	92	99	94	91	85
2.50	106	101	96	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	102	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: 10.000m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



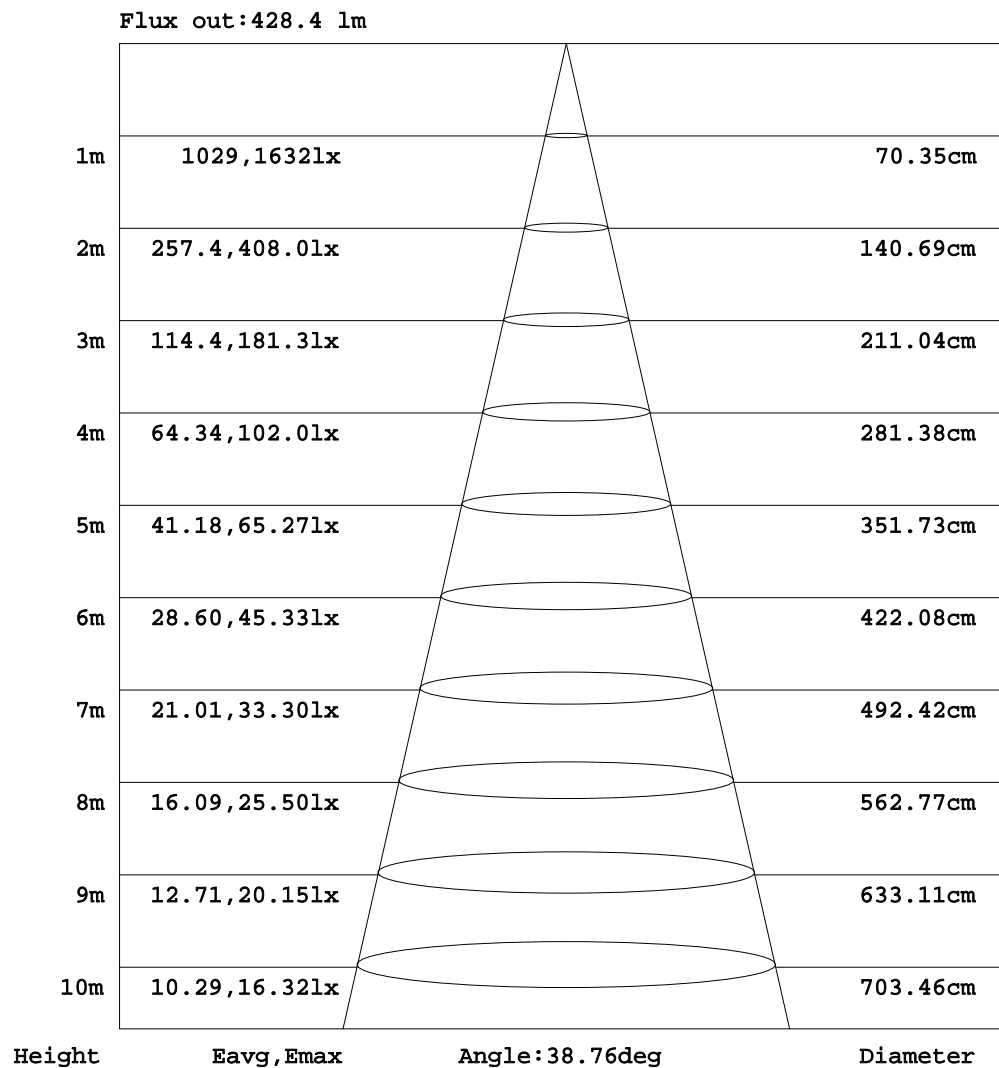
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 10.000m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



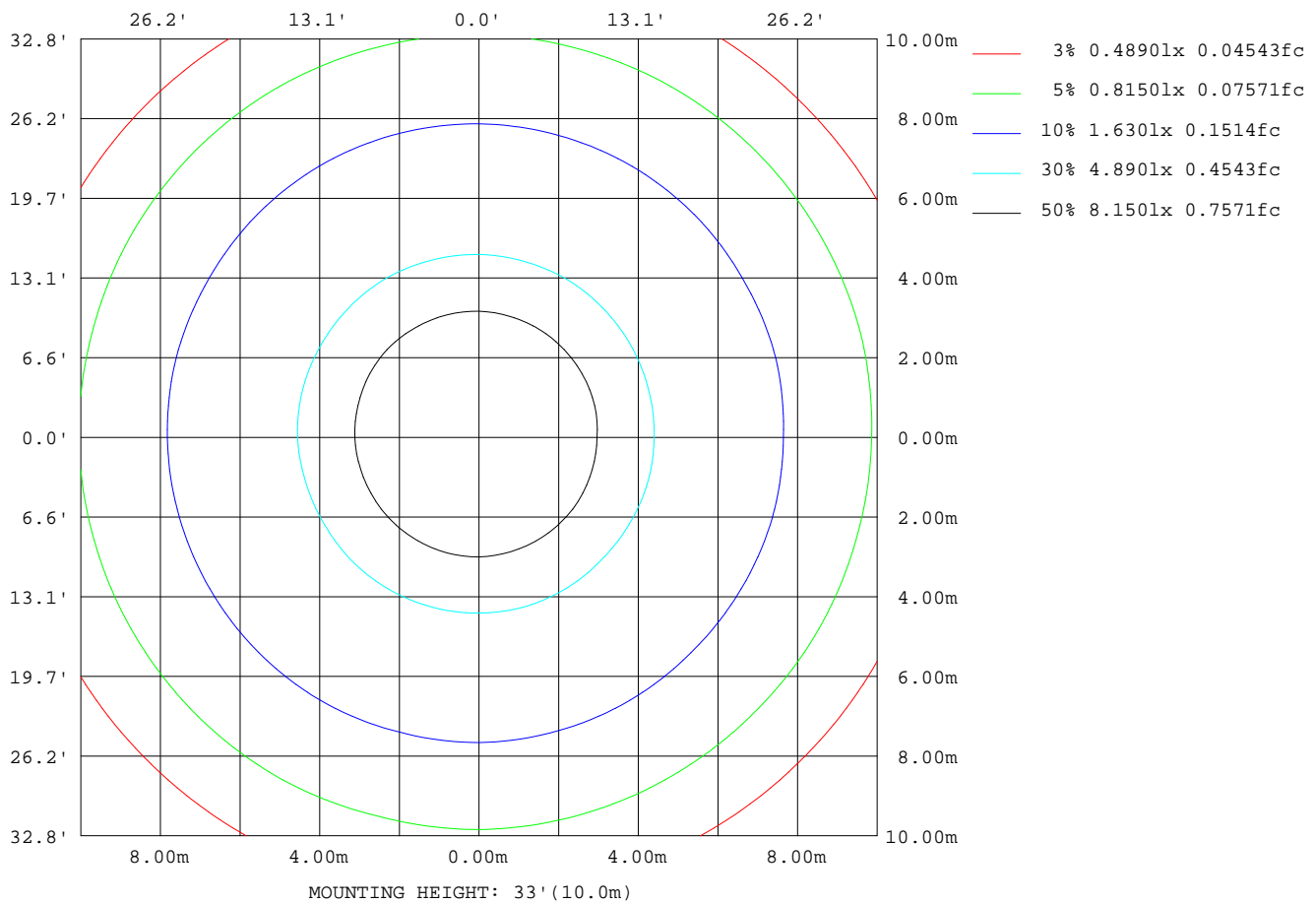
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date: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:10.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 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: 10.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

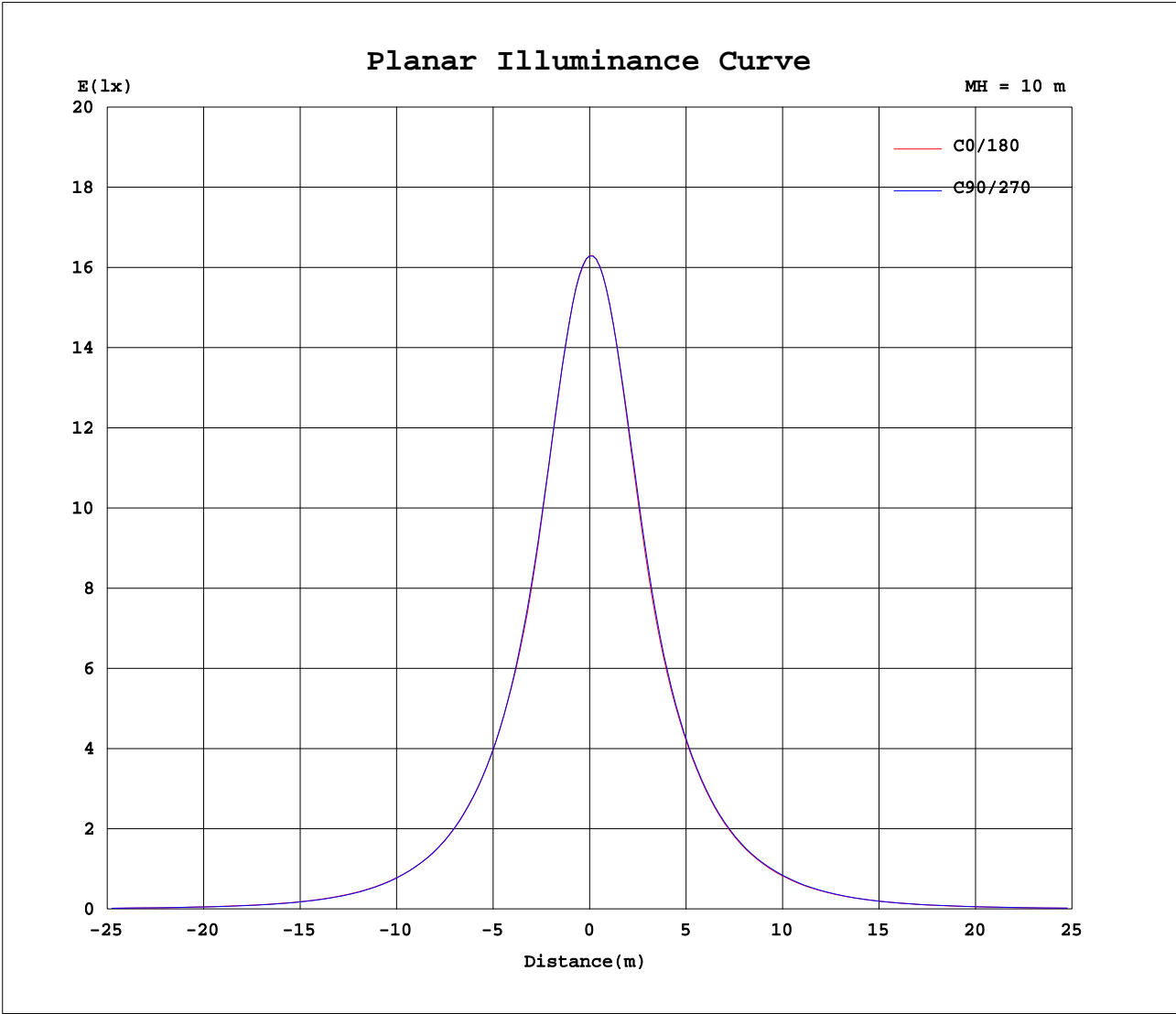
AvgL	cd/m2
L_0~180(65)av	36118
L_0~180(75)av	22840
L_0~180(85)av	16185
L_90~270(65)av	35916
L_90~270(75)av	22793
L_90~270(85)av	15272
L_45(65)av	36191
L_45(75)av	22843
L_45(85)av	15713

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: 10.000m [K=1.0000]  
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: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0835A P:9.96W PF:0.9938 Freq:60.00Hz Lamp Flux:1323.21x1 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	1630	1630	1630	1629	1629	1629	1629	1630	1629	1629	1629	1628	1630	1630	1630	1629	1629	1629	1629
5	1527	1524	1521	1520	1521	1524	1527	1531	1537	1542	1546	1551	1563	1567	1569	1570	1569	1567	1563
10	1288	1284	1283	1283	1284	1288	1292	1299	1303	1312	1319	1328	1345	1353	1359	1362	1360	1357	1353
15	1005	1000	1001	1002	1004	1008	1014	1019	1023	1029	1037	1045	1062	1070	1081	1085	1083	1082	1078
20	768	766	763	765	767	770	778	777	779	783	786	797	811	821	830	833	832	830	824
25	599	596	591	587	594	600	600	604	607	610	611	619	633	640	641	645	648	643	640
30	468	466	464	461	463	468	470	474	476	480	484	488	497	501	504	506	508	503	502
35	367	365	362	360	363	364	368	368	373	376	379	382	388	393	395	397	397	396	393
40	285	283	281	280	281	284	286	286	292	293	295	299	303	306	306	309	310	309	307
45	221	217	216	215	215	217	219	219	224	226	228	231	234	235	238	239	240	239	238
50	165	163	161	160	159	161	162	163	167	168	171	172	175	176	178	178	178	178	178
55	118	116	115	113	114	114	115	117	119	121	122	124	126	127	128	128	128	127	127
60	79.9	79.3	78.5	77.5	77.7	78.3	78.1	79.8	81.1	82.9	83.9	85.0	86.7	87.6	88.0	88.9	88.2	88.0	87.5
65	53.0	52.5	52.0	51.6	51.6	52.2	52.0	53.1	53.7	54.8	55.5	56.1	57.8	58.4	58.6	59.4	58.9	58.6	58.2
70	33.9	33.2	33.1	32.8	32.9	33.3	33.4	33.8	34.6	35.3	35.6	36.0	37.4	37.3	37.8	38.2	37.9	37.7	37.2
75	20.3	19.7	19.6	19.5	19.6	19.9	20.2	20.3	21.0	21.3	21.4	21.6	22.6	22.5	22.9	23.0	23.0	22.9	22.6
80	11.0	10.6	10.6	10.7	10.8	11.0	11.2	11.3	11.7	11.7	11.7	11.7	12.3	12.3	12.5	12.7	12.9	12.8	12.7
85	4.53	4.23	3.94	3.93	4.02	4.04	4.00	4.07	4.51	4.85	4.95	5.07	5.71	5.73	5.70	5.89	6.05	5.97	5.66
90	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	0.07	0.09	0.10	0.08	0.06
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	0.03	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	0.05	0.05	0.05	0.06
105	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
110	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08
115	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10
120	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.13	0.13	0.13	0.13	0.13	0.13	0.13
125	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.18	0.18	0.18	0.18	0.18	0.18	0.18
130	0.18	0.18	0.18	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.26	0.25	0.25	0.25	0.25	0.25	0.26
135	0.25	0.25	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.49	0.49	0.49	0.49	0.49	0.49	0.49
145	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.69	0.69	0.68	0.69	0.69	0.69	0.69
150	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.89	0.89	0.88	0.88	0.88	0.88	0.89
155	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.63	1.05	1.05	1.05	1.05	1.05	1.05	1.05
160	0.69	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.69	0.69	1.17	1.17	1.17	1.17	1.17	1.17	1.17
165	0.73	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.74	0.73	0.73	1.20	1.20	1.20	1.20	1.20	1.20	1.20
170	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.75	0.75	1.12	1.13	1.13	1.13	1.12	1.12	1.12
175	0.79	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.80	0.80	0.80	1.02	1.02	1.02	1.02	1.02	1.02	1.02
180	0.91	0.91	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91

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: 10.000m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

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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	1630	1629	1629	1629	1628														
5	1558	1552	1546	1540	1534														
10	1345	1337	1326	1314	1304														
15	1068	1058	1044	1033	1023														
20	814	807	794	785	777														
25	634	628	619	612	604														
30	498	492	485	483	476														
35	389	386	382	376	374														
40	304	301	298	293	292														
45	235	233	230	227	226														
50	176	174	171	169	168														
55	127	124	123	121	120														
60	87.8	85.7	85.0	83.2	82.2														
65	58.6	57.0	56.3	55.4	54.8														
70	37.2	36.4	36.1	35.5	34.9														
75	22.2	22.0	22.0	21.4	20.9														
80	12.3	12.3	11.9	11.5	11.1														
85	5.38	5.41	5.21	4.85	4.64														
90	0.04	0.04	0.03	0.03	0.03														
95	0.04	0.04	0.04	0.04	0.04														
100	0.06	0.06	0.06	0.06	0.06														
105	0.07	0.07	0.07	0.07	0.07														
110	0.08	0.08	0.09	0.09	0.09														
115	0.10	0.10	0.11	0.11	0.11														
120	0.13	0.13	0.14	0.14	0.14														
125	0.18	0.18	0.19	0.19	0.19														
130	0.26	0.26	0.26	0.26	0.27														
135	0.36	0.36	0.36	0.37	0.37														
140	0.49	0.50	0.50	0.51	0.51														
145	0.69	0.70	0.70	0.71	0.71														
150	0.89	0.90	0.90	0.91	0.91														
155	1.05	1.06	1.06	1.07	1.07														
160	1.17	1.18	1.18	1.18	1.19														
165	1.20	1.20	1.20	1.20	1.21														
170	1.12	1.12	1.12	1.12	1.12														
175	1.01	1.02	1.02	1.02	1.02														
180	0.91	0.91	0.91	0.91	0.91														

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: 10.000m [K=1.0000]

Remarks: