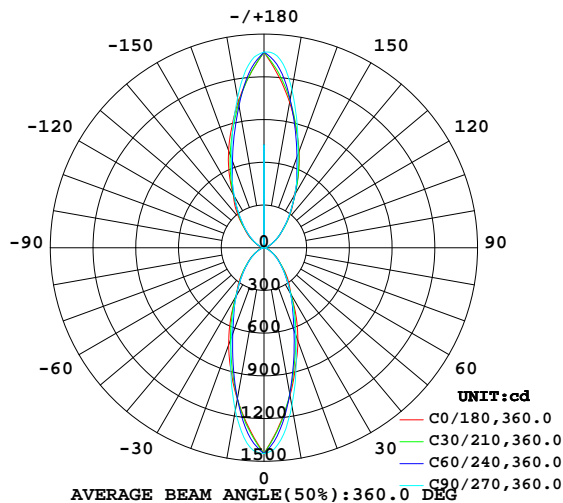


## LUMINAIRE PHOTOMETRIC TEST REPORT

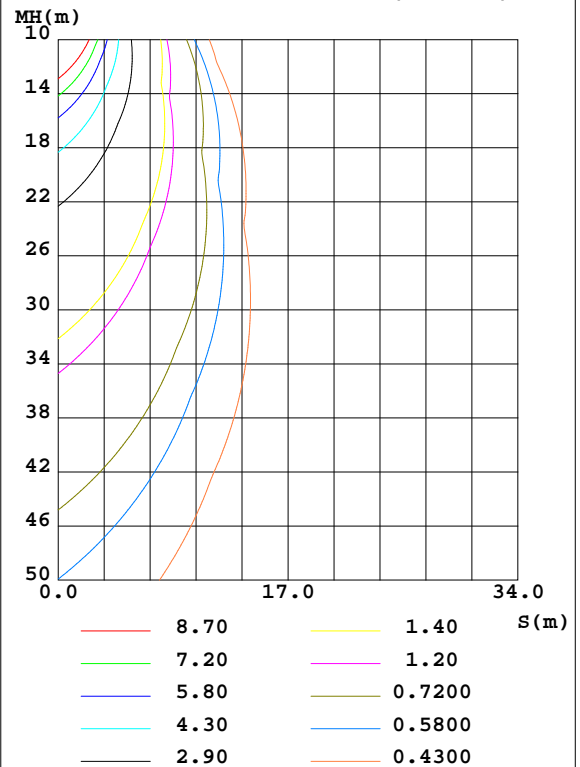
Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.06 lm/W			
MODEL	INDFPS030UNHD8SC2R6BZP	Imax(cd)	1445	S/MH(C0/180)	0.62
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2183.2	$\eta$ UP,DN(C0-180)	26.3,23.8
NOMINAL FLUX(lm)	2183.16	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	25.4,24.5
LAMPS INSIDE	1	$\eta$ up(%)	51.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	48.4	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: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
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	1053	1038	1127	1061	1079	1070	1161	1064	0- 10	116.1	116.1	5.32,5.32
20	696.7	634.6	649.8	666.0	726.7	666.1	671.5	663.3	10- 20	237.4	353.5	16.2,16.2
30	375.1	377.2	372.2	390.6	387.6	397.0	391.2	394.2	20- 30	235.3	588.8	27,27
40	237.1	218.9	217.7	224.9	243.8	230.1	229.8	229.2	30- 40	186.6	775.4	35.5,35.5
50	131.9	124.7	122.1	125.8	135.2	131.4	128.1	127.1	40- 50	133.9	909.2	41.6,41.6
60	59.55	61.99	58.61	63.05	61.93	66.71	62.25	63.72	50- 60	82.78	992.0	45.4,45.4
70	29.28	25.59	24.60	26.44	30.71	28.15	26.24	26.36	60- 70	42.32	1034	47.4,47.4
80	9.451	6.985	7.006	7.981	10.09	8.110	7.526	7.608	70- 80	17.25	1052	48.2,48.2
90	0.0791	0.1213	0.1600	0.1003	0.0660	0.0823	0.0681	0.0791	80- 90	3.995	1056	48.4,48.4
100	11.25	9.372	9.125	9.375	11.53	9.078	7.893	8.042	90-100	4.588	1060	48.6,48.6
110	34.37	31.58	31.11	32.40	35.08	30.26	27.67	29.32	100-110	20.03	1080	49.5,49.5
120	69.45	74.40	72.94	76.47	70.72	71.90	66.33	70.82	110-120	48.85	1129	51.7,51.7
130	150.3	147.7	146.9	148.5	153.0	142.5	137.5	138.9	120-130	94.49	1224	56,56
140	268.2	259.2	258.9	259.3	273.5	251.2	244.2	244.1	130-140	151.1	1375	63,63
150	423.3	437.7	432.9	434.4	432.1	425.9	414.5	412.4	140-150	208.6	1583	72.5,72.5
160	720.9	703.0	697.2	688.3	728.3	677.3	668.7	661.6	150-160	251.0	1834	84,84
170	1038	1053	1130	1049	1042	1017	1071	1009	160-170	237.1	2071	94.9,94.9
180	1374	1374	1374	1374	1374	1374	1374	1374	170-180	111.9	2183	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 849.24 lm

%lum = 38.9%

%lamp = 38.9%

Conical surface Flux(120deg): 992.02 lm

%lum = 45.4%

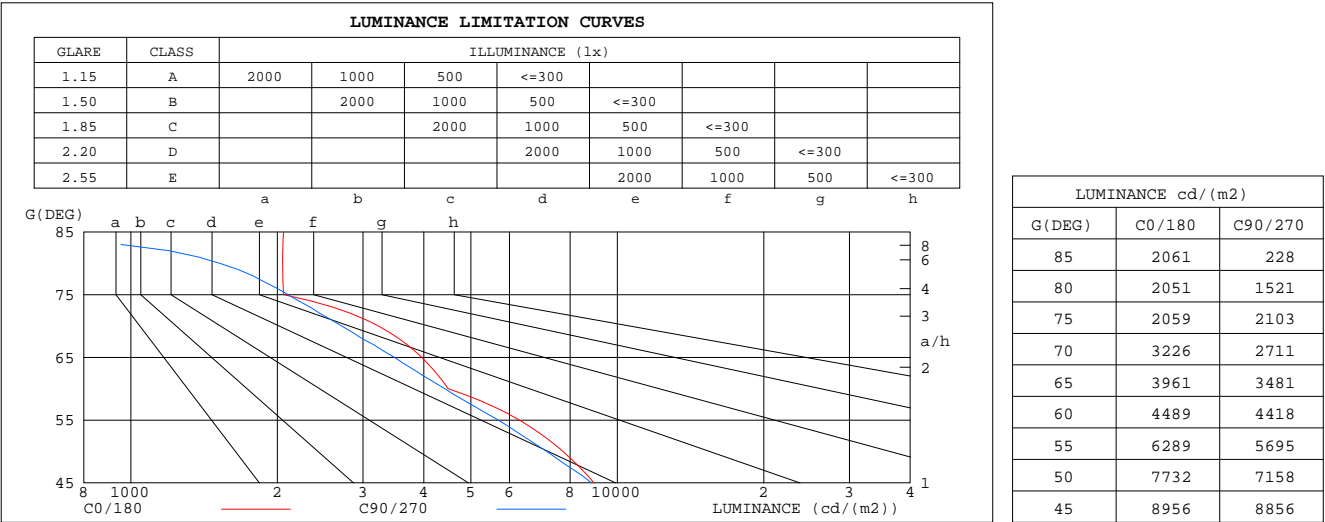
%lamp = 45.4%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Alan Wang  
 Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.3%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



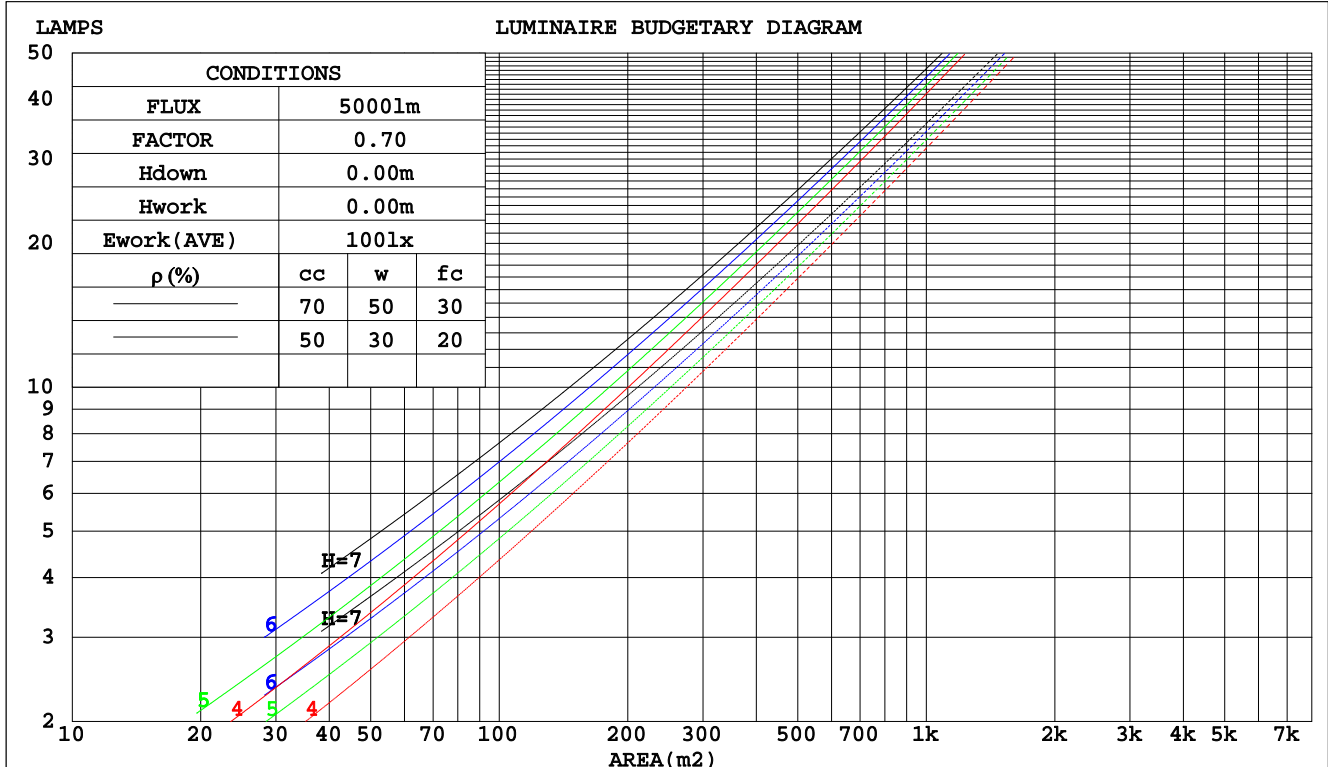
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.68	.68	.68	.55	.55	.55	.48
1.0	.95	.92	.89	.88	.85	.83	.75	.73	.71	.62	.61	.60	.51	.50	.49	.44
2.0	.85	.80	.76	.79	.75	.71	.67	.64	.61	.57	.55	.53	.47	.45	.44	.40
3.0	.77	.70	.65	.71	.66	.61	.61	.57	.54	.52	.49	.47	.43	.41	.40	.36
4.0	.69	.62	.57	.65	.59	.54	.56	.51	.48	.48	.44	.42	.40	.38	.36	.33
5.0	.63	.56	.51	.59	.53	.48	.51	.46	.43	.44	.41	.38	.37	.35	.33	.30
6.0	.57	.50	.45	.54	.48	.43	.47	.42	.39	.41	.37	.34	.35	.32	.30	.28
7.0	.53	.46	.41	.50	.43	.39	.44	.39	.35	.38	.34	.32	.33	.30	.28	.26
8.0	.49	.42	.37	.46	.40	.35	.40	.36	.32	.35	.32	.29	.31	.28	.26	.24
9.0	.45	.38	.34	.43	.37	.32	.38	.33	.30	.33	.30	.27	.29	.26	.24	.22
10.0	.42	.35	.31	.40	.34	.30	.35	.31	.27	.31	.28	.25	.27	.25	.23	.21



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## WEC AND CCEC

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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	.237	.135	.043	.214	.122	.039	.172	.099	.032	.133	.077	.025	.098	.057	.018		
2.0	.222	.122	.037	.202	.111	.034	.163	.091	.028	.128	.072	.022	.096	.054	.017		
3.0	.207	.110	.033	.189	.101	.030	.154	.083	.025	.121	.067	.020	.092	.051	.016		
4.0	.193	.100	.030	.176	.092	.027	.144	.077	.023	.115	.062	.019	.087	.047	.014		
5.0	.181	.092	.027	.165	.085	.025	.136	.071	.021	.108	.057	.017	.083	.044	.013		
6.0	.170	.085	.024	.155	.078	.023	.128	.066	.019	.103	.053	.016	.079	.041	.012		
7.0	.159	.079	.022	.146	.073	.021	.121	.061	.018	.097	.050	.014	.075	.039	.011		
8.0	.150	.073	.021	.138	.068	.019	.114	.057	.016	.092	.047	.013	.071	.037	.011		
9.0	.142	.069	.019	.130	.063	.018	.108	.054	.015	.088	.044	.013	.068	.035	.010		
10.0	.134	.064	.018	.123	.060	.017	.103	.050	.014	.083	.041	.012	.065	.033	.009		

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	.584	.584	.584	.499	.499	.499	.341	.341	.341	.196	.196	.196	.063	.063	.063	
1.0	.572	.554	.537	.489	.475	.462	.335	.327	.320	.193	.189	.186	.062	.061	.060	
2.0	.562	.532	.506	.482	.458	.437	.330	.317	.305	.190	.184	.179	.061	.060	.058	
3.0	.554	.515	.485	.475	.445	.420	.326	.309	.295	.188	.180	.174	.061	.059	.057	
4.0	.546	.503	.470	.469	.435	.408	.322	.303	.287	.187	.177	.170	.060	.058	.056	
5.0	.540	.493	.459	.463	.427	.400	.319	.298	.282	.185	.175	.167	.060	.057	.055	
6.0	.533	.486	.451	.458	.421	.393	.316	.294	.278	.183	.173	.165	.059	.057	.055	
7.0	.527	.479	.446	.454	.415	.388	.313	.291	.275	.182	.172	.164	.059	.056	.054	
8.0	.522	.474	.441	.449	.411	.385	.311	.289	.273	.181	.170	.163	.059	.056	.054	
9.0	.517	.470	.437	.445	.408	.382	.309	.286	.271	.180	.169	.162	.058	.056	.054	
10.0	.512	.466	.435	.442	.404	.379	.306	.285	.269	.179	.168	.161	.058	.055	.053	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Alan Wang  
 Test Date: 17 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.3%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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	13.8	14.7	14.7	15.5	16.6	13.5	14.3	14.3	15.1	16.2
3H	14.2	14.9	15.1	15.8	16.9	13.7	14.4	14.6	15.3	16.4
4H	14.2	14.9	15.1	15.8	16.9	13.7	14.4	14.6	15.3	16.4
6H	14.2	14.8	15.1	15.7	16.9	13.7	14.3	14.6	15.2	16.4
8H	14.2	14.8	15.1	15.7	16.9	13.6	14.2	14.6	15.1	16.3
12H	14.1	14.7	15.1	15.6	16.8	13.5	14.1	14.5	15.0	16.2
4H 2H	13.8	14.4	14.7	15.3	16.5	13.4	14.1	14.4	15.0	16.1
3H	14.2	14.8	15.2	15.7	16.9	13.8	14.3	14.7	15.3	16.5
4H	14.3	14.8	15.3	15.8	17.0	13.9	14.3	14.8	15.3	16.5
6H	14.3	14.8	15.3	15.7	17.0	13.8	14.3	14.8	15.2	16.5
8H	14.3	14.7	15.3	15.7	17.0	13.8	14.2	14.8	15.2	16.4
12H	14.3	14.7	15.3	15.7	17.0	13.7	14.1	14.7	15.0	16.3
8H 4H	14.2	14.6	15.2	15.5	16.8	13.7	14.1	14.7	15.1	16.4
6H	14.2	14.5	15.2	15.6	16.9	13.7	14.1	14.8	15.1	16.4
8H	14.3	14.5	15.3	15.6	16.9	13.7	14.0	14.7	15.0	16.3
12H	14.3	14.5	15.3	15.6	16.9	13.6	13.9	14.7	14.9	16.2
12H 4H	14.1	14.4	15.1	15.4	16.7	13.6	14.0	14.7	15.0	16.3
6H	14.1	14.4	15.2	15.4	16.8	13.7	14.0	14.7	15.0	16.3
8H	14.2	14.4	15.3	15.5	16.8	13.6	13.9	14.7	14.9	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.8 / - 1.0				
1.5H	+ 0.7 / - 0.4					+ 0.6 / - 0.5				
2.0H	+ 1.4 / - 1.7					+ 1.7 / - 1.6				

CIE Pub.117, 2183 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.7$ )  
Area: 0.026533 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

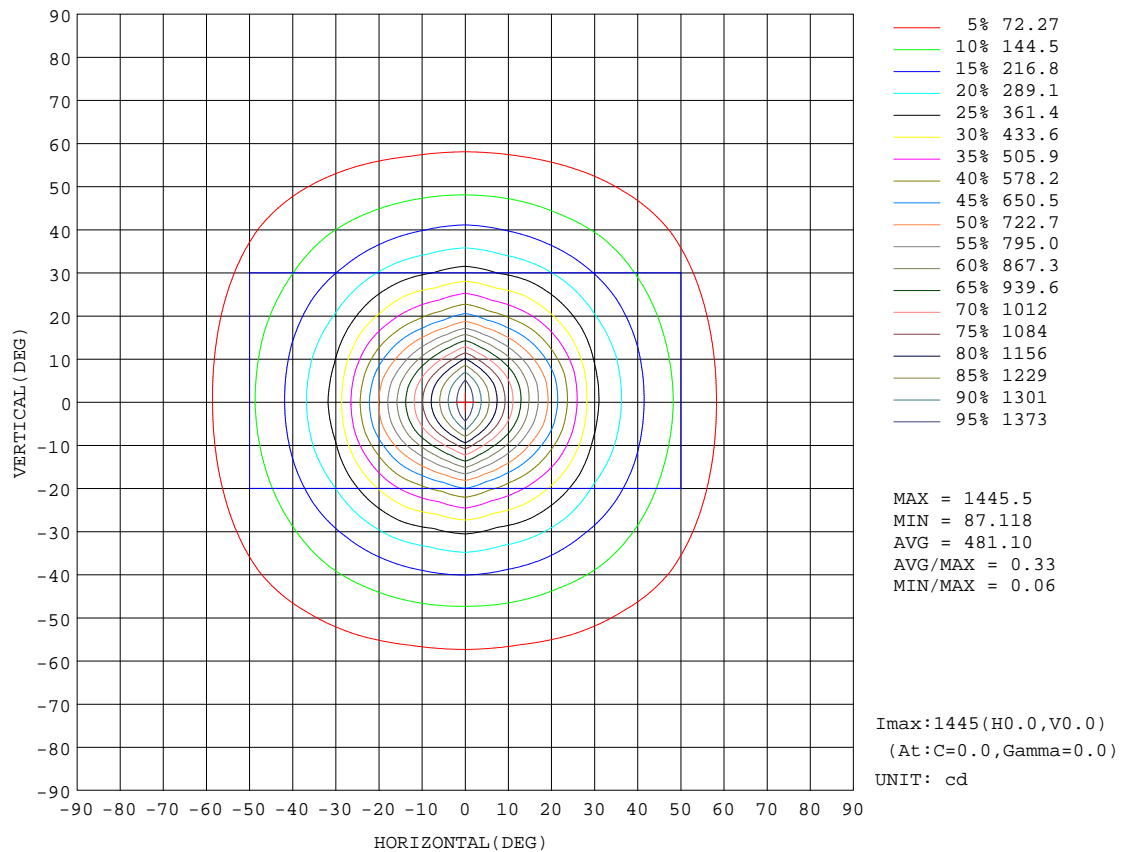
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	43	38	50	41	37	45	38	34	27
0.80	61	52	46	58	49	44	51	45	41	31
1.00	68	58	52	64	56	50	56	51	46	35
1.25	74	65	59	69	62	56	61	55	51	37
1.50	79	70	64	73	66	61	64	59	55	39
2.00	85	77	71	79	72	67	68	63	60	41
2.50	88	81	76	82	76	71	70	66	63	42
3.00	91	85	80	84	79	75	72	69	66	43
4.00	95	90	85	88	83	80	75	72	69	45
5.00	97	93	89	90	86	83	76	74	72	46
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: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.3%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



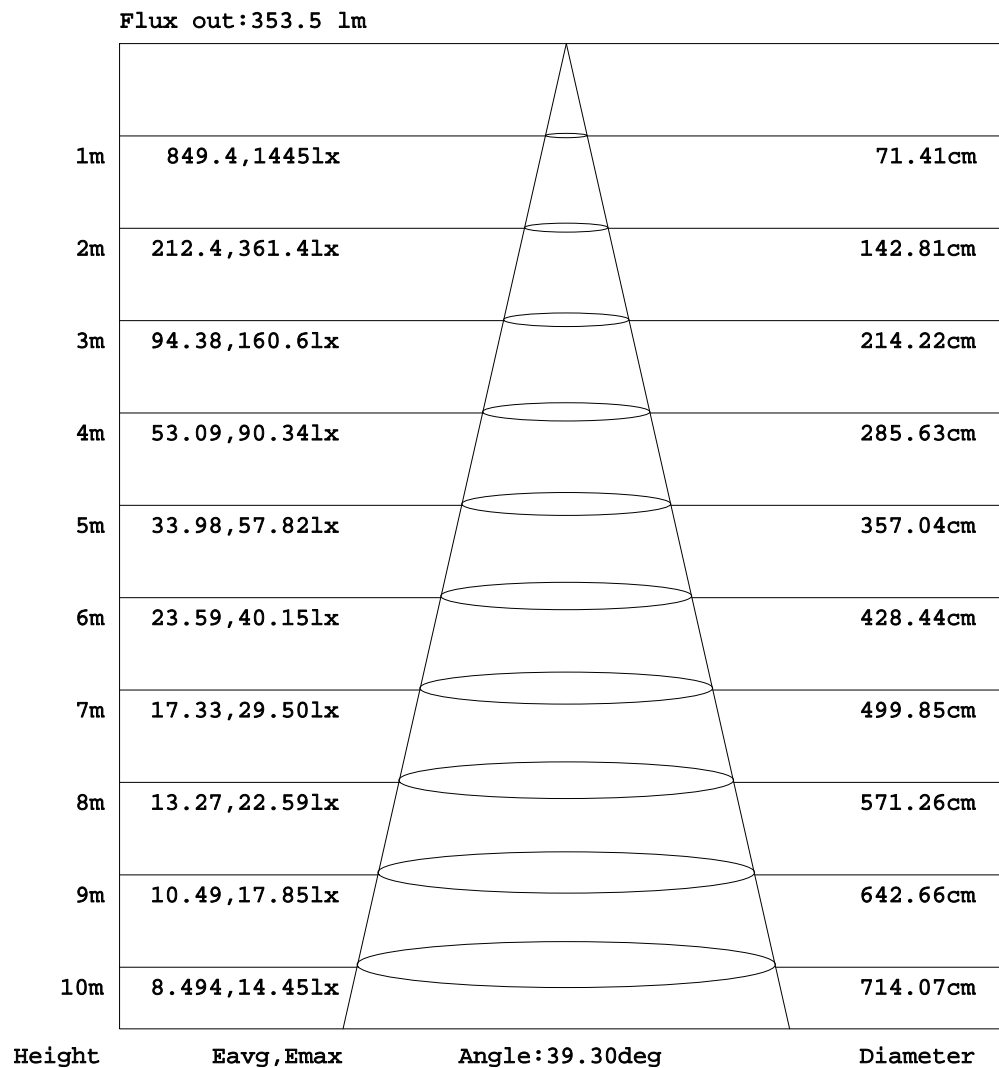
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
Test Distance: 2.500m [K=1.0461]  
Remarks:



## AAI Figure

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



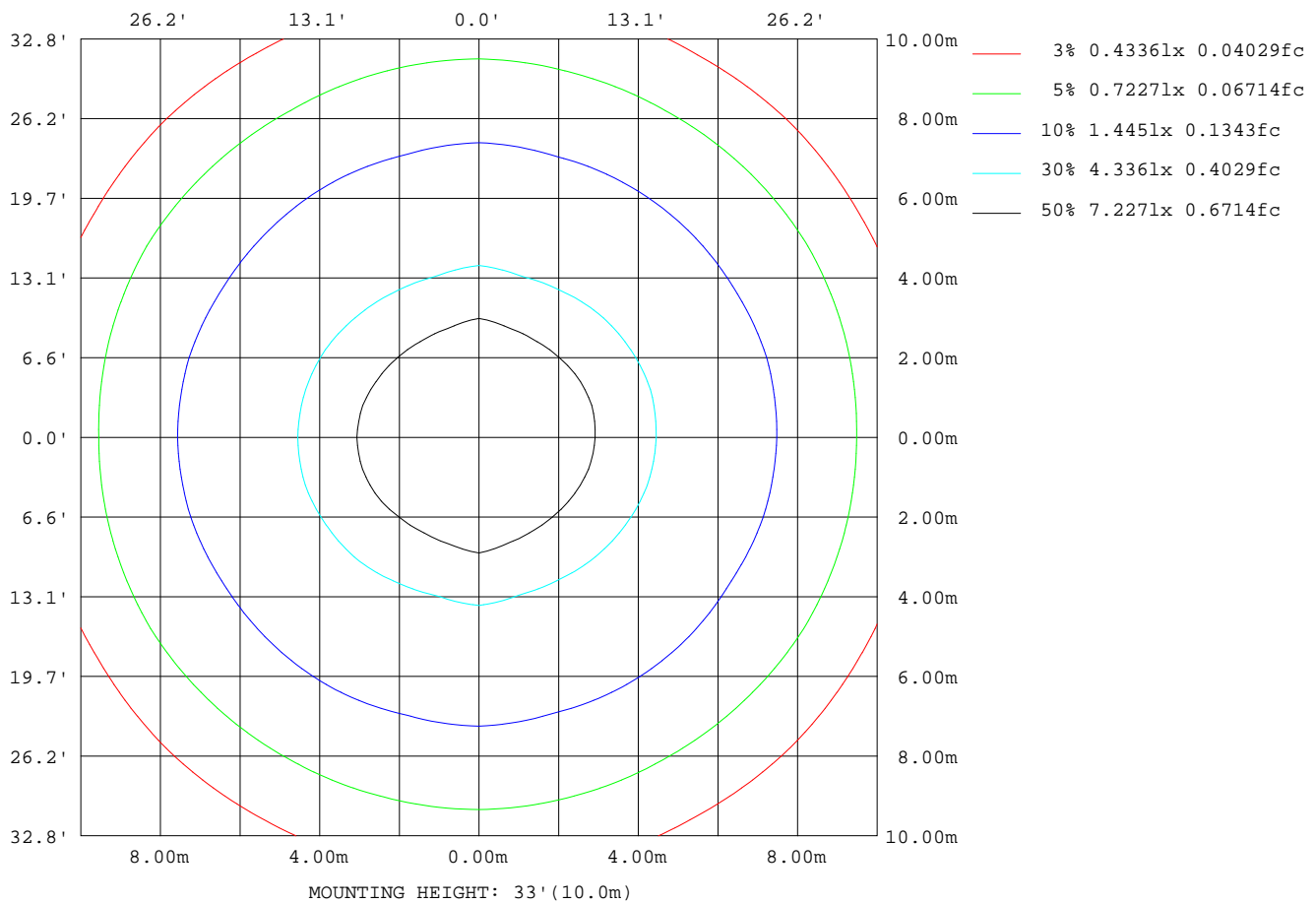
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Alan Wang  
 Test Date: 17 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.3%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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: 17 October 2024

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.3%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

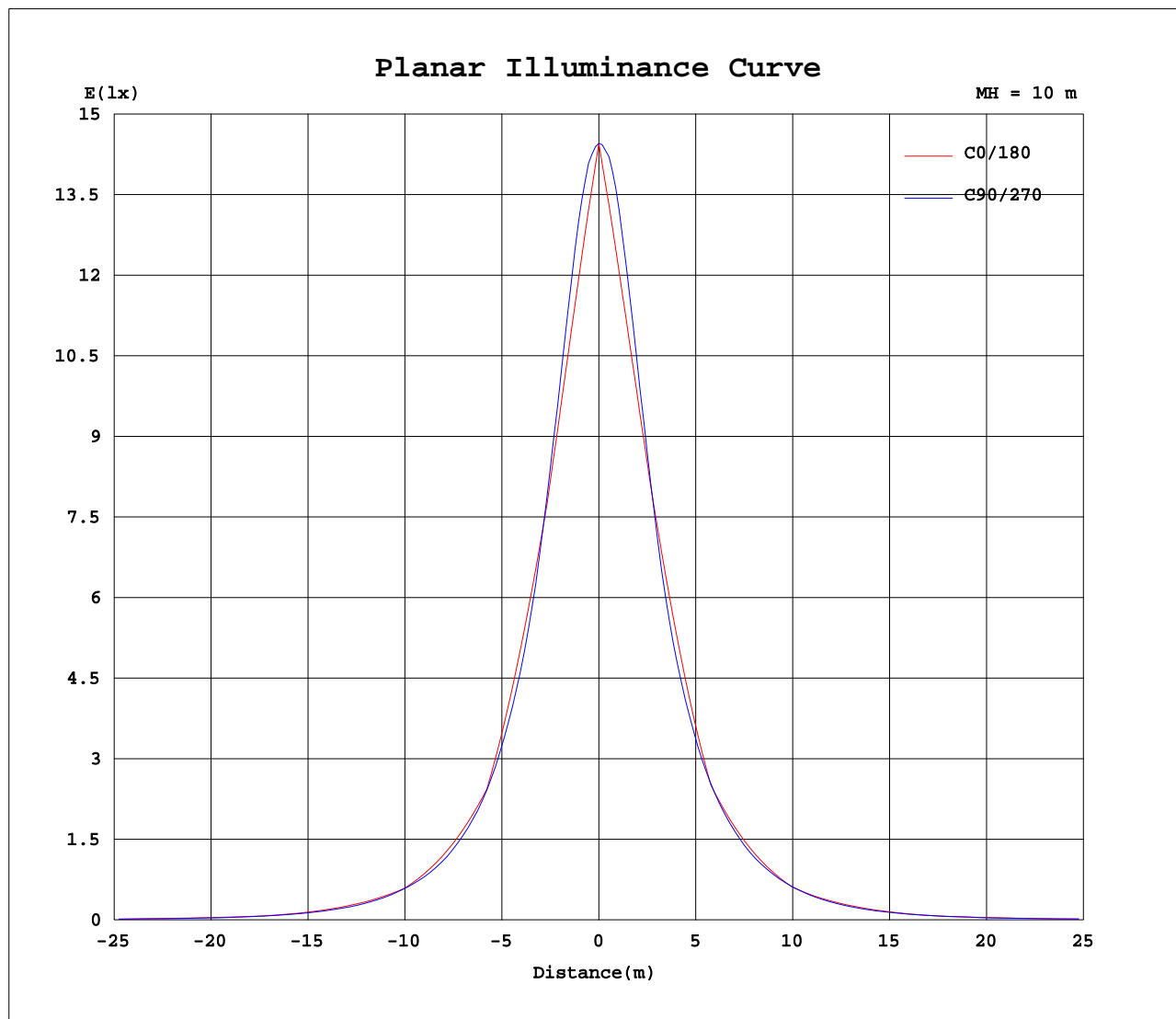
AvgL	cd/m2
L_0~180(65)av	4046
L_0~180(75)av	2129
L_0~180(85)av	2128
L_90~270(65)av	3592
L_90~270(75)av	2154
L_90~270(85)av	380
L_45(65)av	3775
L_45(75)av	2386
L_45(85)av	1657

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Alan Wang  
Test Date: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
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: 17 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.3%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445	1445
5	1249	1249	1255	1266	1284	1314	1355	1318	1291	1276	1267	1261	1262	1265	1274	1288	1307	1337	1377
10	1053	1050	1044	1038	1044	1071	1127	1079	1059	1061	1071	1076	1079	1080	1077	1070	1076	1104	1161
15	857	850	831	813	809	823	873	832	826	843	873	889	896	890	869	851	842	854	903
20	697	685	655	635	615	615	650	623	636	666	692	720	727	717	689	666	641	638	672
25	536	526	510	489	478	470	494	475	493	515	532	552	557	551	537	514	501	490	512
30	375	380	384	377	373	359	372	363	384	391	398	394	388	397	404	397	391	377	391
35	306	300	287	288	284	278	287	281	291	296	297	309	316	313	302	304	299	293	302
40	237	234	227	219	218	215	218	217	221	225	234	241	244	244	238	230	229	226	230
45	168	170	172	168	165	166	166	166	168	172	175	174	172	177	181	177	173	175	174
50	132	129	125	125	123	121	122	123	124	126	125	132	135	135	131	131	130	128	128
55	95.7	95.0	93.0	86.6	87.6	85.4	86.7	85.6	88.4	87.3	94.0	96.7	98.6	99.8	98.0	92.4	93.1	90.7	91.3
60	59.6	61.1	63.7	62.0	59.4	57.6	58.6	58.7	60.6	63.0	64.5	62.3	61.9	64.7	67.8	66.7	64.0	61.3	62.2
65	44.4	43.3	40.5	41.0	39.4	38.8	39.0	39.1	40.0	41.8	41.4	44.4	46.3	46.1	43.7	44.5	42.8	40.6	41.5
70	29.3	28.9	27.9	25.6	24.9	24.3	24.6	24.8	25.9	26.4	28.9	30.0	30.7	30.9	30.3	28.2	27.1	24.5	26.2
75	14.1	14.5	15.6	15.5	13.9	14.0	14.4	14.8	15.1	16.5	16.7	15.7	15.1	15.8	17.2	17.3	15.2	13.0	15.1
80	9.45	9.06	8.33	6.99	6.62	6.72	7.01	7.17	7.40	7.98	9.26	9.84	10.1	9.90	9.32	8.11	7.36	5.08	7.53
85	4.77	4.57	4.19	3.50	2.20	1.08	0.53	1.16	2.56	3.98	4.65	4.95	5.08	4.98	4.67	4.05	2.49	0.63	1.23
90	0.08	0.08	0.09	0.12	0.15	0.16	0.16	0.15	0.13	0.10	0.07	0.07	0.07	0.07	0.07	0.08	0.11	0.14	0.07
95	5.67	5.66	5.42	4.68	3.14	1.48	1.48	1.77	3.42	4.67	5.36	5.69	5.80	5.67	5.32	4.52	2.95	1.31	0.57
100	11.3	11.2	10.8	9.37	8.95	8.84	9.12	9.16	9.25	9.38	10.7	11.3	11.5	11.3	10.6	9.08	8.45	8.14	7.89
105	16.8	17.9	19.5	19.6	18.2	18.0	18.5	18.3	18.4	20.0	19.7	18.1	17.3	17.9	19.1	18.9	17.2	16.7	16.2
110	34.4	34.3	33.8	31.6	31.4	30.7	31.1	31.1	31.9	32.4	34.5	35.2	35.1	34.4	33.0	30.3	29.5	28.1	27.7
115	51.9	50.8	48.5	49.7	48.8	48.5	49.0	48.7	49.5	51.0	50.0	52.5	52.9	50.9	47.4	47.9	46.0	44.8	44.2
120	69.4	71.3	75.1	74.4	72.6	71.7	72.9	72.1	73.8	76.5	77.4	73.6	70.7	71.4	73.3	71.9	68.9	66.6	66.3
125	110	110	109	103	105	104	106	104	106	105	112	113	112	110	106	99.5	100	97.5	97.9
130	150	150	145	148	147	145	147	146	147	149	148	153	153	150	142	143	140	138	137
135	191	196	202	199	195	197	198	196	196	200	204	200	194	196	198	194	187	188	186
140	268	270	267	259	258	255	259	255	256	259	269	274	273	270	261	251	248	243	244
145	346	345	338	340	336	329	337	327	335	337	340	350	353	344	331	330	324	315	321
150	423	433	442	438	437	419	433	419	435	434	440	438	432	431	431	426	421	403	415
155	572	578	571	558	546	532	552	529	541	553	563	577	580	570	556	540	528	513	532
160	721	728	714	703	677	669	697	667	673	688	703	722	728	718	695	677	649	642	669
165	870	881	874	861	851	860	901	856	843	850	866	872	876	872	851	828	813	817	852
170	1038	1048	1054	1053	1059	1082	1130	1079	1055	1049	1049	1045	1042	1039	1029	1017	1014	1030	1071
175	1206	1213	1225	1241	1262	1289	1326	1288	1260	1239	1224	1213	1208	1205	1209	1217	1229	1251	1284
180	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 17 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

Humidity: 40.3%

Test Distance: 2.500m [K=1.0461]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1259A P:15.05W PF:0.9962 Freq:60.00Hz Lamp Flux:2183.16x1 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	1445	1445	1445	1445	1445													
5	1335	1304	1281	1264	1254													
10	1103	1074	1064	1065	1059													
15	853	839	846	861	867													
20	638	643	663	682	700													
25	489	499	515	529	541													
30	376	391	394	399	390													
35	291	297	300	299	308													
40	225	226	229	235	239													
45	172	171	174	176	172													
50	126	126	127	126	130													
55	89.1	90.0	88.3	94.0	95.5													
60	62.0	61.9	63.7	64.4	61.2													
65	42.3	41.0	42.1	41.0	43.4													
70	28.1	26.7	26.4	28.4	29.1													
75	17.8	15.6	16.3	16.2	14.9													
80	10.3	8.06	7.61	8.82	9.33													
85	4.09	3.07	3.79	4.43	4.70													
90	0.13	0.10	0.08	0.07	0.07													
95	1.15	2.47	4.00	4.87	5.38													
100	7.41	7.52	8.04	9.73	10.7													
105	15.7	15.9	17.8	18.1	17.1													
110	27.3	28.2	29.3	32.3	33.6													
115	43.5	44.4	46.9	46.9	50.3													
120	65.2	67.4	70.8	72.8	70.7													
125	95.4	98.4	98.2	105	108													
130	135	137	139	140	147													
135	183	183	187	192	192													
140	238	240	244	255	264													
145	309	315	319	322	338													
150	399	414	412	420	424													
155	508	516	527	538	560													
160	638	640	662	675	704													
165	812	802	812	835	856													
170	1026	1007	1009	1019	1027													
175	1250	1226	1212	1204	1201													
180	1374	1374	1374	1374	1374													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 17 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

Humidity: 40.3%

Test Distance: 2.500m [K=1.0461]

Remarks: