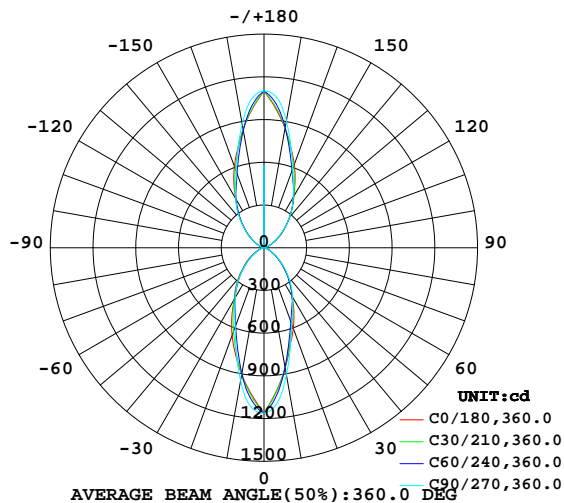


## LUMINAIRE PHOTOMETRIC TEST REPORT

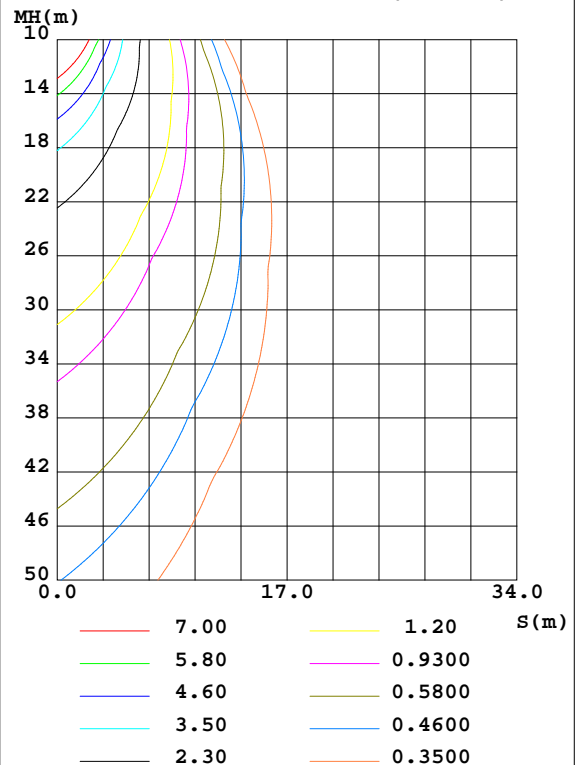
Test:U:120.0V I:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.24 lm/W			
MODEL	INDEPS020UNHD8SC2R4BZP	I <sub>max</sub> (cd)	1164	S/MH(C0/180)	0.68
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2097.0	η UP,DN(C0-180)	25.4,24.8
NOMINAL FLUX(lm)	2097.03	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.5,25.3
LAMPS INSIDE	1	η up(%)	49.9	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	50.1	CIBSE SHR MAX	0.80

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

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	858.2	849.9	909.1	875.2	902.9	899.1	947.9	874.4	0- 10	94.65	94.65	4.51,4.51
20	602.6	565.3	570.1	590.4	654.7	604.5	591.8	578.4	10- 20	201.4	296.1	14.1,14.1
30	393.2	390.0	400.9	407.0	415.7	408.0	402.6	394.2	20- 30	224.7	520.8	24.8,24.8
40	260.0	258.7	267.1	276.6	280.7	273.2	267.5	260.0	30- 40	207.4	728.2	34.7,34.7
50	150.2	144.4	149.7	157.5	166.9	156.7	150.0	144.9	40- 50	158.3	886.5	42.3,42.3
60	63.70	68.16	68.42	77.11	74.24	77.37	70.05	69.36	50- 60	96.86	983.3	46.9,46.9
70	29.23	24.63	24.77	29.43	35.22	30.00	26.48	25.72	60- 70	46.63	1030	49.1,49.1
80	8.022	5.509	5.393	7.249	10.50	7.968	6.287	5.977	70- 80	16.82	1047	49.9,49.9
90	0.0798	0.1318	0.1787	0.1175	0.0678	0.0828	0.0746	0.0862	80- 90	3.610	1050	50.1,50.1
100	10.00	7.327	6.465	6.731	8.725	6.147	5.668	6.815	90-100	3.612	1054	50.3,50.3
110	34.60	30.58	28.12	27.82	30.53	26.15	25.08	28.22	100-110	17.20	1071	51.1,51.1
120	73.86	80.68	74.61	73.65	65.48	69.46	67.11	74.71	110-120	47.75	1119	53.4,53.4
130	167.4	163.6	159.3	151.6	150.2	143.2	145.5	153.3	120-130	98.39	1217	58.1,58.1
140	279.9	284.5	278.2	266.6	259.5	256.2	261.0	268.9	130-140	159.7	1377	65.7,65.7
150	411.3	415.5	412.5	398.8	393.4	390.3	395.1	399.6	140-150	208.0	1585	75.6,75.6
160	622.9	594.3	589.7	578.8	608.9	574.2	569.9	577.1	150-160	223.9	1809	86.3,86.3
170	853.2	856.3	906.9	846.7	845.1	838.5	883.5	839.2	160-170	197.4	2006	95.7,95.7
180	1102	1102	1102	1102	1102	1102	1102	1102	170-180	90.68	2097	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 815.04 lm

%lum = 38.9%

%lamp = 38.9%

Conical surface Flux(120deg): 983.32 lm

%lum = 46.9%

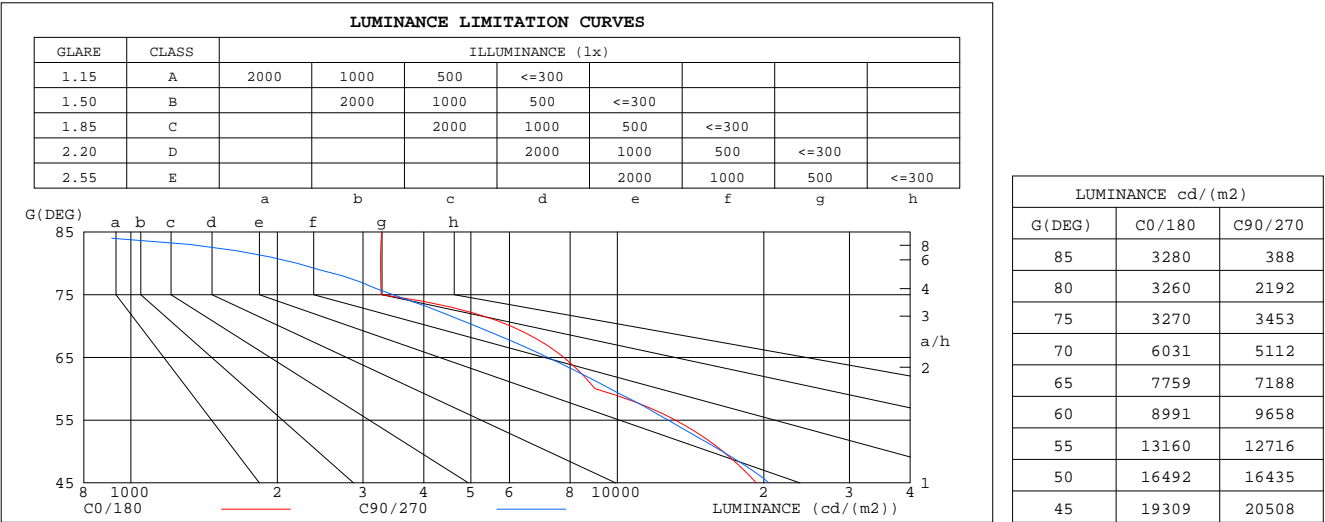
%lamp = 46.9%

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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



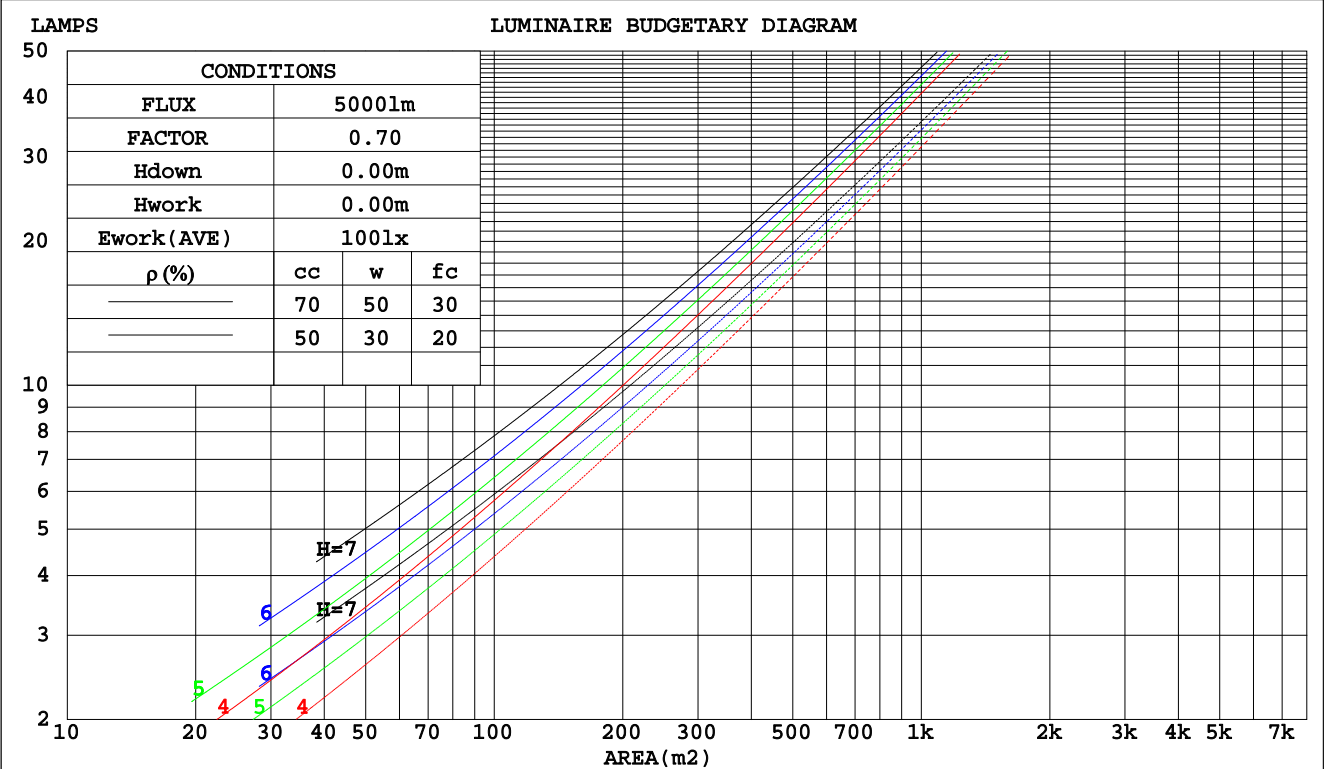
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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	.240	.137	.043	.218	.124	.040	.177	.102	.032	.139	.080	.026	.104	.060	.019	
2.0	.226	.124	.038	.206	.113	.035	.169	.094	.029	.134	.075	.024	.102	.058	.018	
3.0	.211	.112	.034	.193	.103	.031	.159	.086	.026	.128	.070	.021	.098	.054	.017	
4.0	.198	.103	.030	.181	.095	.028	.150	.079	.024	.121	.065	.020	.094	.051	.016	
5.0	.185	.094	.027	.170	.087	.025	.141	.073	.022	.114	.060	.018	.089	.048	.014	
6.0	.173	.087	.025	.159	.081	.023	.133	.068	.020	.108	.056	.016	.085	.045	.013	
7.0	.163	.081	.023	.150	.075	.021	.125	.063	.018	.102	.052	.015	.081	.042	.012	
8.0	.153	.075	.021	.141	.070	.020	.119	.059	.017	.097	.049	.014	.077	.039	.011	
9.0	.145	.070	.020	.134	.065	.018	.112	.056	.016	.092	.046	.013	.073	.037	.011	
10.0	.137	.066	.018	.127	.061	.017	.107	.052	.015	.088	.044	.012	.070	.035	.010	

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.559	.540	.523	.478	.464	.450	.327	.319	.311	.188	.185	.181	.060	.059	.059	
2.0	.549	.518	.492	.471	.446	.425	.323	.309	.297	.186	.180	.174	.060	.058	.057	
3.0	.541	.502	.471	.464	.433	.408	.319	.301	.286	.184	.176	.169	.059	.057	.055	
4.0	.534	.490	.456	.458	.423	.396	.315	.295	.279	.182	.173	.165	.059	.056	.054	
5.0	.527	.480	.445	.453	.415	.387	.312	.290	.273	.181	.170	.162	.058	.056	.053	
6.0	.521	.472	.437	.448	.409	.381	.309	.286	.269	.179	.168	.160	.058	.055	.053	
7.0	.515	.466	.431	.443	.404	.376	.306	.283	.266	.178	.167	.159	.057	.055	.052	
8.0	.510	.461	.427	.439	.400	.372	.304	.281	.264	.177	.165	.157	.057	.054	.052	
9.0	.505	.456	.423	.435	.396	.369	.301	.278	.262	.175	.164	.156	.057	.054	.052	
10.0	.500	.452	.421	.431	.393	.367	.299	.276	.261	.174	.163	.156	.057	.054	.052	

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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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	17.0	17.8	17.8	18.6	19.7	16.9	17.7	17.7	18.5	19.6
3H	17.2	17.9	18.1	18.8	19.9	17.0	17.8	17.9	18.6	19.7
4H	17.2	17.9	18.1	18.7	19.9	17.0	17.7	17.9	18.5	19.6
6H	17.1	17.7	18.0	18.6	19.8	16.9	17.5	17.8	18.4	19.5
8H	17.0	17.6	18.0	18.6	19.7	16.8	17.4	17.7	18.3	19.4
12H	17.0	17.6	17.9	18.5	19.6	16.7	17.3	17.6	18.2	19.4
4H 2H	16.9	17.6	17.8	18.4	19.5	16.8	17.5	17.7	18.4	19.5
3H	17.2	17.8	18.1	18.7	19.9	17.0	17.6	17.9	18.5	19.7
4H	17.2	17.7	18.1	18.6	19.8	17.0	17.5	17.9	18.4	19.6
6H	17.1	17.6	18.1	18.5	19.8	16.9	17.3	17.9	18.3	19.5
8H	17.1	17.5	18.1	18.5	19.7	16.8	17.2	17.8	18.2	19.4
12H	17.1	17.4	18.1	18.4	19.7	16.7	17.1	17.7	18.1	19.3
8H 4H	17.0	17.4	18.0	18.4	19.6	16.8	17.2	17.8	18.2	19.4
6H	17.0	17.3	18.0	18.3	19.6	16.7	17.1	17.7	18.1	19.3
8H	17.0	17.3	18.0	18.3	19.6	16.7	16.9	17.7	18.0	19.3
12H	17.0	17.2	18.0	18.2	19.5	16.6	16.8	17.6	17.8	19.2
12H 4H	16.9	17.3	17.9	18.3	19.5	16.7	17.1	17.7	18.1	19.3
6H	16.9	17.2	17.9	18.2	19.5	16.6	16.9	17.7	17.9	19.2
8H	16.9	17.1	17.9	18.2	19.5	16.6	16.8	17.6	17.8	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.1					+ 0.9 / - 1.2				
1.5H	+ 0.6 / - 0.5					+ 0.7 / - 0.8				
2.0H	+ 1.7 / - 2.3					+ 2.1 / - 2.2				

CIE Pub.117, 2097 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.6$ )  
Area: 0.0141692 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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

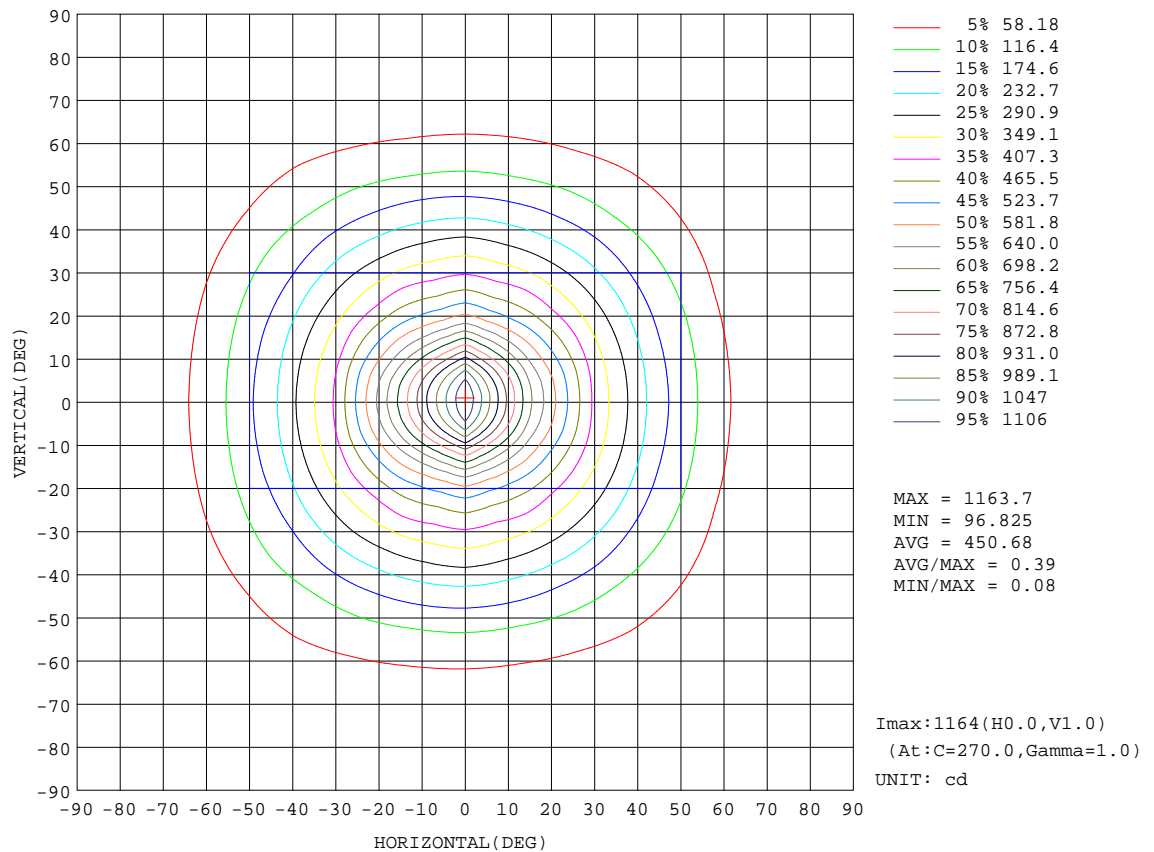
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	42	37	49	41	36	44	38	34	26
0.80	61	51	45	57	49	43	51	45	40	31
1.00	68	58	52	64	55	50	57	51	46	35
1.25	74	65	59	70	62	56	61	55	51	38
1.50	79	70	64	74	66	61	64	59	55	40
2.00	85	77	71	79	72	67	68	64	60	42
2.50	89	81	76	82	76	72	71	67	63	43
3.00	91	85	80	85	80	75	73	69	66	44
4.00	95	90	86	88	84	80	75	72	70	46
5.00	97	93	89	90	87	83	77	74	72	47
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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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

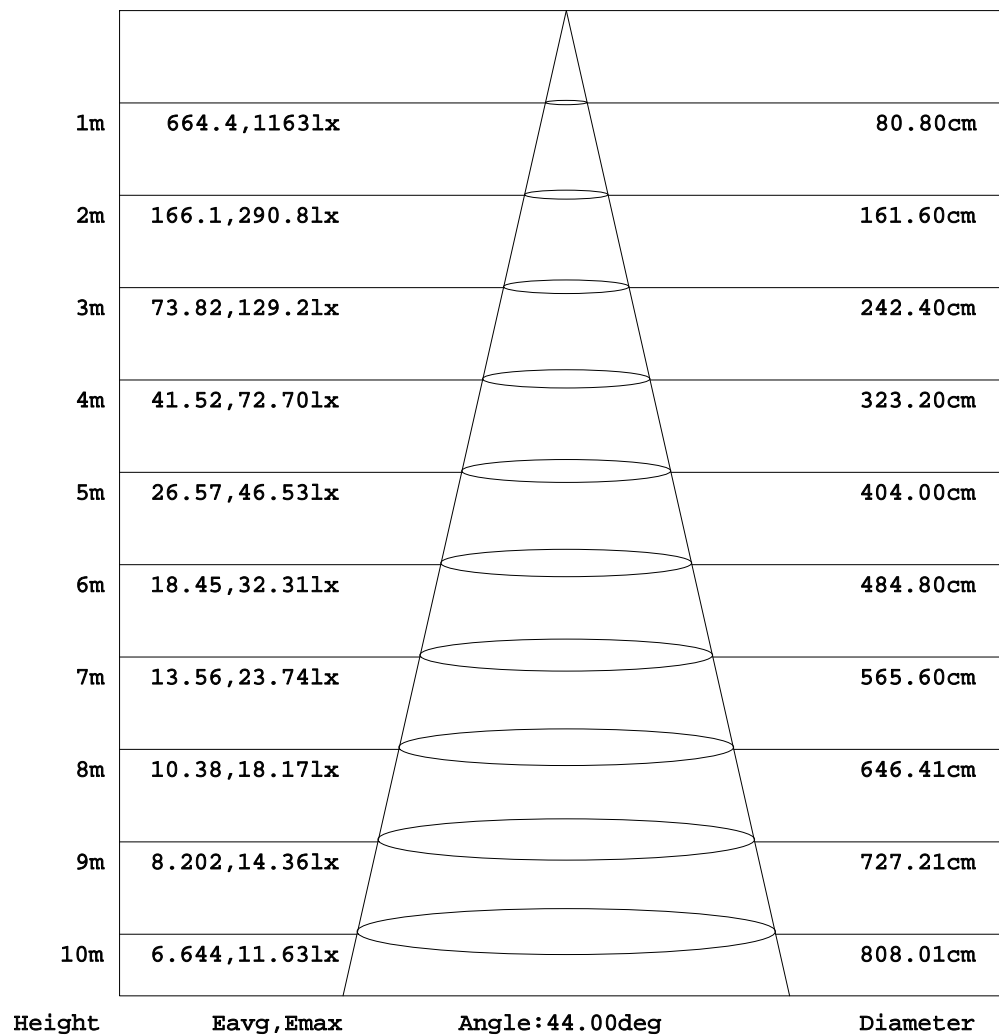
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.6%  
Test Distance: 2.500m [K=1.0461]  
Remarks:



## AAI Figure

Test:U:120.0V I:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:340.7 lm



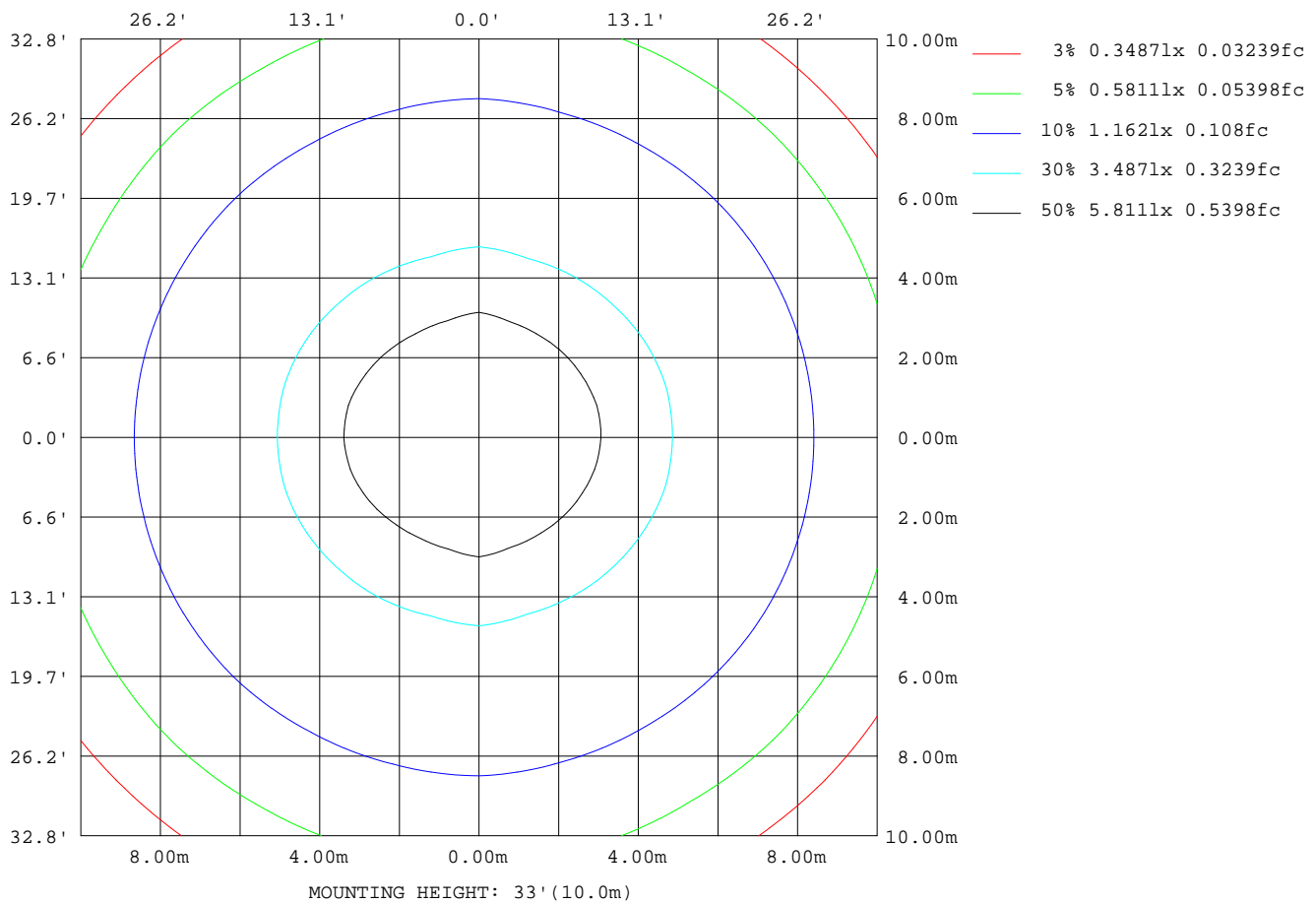
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date: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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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:

## LED Avg.L Report

Test:U:120.0V I:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

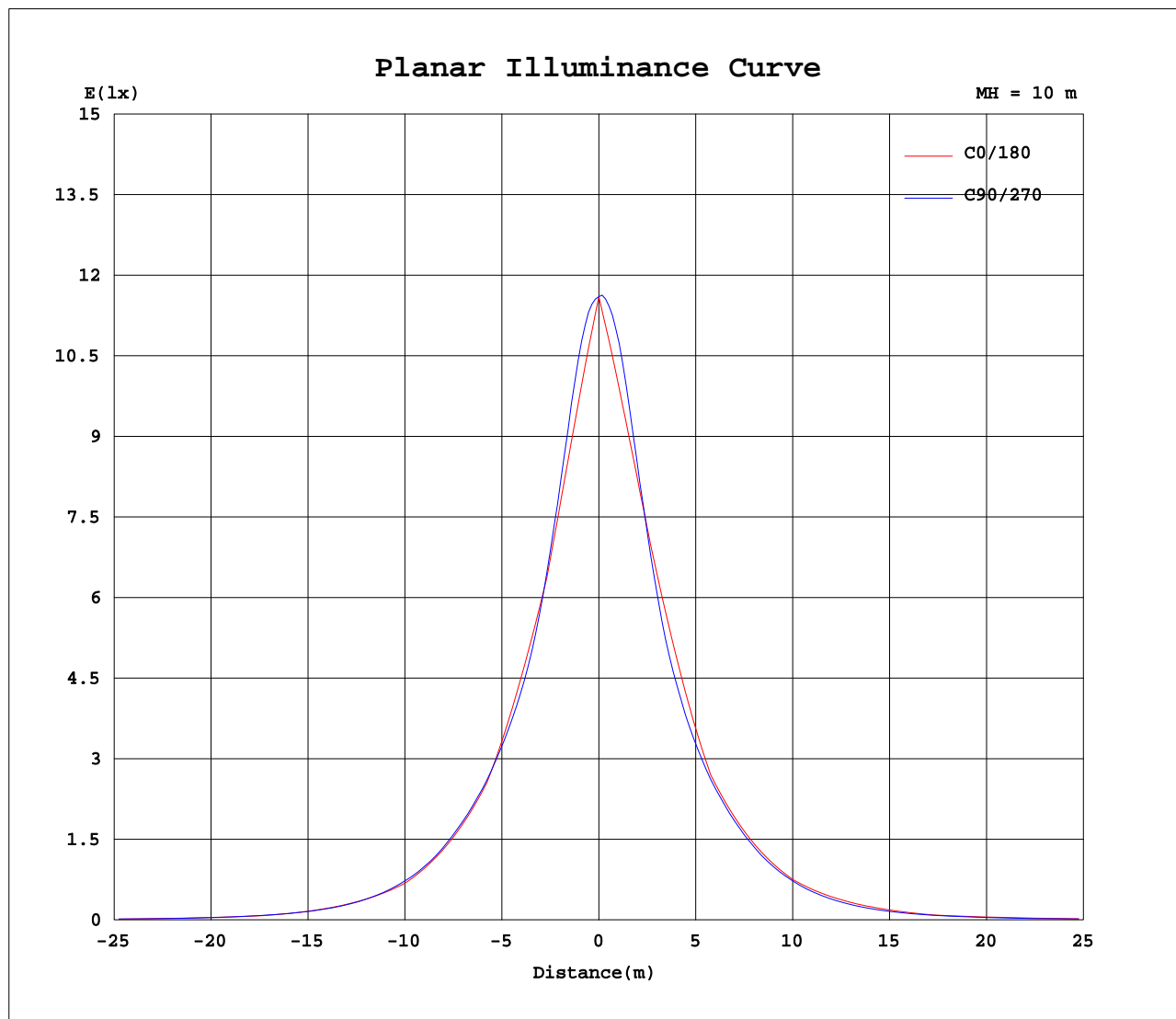
AvgL	cd/m2
L_0~180(65)av	8449
L_0~180(75)av	3777
L_0~180(85)av	3779
L_90~270(65)av	7341
L_90~270(75)av	3608
L_90~270(85)av	760
L_45(65)av	7716
L_45(75)av	4399
L_45(85)av	2710

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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160
5	1009	1010	1015	1023	1037	1060	1091	1065	1047	1038	1034	1031	1032	1037	1042	1051	1065	1085	1113
10	858	857	853	850	853	870	909	877	868	875	887	899	903	906	903	899	898	912	948
15	707	705	697	686	681	688	718	694	695	715	742	764	774	773	758	735	723	724	753
20	603	594	576	565	552	549	570	555	565	590	615	642	655	650	626	604	582	573	592
25	498	494	480	470	463	460	477	465	475	489	507	527	535	532	515	497	482	471	485
30	393	399	397	390	395	389	401	394	406	407	419	421	416	421	420	408	406	394	403
35	327	327	324	323	323	324	335	330	335	339	345	347	348	347	342	337	333	329	335
40	260	260	260	259	257	260	267	266	269	277	279	280	281	279	276	273	267	265	268
45	193	194	197	198	197	201	205	207	208	213	216	214	213	213	213	211	206	206	205
50	150	148	142	144	144	145	150	151	154	158	159	165	167	164	157	157	153	151	150
55	107	106	105	98.0	100	99.0	103	104	108	109	118	120	121	120	117	109	109	104	104
60	63.7	65.7	69.5	68.2	66.0	65.8	68.4	69.2	72.5	77.1	79.7	76.2	74.2	76.3	79.4	77.4	73.1	69.3	70.1
65	46.5	45.1	41.8	42.4	41.3	41.6	43.0	44.2	46.5	49.1	49.5	53.2	54.7	53.5	49.7	49.5	46.8	43.9	44.9
70	29.2	28.8	27.6	24.6	24.7	24.1	24.8	25.9	28.2	29.4	33.0	34.6	35.2	35.0	33.6	30.0	28.6	24.9	26.5
75	12.0	12.7	14.0	14.2	12.5	12.3	12.7	13.5	14.8	17.3	17.4	16.3	15.7	16.6	18.1	18.1	15.2	12.0	13.8
80	8.02	7.68	6.74	5.51	5.73	5.32	5.39	6.08	7.11	7.25	8.83	9.99	10.5	10.3	9.31	7.97	7.39	4.68	6.29
85	4.05	3.87	3.40	2.78	1.83	0.85	0.48	1.07	2.55	3.64	4.44	5.02	5.28	5.16	4.67	3.98	2.65	0.69	1.40
90	0.08	0.08	0.10	0.13	0.16	0.18	0.18	0.16	0.14	0.12	0.09	0.07	0.07	0.07	0.07	0.08	0.11	0.15	0.07
95	5.04	4.88	4.39	3.68	2.68	1.32	1.18	1.34	2.51	3.39	3.95	4.33	4.40	4.15	3.69	3.08	2.21	1.05	0.73
100	10.0	9.69	8.72	7.33	7.52	6.65	6.47	6.67	7.14	6.73	7.85	8.61	8.72	8.25	7.35	6.15	6.45	5.97	5.67
105	15.0	15.9	17.5	17.9	15.6	14.8	14.6	14.6	14.8	16.4	15.8	14.1	13.1	13.6	14.9	15.2	13.6	13.2	13.0
110	34.6	34.8	33.8	30.6	30.0	28.4	28.1	27.9	28.5	27.8	30.3	31.0	30.5	30.0	29.0	26.1	26.1	25.2	25.1
115	54.2	53.9	50.8	51.3	49.3	47.8	47.9	47.0	46.6	46.9	45.4	47.9	48.0	46.5	43.6	44.1	42.9	42.3	43.0
120	73.9	77.5	81.7	80.7	77.0	74.3	74.6	72.5	72.4	73.7	73.6	69.0	65.5	67.1	70.9	69.5	67.0	65.9	67.1
125	121	122	121	114	115	111	111	108	108	104	109	110	108	107	105	98.1	100	98.1	101
130	167	167	162	164	162	160	159	155	153	152	147	151	150	148	142	143	142	143	145
135	214	216	219	220	217	218	216	211	205	206	203	197	193	194	197	196	194	196	200
140	280	282	283	284	278	277	278	269	266	267	265	262	260	259	260	256	253	254	261
145	346	348	349	347	345	340	344	333	331	330	329	328	326	326	324	320	319	318	329
150	411	419	422	416	417	405	412	397	403	399	403	400	393	399	399	390	392	384	395
155	517	518	508	497	488	478	490	471	475	480	490	499	501	499	487	474	465	458	473
160	623	623	608	594	578	571	590	565	566	579	588	605	609	605	590	574	555	550	570
165	729	733	726	710	702	705	733	701	694	697	707	717	717	717	708	691	680	684	711
170	853	857	858	856	858	873	907	869	851	847	847	848	845	845	842	839	838	851	884
175	978	981	987	997	1010	1030	1057	1029	1007	993	983	977	974	974	979	986	999	1017	1044
180	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102	1102

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:0.1285A P:15.17W PF:0.9839 Freq:60.00Hz Lamp Flux:2097.03x1 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	1160	1160	1160	1160	1160														
5	1080	1055	1036	1023	1016														
10	905	883	874	868	864														
15	717	707	708	714	713														
20	566	568	578	588	602														
25	466	471	477	488	498														
30	390	397	394	400	400														
35	324	324	324	326	327														
40	259	258	260	260	260														
45	201	197	199	198	195														
50	146	146	145	143	148														
55	101	102	98.6	105	107														
60	68.5	67.8	69.4	70.0	65.9														
65	45.2	43.4	43.7	42.4	45.3														
70	28.4	26.6	25.7	28.1	29.0														
75	16.5	14.1	14.9	14.3	12.8														
80	8.80	7.07	5.98	6.99	7.74														
85	3.55	2.65	3.00	3.52	3.90														
90	0.14	0.11	0.09	0.08	0.08														
95	0.97	2.33	3.40	4.19	4.80														
100	5.89	6.73	6.81	8.35	9.55														
105	13.2	14.2	16.5	16.6	15.6														
110	25.4	27.2	28.2	31.8	33.9														
115	43.1	45.0	47.3	47.8	52.4														
120	67.1	70.0	74.7	77.3	75.2														
125	100	105	106	115	119														
130	147	150	153	155	163														
135	201	202	207	211	212														
140	260	262	269	273	277														
145	323	328	332	338	343														
150	388	400	400	410	414														
155	461	469	481	496	511														
160	552	558	577	592	613														
165	684	682	691	709	722														
170	851	838	839	844	850														
175	1017	999	988	981	977														
180	1102	1102	1102	1102	1102														

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: