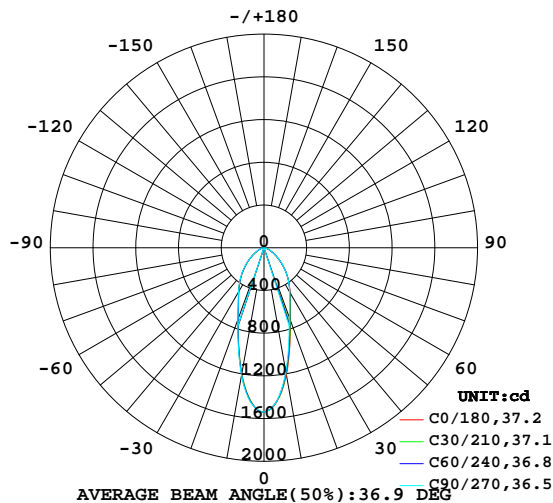


## LUMINAIRE PHOTOMETRIC TEST REPORT

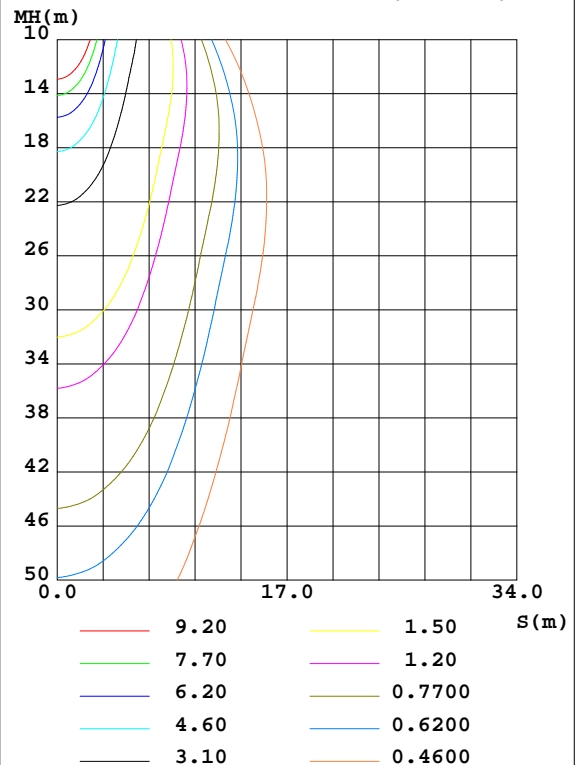
Test:U:120.0V I:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.99 lm/W			
MODEL	INDFPS020UNHD8SC2R4BZP	I <sub>max</sub> (cd)	1539	S/MH(C0/180)	0.58
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	1339.5	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	1339.48	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
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: 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	1208	1194	1180	1182	1200	1205	1213	1218	0- 10	129.6	129.6	9.68,9.68
20	726.4	715.1	695.0	700.7	710.5	713.0	714.5	725.6	10- 20	257.7	387.3	28.9,28.9
30	488.1	487.8	481.5	479.0	476.0	474.5	479.3	487.7	20- 30	266.0	653.3	48.8,48.8
40	336.7	336.6	336.4	331.9	326.3	324.0	330.6	335.3	30- 40	252.5	905.7	67.6,67.6
50	201.6	202.4	203.8	199.5	195.1	193.8	198.0	200.9	40- 50	202.2	1108	82.7,82.7
60	101.6	101.6	102.3	100.3	97.94	97.82	99.60	100.5	50- 60	129.9	1238	92.4,92.4
70	42.78	42.29	42.73	42.24	41.56	41.40	42.33	42.82	60- 70	67.40	1305	97.4,97.4
80	12.95	12.68	12.09	12.49	12.84	12.82	12.56	12.73	70- 80	26.82	1332	99.4,99.4
90	0.0364	0.0283	0.0201	0.0251	0.0352	0.0367	0.0389	0.0392	80- 90	5.897	1338	99.9,99.9
100	0.0307	0.0310	0.0313	0.0313	0.0650	0.0656	0.0672	0.0653	90-100	0.0400	1338	99.9,99.9
110	0.0541	0.0535	0.0554	0.0556	0.1004	0.1004	0.1013	0.0995	100-110	0.0666	1338	99.9,99.9
120	0.1014	0.1005	0.1030	0.1034	0.1527	0.1537	0.1527	0.1511	110-120	0.0978	1338	99.9,99.9
130	0.1874	0.1875	0.1899	0.1922	0.2717	0.2730	0.2701	0.2689	120-130	0.1544	1338	99.9,99.9
140	0.3191	0.3200	0.3234	0.3260	0.4889	0.4870	0.4827	0.4823	130-140	0.2375	1338	99.9,99.9
150	0.4917	0.4963	0.5012	0.5025	0.8457	0.8415	0.8392	0.8389	140-150	0.3330	1339	99.9,99.9
160	0.6405	0.6434	0.6494	0.6498	1.086	1.086	1.084	1.090	150-160	0.3595	1339	100,100
170	0.6936	0.6978	0.7028	0.6999	1.020	1.018	1.015	1.023	160-170	0.2496	1339	100,100
180	0.8381	0.8331	0.8318	0.8442	0.8345	0.8335	0.8268	0.8316	170-180	0.0801	1339	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1015.1 lm

%lum = 75.8%

%lamp = 75.8%

Conical surface Flux(120deg): 1237.7 lm

%lum = 92.4%

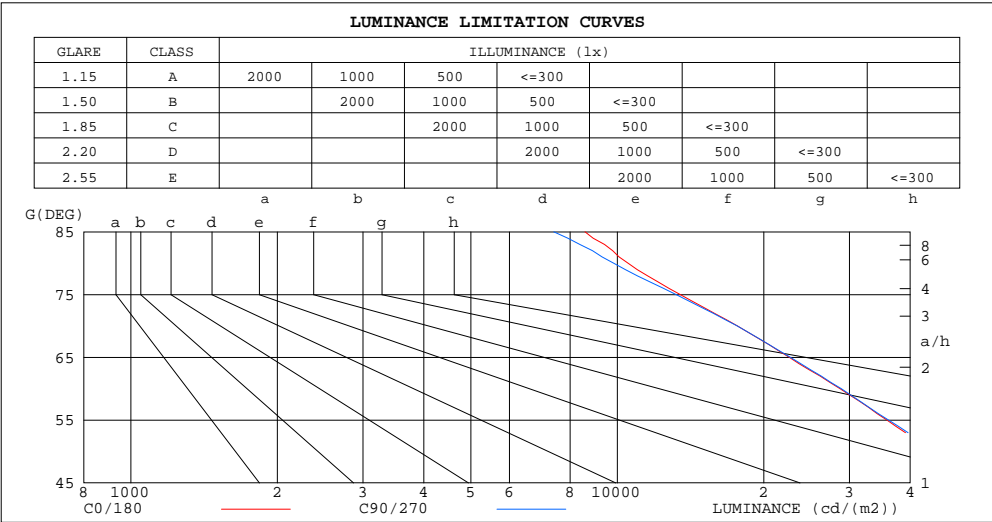
%lamp = 92.4%

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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8584	7403
80	10524	9827
75	13473	13207
70	17657	17634
65	22557	22686
60	28687	28873
55	35837	36099
50	44274	44744
45	52955	52953

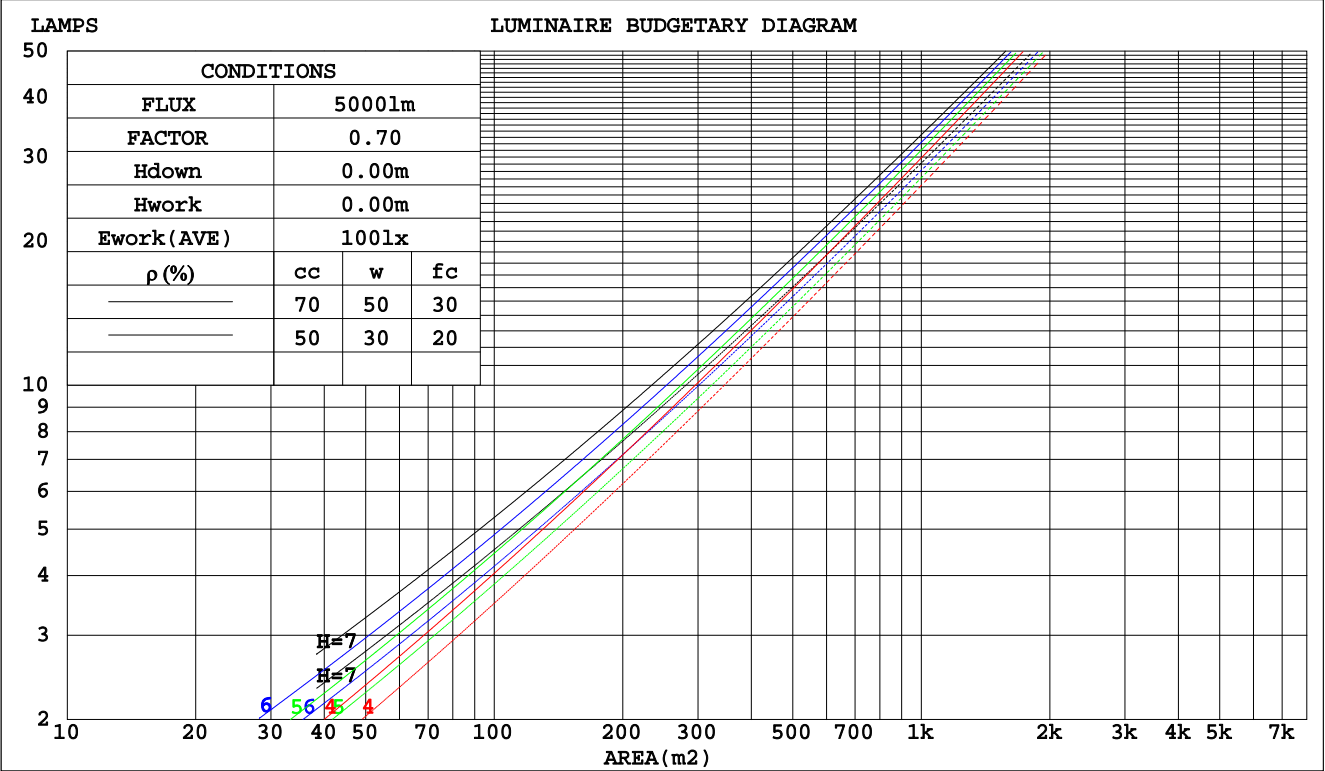
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators:Alan Wang  
Test Date:15 October 2024

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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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	.228	.129	.041	.221	.126	.040	.208	.119	.038	.196	.113	.036	.185	.107	.035		
2.0	.219	.120	.037	.213	.117	.036	.202	.112	.035	.192	.108	.034	.182	.103	.033		
3.0	.207	.110	.033	.202	.108	.033	.193	.104	.032	.184	.101	.031	.175	.097	.030		
4.0	.195	.101	.030	.191	.100	.030	.182	.097	.029	.174	.094	.028	.167	.091	.028		
5.0	.184	.094	.027	.180	.092	.027	.172	.090	.026	.165	.087	.026	.159	.085	.026		
6.0	.173	.087	.025	.169	.086	.025	.163	.083	.024	.157	.081	.024	.151	.079	.024		
7.0	.163	.081	.023	.160	.080	.023	.154	.078	.022	.149	.076	.022	.143	.075	.022		
8.0	.154	.075	.021	.151	.075	.021	.146	.073	.021	.141	.072	.021	.137	.070	.020		
9.0	.146	.071	.020	.143	.070	.020	.139	.069	.019	.134	.067	.019	.130	.066	.019		
10.0	.138	.066	.018	.136	.066	.018	.132	.065	.018	.128	.064	.018	.124	.062	.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	.163	.133	.108	.140	.115	.093	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.115	.084	.131	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.101	.067	.124	.087	.058	.085	.061	.041	.049	.036	.024	.016	.012	.008	
5.0	.137	.090	.055	.117	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.129	.081	.046	.111	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.123	.074	.039	.106	.064	.034	.073	.045	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.068	.034	.101	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.111	.062	.029	.096	.054	.026	.066	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.106	.058	.026	.092	.050	.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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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	24.1	25.3	24.3	25.4	25.6	24.1	25.3	24.3	25.4	25.6
3H	24.5	25.6	24.8	25.8	26.0	24.5	25.6	24.8	25.8	26.1
4H	24.6	25.7	24.9	25.9	26.1	24.6	25.7	24.9	25.9	26.1
6H	24.7	25.6	25.0	25.9	26.1	24.6	25.6	25.0	25.9	26.1
8H	24.6	25.6	25.0	25.9	26.1	24.6	25.6	25.0	25.8	26.1
12H	24.6	25.5	25.0	25.8	26.1	24.6	25.5	25.0	25.8	26.1
4H 2H	24.3	25.3	24.5	25.5	25.8	24.3	25.3	24.6	25.5	25.8
3H	24.8	25.7	25.2	26.0	26.3	24.8	25.7	25.2	26.0	26.3
4H	25.0	25.8	25.4	26.1	26.4	25.0	25.8	25.4	26.1	26.5
6H	25.1	25.8	25.5	26.2	26.5	25.1	25.8	25.5	26.2	26.5
8H	25.1	25.8	25.5	26.1	26.5	25.1	25.8	25.5	26.1	26.5
12H	25.1	25.7	25.5	26.1	26.5	25.1	25.7	25.5	26.1	26.5
8H 4H	25.0	25.7	25.4	26.0	26.4	25.0	25.7	25.4	26.0	26.4
6H	25.2	25.7	25.6	26.1	26.5	25.1	25.7	25.6	26.1	26.5
8H	25.2	25.7	25.7	26.1	26.6	25.2	25.7	25.6	26.1	26.5
12H	25.2	25.6	25.7	26.1	26.6	25.2	25.6	25.7	26.1	26.5
12H 4H	25.0	25.6	25.4	26.0	26.4	25.0	25.6	25.4	26.0	26.4
6H	25.1	25.6	25.6	26.0	26.5	25.1	25.6	25.6	26.0	26.5
8H	25.2	25.6	25.7	26.1	26.5	25.2	25.6	25.7	26.0	26.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9				
1.5H	+ 0.4 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.4 / - 1.3					+ 1.4 / - 1.4				

CIE Pub.117, 1339 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.0$ )  
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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

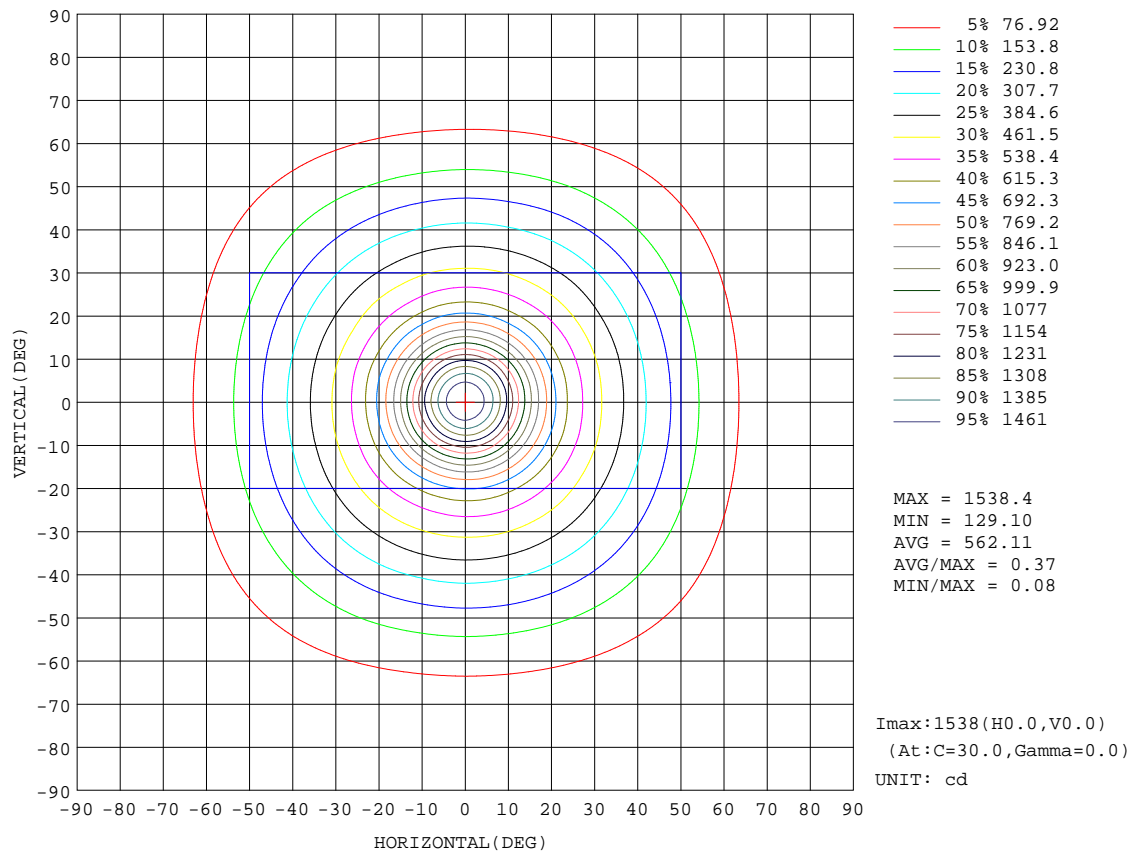
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	62	56	69	61	56	51
0.80	81	72	66	80	71	66	78	71	65	60
1.00	88	79	74	87	79	74	85	79	73	68
1.25	94	86	81	92	85	80	90	84	79	74
1.50	97	90	85	96	90	85	93	88	84	78
2.00	102	96	92	101	95	91	98	93	89	83
2.50	105	99	95	103	98	94	100	96	92	85
3.00	107	103	99	106	101	98	102	98	95	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: 25.0DEG  
 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:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



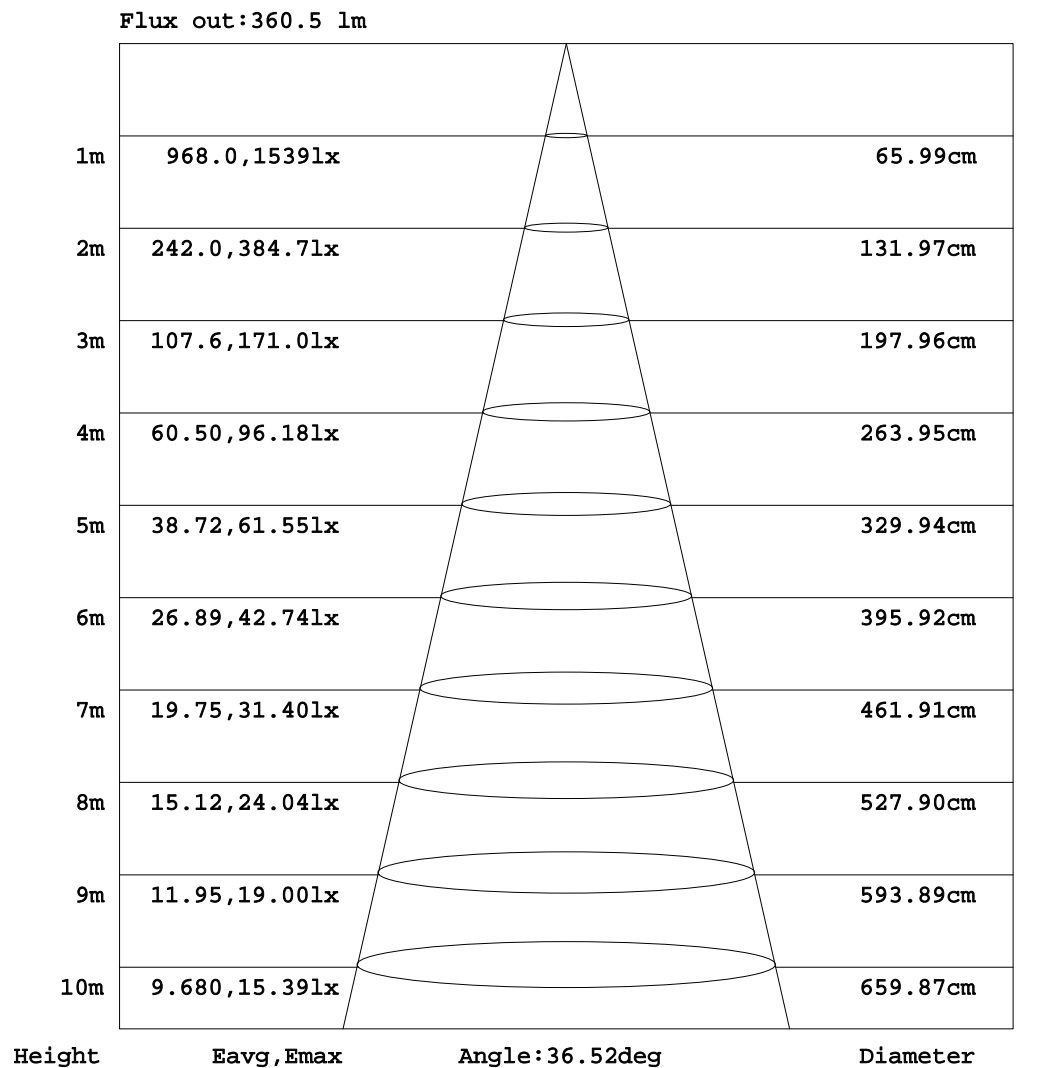
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 15 October 2024

$\gamma$  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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



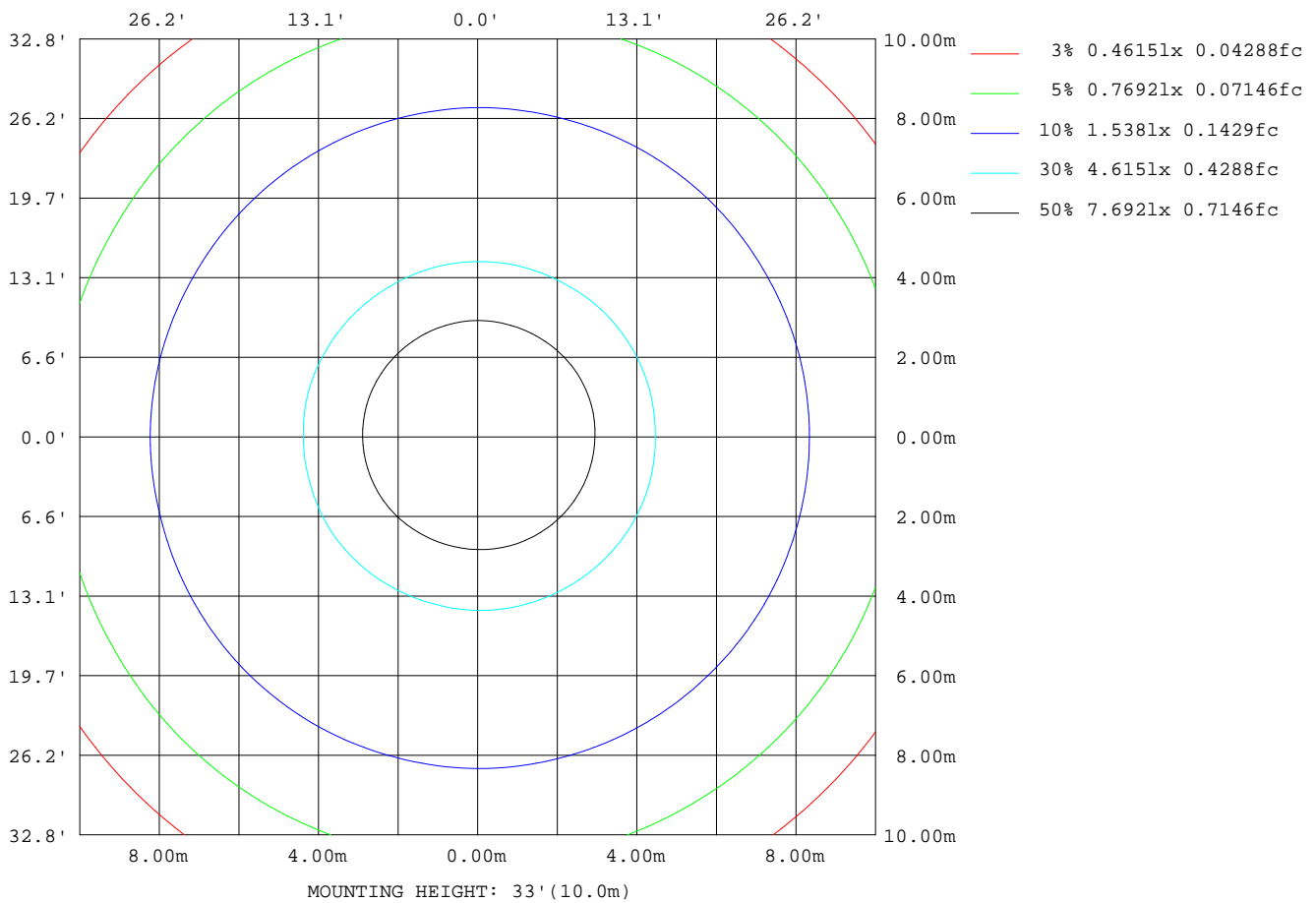
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

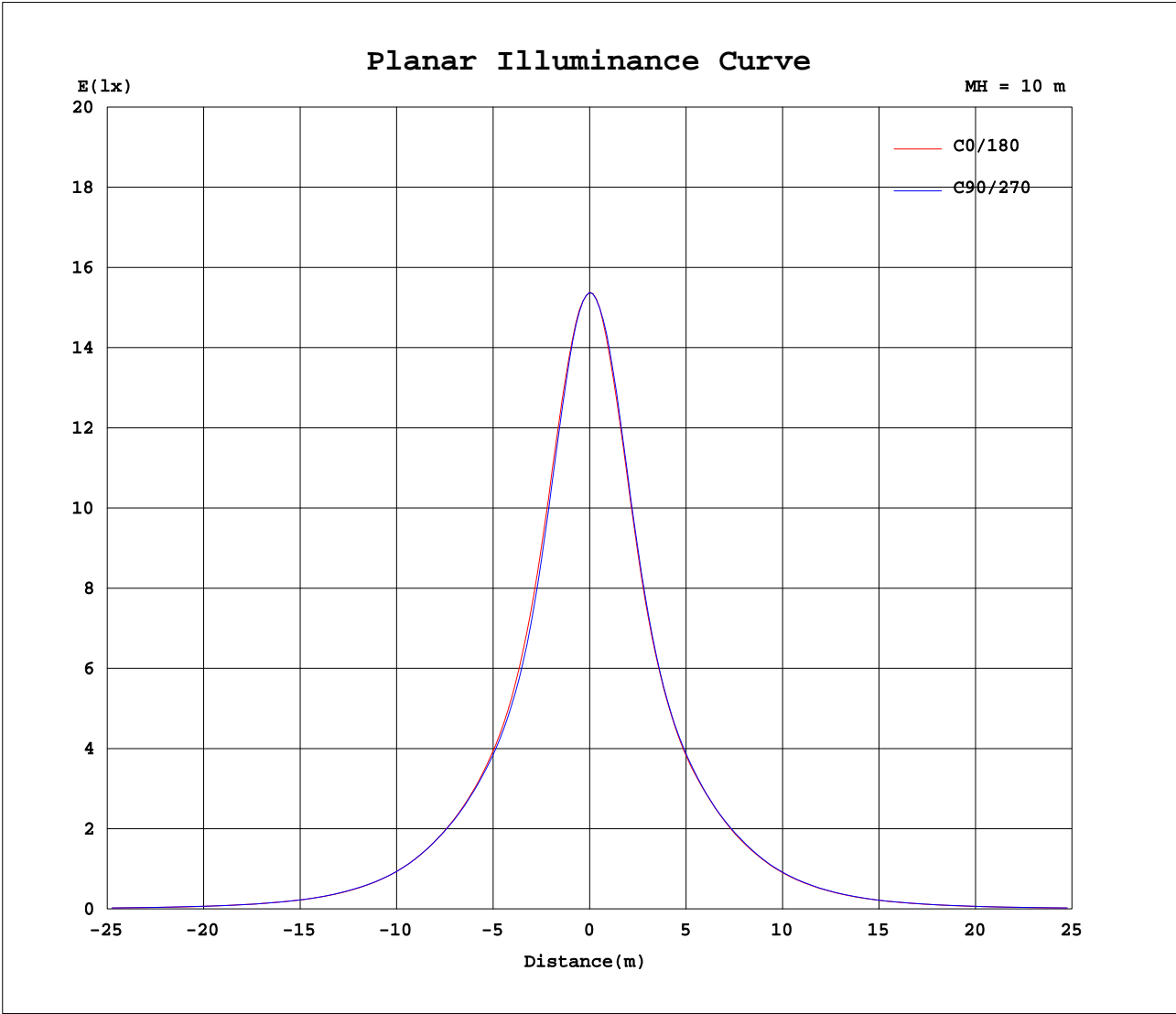
AvgL	cd/m2
L_0~180(65)av	22211
L_0~180(75)av	13341
L_0~180(85)av	8563
L_90~270(65)av	22488
L_90~270(75)av	13286
L_90~270(85)av	7806
L_45(65)av	22292
L_45(75)av	13301
L_45(85)av	8158

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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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	1538	1538	1539	1538	1538	1537	1538	1537	1537	1537	1537	1537	1538	1538	1539	1538	1538	1537	1538
5	1440	1440	1438	1434	1432	1432	1433	1432	1431	1432	1433	1434	1439	1441	1444	1446	1447	1451	1452
10	1208	1201	1197	1194	1189	1184	1180	1176	1179	1182	1185	1191	1200	1201	1200	1205	1209	1212	1213
15	939	932	928	920	916	909	902	898	900	908	914	917	922	926	926	926	926	930	934
20	726	726	721	715	707	702	695	693	695	701	705	707	711	715	713	713	711	714	715
25	584	586	583	578	573	569	568	564	564	567	569	566	568	571	569	568	567	570	573
30	488	490	488	488	485	484	482	480	479	479	477	476	476	476	471	475	474	478	479
35	410	410	409	410	408	407	407	406	405	403	401	399	398	397	395	397	396	400	401
40	337	336	337	337	337	336	336	334	334	332	328	325	326	325	323	324	326	328	331
45	265	266	266	266	265	266	265	263	263	262	258	257	257	256	254	255	256	258	260
50	202	202	202	202	203	204	204	202	202	199	197	196	195	194	193	194	194	196	198
55	146	146	146	146	146	146	147	145	145	143	141	140	140	140	140	141	141	141	143
60	102	102	102	102	101	102	102	101	101	100	99.0	98.2	97.9	97.8	97.8	97.8	97.6	98.4	99.6
65	67.5	67.3	67.5	67.1	67.3	67.7	67.9	67.3	67.4	67.0	66.2	65.2	65.5	65.0	65.3	65.2	65.4	65.9	66.7
70	42.8	42.4	42.4	42.3	42.5	42.6	42.7	42.4	42.6	42.2	41.8	41.4	41.6	41.2	41.3	41.4	41.8	42.1	42.3
75	24.7	24.5	24.3	24.3	24.5	24.4	24.2	24.3	24.5	24.3	24.2	24.1	24.2	24.1	24.2	24.2	24.5	24.4	24.5
80	12.9	12.9	12.7	12.7	12.5	12.2	12.1	12.2	12.5	12.5	12.6	12.7	12.8	12.8	12.8	12.8	12.7	12.6	12.6
85	5.30	5.04	4.82	4.92	4.89	4.73	4.57	4.77	4.89	4.86	4.92	5.20	5.27	5.11	4.99	5.15	5.25	5.16	5.07
90	0.04	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.07	0.07	0.07	0.07	0.07	0.07
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	0.04	0.09	0.09	0.09	0.09	0.09	0.09
110	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.12	0.12	0.12	0.12	0.12	0.12	0.12
120	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	0.15	0.15	0.15	0.15	0.15
125	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.20	0.20	0.20	0.20	0.20	0.20	0.20
130	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.27	0.27	0.27	0.27	0.27	0.27	0.27
135	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.36	0.36	0.36	0.36	0.36	0.36	0.36
140	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.49	0.49	0.49	0.49	0.48	0.48	0.48
145	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.66	0.66	0.66	0.66	0.66	0.66	0.66
150	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.85	0.84	0.84	0.84	0.84	0.84	0.84
155	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.99	0.98	0.98	0.98	0.98	0.98	0.98
160	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	1.09	1.09	1.09	1.09	1.09	1.09	1.08
165	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	1.10	1.10	1.10	1.10	1.10	1.10	1.10
170	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	1.02	1.02	1.02	1.02	1.02	1.02	1.02
175	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.93	0.93	0.93	0.92	0.92	0.92	0.92
180	0.84	0.83	0.83	0.83	0.84	0.84	0.83	0.84	0.84	0.84	0.84	0.85	0.83	0.84	0.83	0.83	0.83	0.83	0.83

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:0.0836A P:9.85W PF:0.9821 Freq:60.00Hz Lamp Flux:1339.48x1 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	1537	1537	1537	1537	1537													
5	1450	1449	1447	1446	1443													
10	1215	1218	1218	1216	1215													
15	933	936	942	946	945													
20	716	719	726	729	730													
25	574	577	582	585	586													
30	481	482	488	489	491													
35	403	405	408	408	411													
40	331	333	335	335	337													
45	260	263	264	264	264													
50	198	200	201	201	201													
55	143	145	144	144	145													
60	100	101	100	101	101													
65	67.1	67.3	67.7	67.5	67.6													
70	42.6	42.8	42.8	42.7	42.9													
75	24.8	24.8	24.7	24.7	24.8													
80	12.8	12.8	12.7	12.8	12.9													
85	5.27	5.35	5.21	5.22	5.39													
90	0.04	0.04	0.04	0.04	0.04													
95	0.05	0.05	0.05	0.05	0.05													
100	0.07	0.07	0.07	0.06	0.06													
105	0.09	0.09	0.08	0.08	0.08													
110	0.10	0.10	0.10	0.10	0.10													
115	0.12	0.12	0.12	0.12	0.12													
120	0.15	0.15	0.15	0.15	0.15													
125	0.20	0.20	0.20	0.20	0.20													
130	0.27	0.27	0.27	0.27	0.27													
135	0.36	0.36	0.36	0.36	0.36													
140	0.48	0.48	0.48	0.48	0.48													
145	0.66	0.66	0.66	0.66	0.66													
150	0.84	0.84	0.84	0.84	0.84													
155	0.98	0.98	0.98	0.98	0.98													
160	1.09	1.09	1.09	1.09	1.09													
165	1.10	1.10	1.10	1.10	1.10													
170	1.02	1.02	1.02	1.03	1.03													
175	0.92	0.92	0.93	0.93	0.93													
180	0.83	0.83	0.83	0.83	0.84													

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: