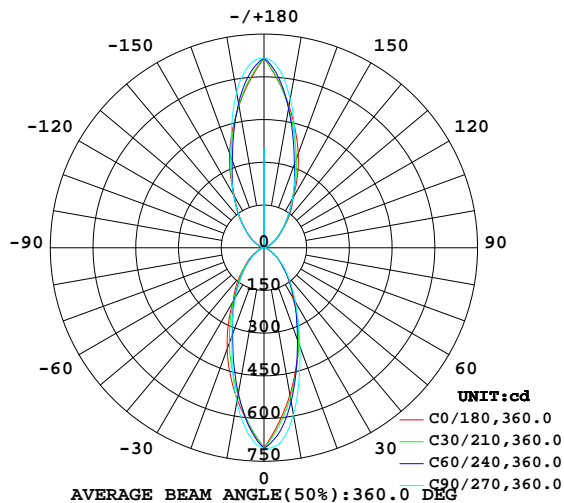


## LUMINAIRE PHOTOMETRIC TEST REPORT

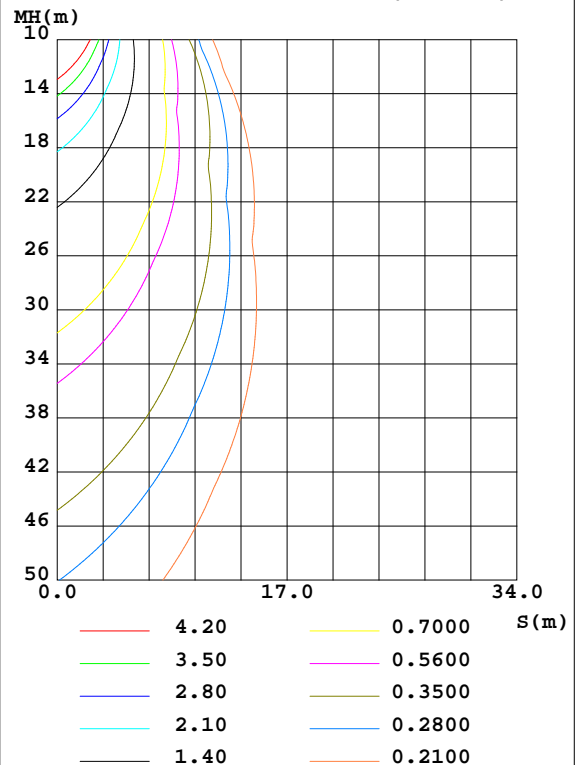
Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.57 lm/W			
MODEL	INDEPS010UNHD8SC2R3BZP	I <sub>max</sub> (cd)	705.7	S/MH(C0/180)	0.65
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	1098.4	η UP,DN(C0-180)	24.2,26.1
NOMINAL FLUX(lm)	1098.39	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.1,24.6
LAMPS INSIDE	1	η up(%)	49.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	50.7	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: 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	524.4	540.1	596.8	550.1	541.0	519.6	548.8	508.8	0- 10	57.36	57.36	5.22,5.22
20	357.2	350.0	368.6	360.8	378.4	340.7	331.6	324.7	10- 20	121.5	178.9	16.3,16.3
30	201.9	213.1	220.6	223.9	215.6	209.7	199.7	200.1	20- 30	125.5	304.4	27.7,27.7
40	127.5	124.9	131.3	132.5	136.2	123.6	119.2	117.7	30- 40	102.5	406.8	37,37
50	70.23	69.91	71.99	74.53	75.20	68.03	63.85	64.37	40- 50	73.49	480.3	43.7,43.7
60	29.96	33.90	33.55	36.65	32.70	32.71	28.87	30.50	50- 60	44.20	524.5	47.8,47.8
70	14.41	13.57	13.78	14.86	15.91	12.73	10.97	11.65	60- 70	21.55	546.1	49.7,49.7
80	4.432	3.972	4.319	4.497	5.015	3.568	2.895	3.065	70- 80	8.444	554.5	50.5,50.5
90	0.0374	0.0615	0.0831	0.0526	0.0307	0.0428	0.0363	0.0434	80- 90	2.009	556.5	50.7,50.7
100	4.359	3.121	2.989	3.246	4.486	3.594	3.334	3.473	90-100	1.808	558.3	50.8,50.8
110	14.87	12.46	11.83	12.69	14.97	13.59	12.30	13.43	100-110	8.066	566.4	51.6,51.6
120	31.58	32.72	31.06	32.92	31.49	35.06	32.52	34.84	110-120	21.60	588.0	53.5,53.5
130	72.56	68.01	66.88	67.74	72.41	72.16	70.92	71.15	120-130	44.68	632.7	57.6,57.6
140	130.3	122.1	120.7	121.1	130.1	127.3	128.1	125.9	130-140	73.45	706.1	64.3,64.3
150	204.9	204.5	200.2	201.2	204.5	211.7	212.8	210.3	140-150	101.1	807.3	73.5,73.5
160	352.3	323.9	323.0	322.9	353.3	334.5	339.3	331.6	150-160	121.2	928.5	84.5,84.5
170	506.1	496.3	530.7	497.1	507.2	510.2	554.7	508.7	160-170	115.5	1044	95,95
180	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	170-180	54.43	1098	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 447.52 lm

%lum = 40.7%

%lamp = 40.7%

Conical surface Flux(120deg): 524.52 lm

%lum = 47.8%

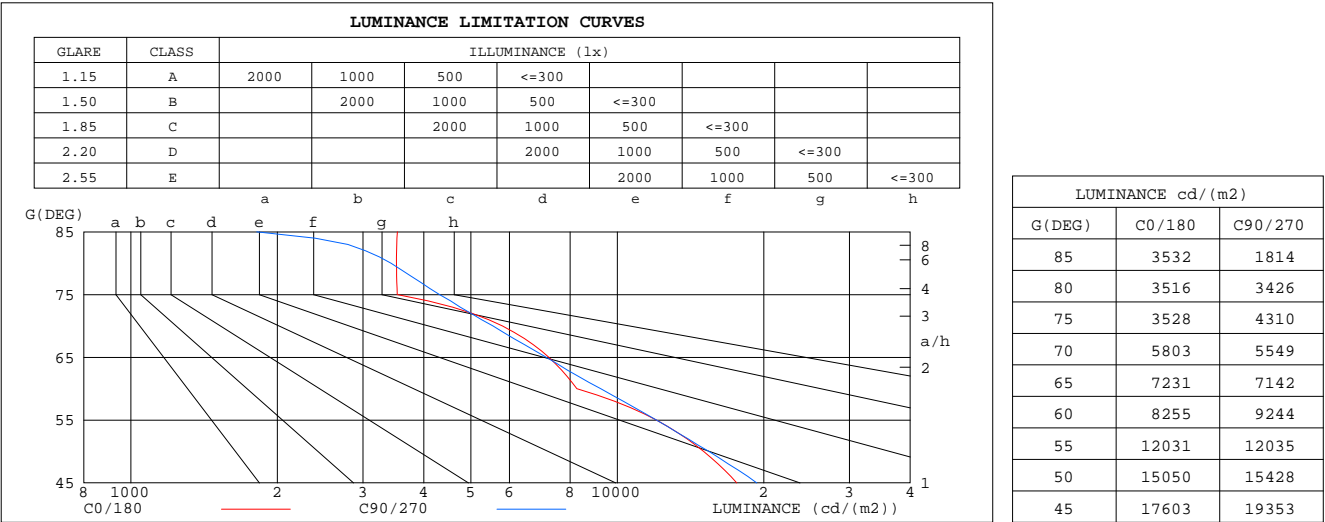
%lamp = 47.8%

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: 2.500m [K=1.0461]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



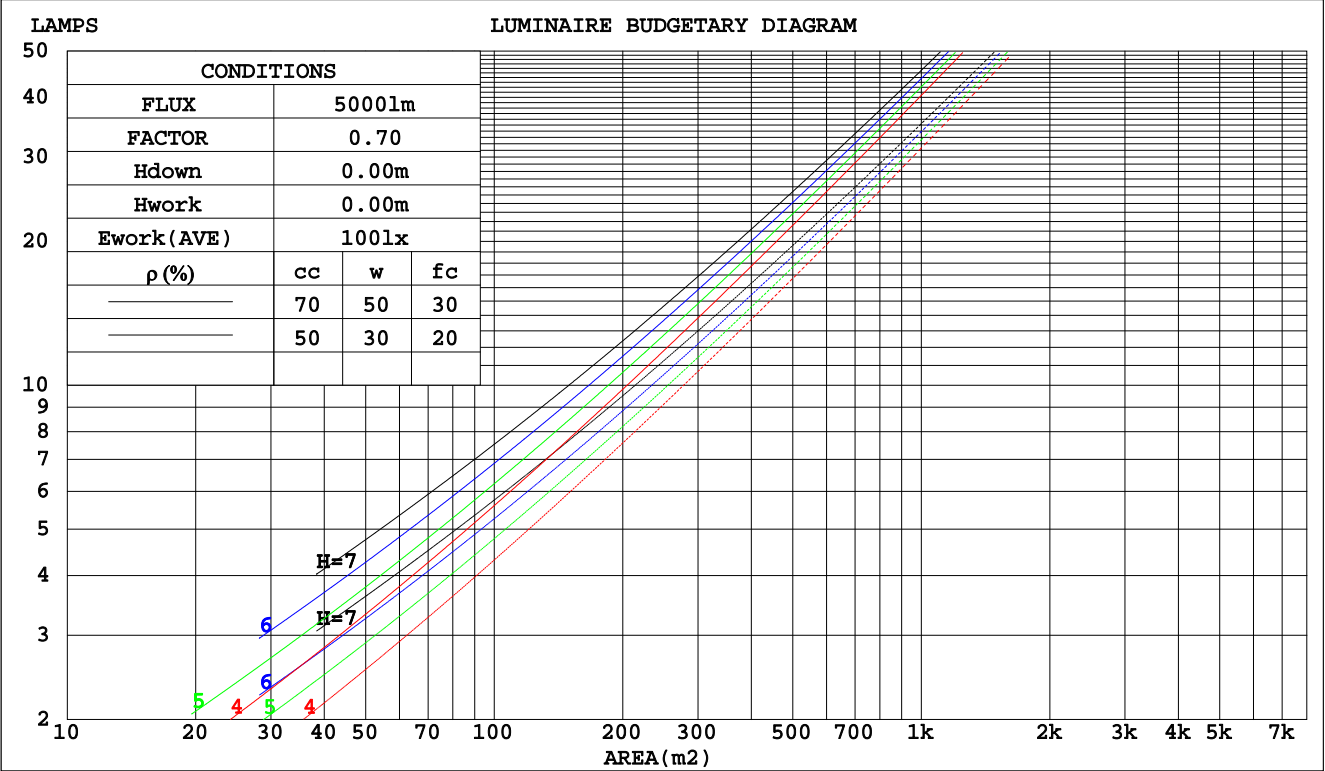
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 22 October 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.9%  
Test Distance: 2.500m [K=1.0461]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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                      Coefficients of Utilization(CU)															
0.0	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.96	.93	.90	.89	.86	.84	.76	.74	.72	.64	.62	.61	.53	.52	.51	.46
2.0	.86	.81	.76	.80	.75	.72	.69	.65	.63	.58	.56	.54	.49	.47	.46	.41
3.0	.77	.71	.66	.72	.67	.62	.62	.58	.55	.53	.50	.48	.45	.43	.41	.37
4.0	.70	.63	.58	.65	.59	.55	.57	.52	.49	.49	.46	.43	.42	.39	.37	.34
5.0	.63	.56	.51	.59	.53	.49	.52	.47	.44	.45	.42	.39	.39	.36	.34	.31
6.0	.58	.51	.46	.54	.48	.44	.48	.43	.39	.42	.38	.35	.36	.33	.31	.29
7.0	.53	.46	.41	.50	.44	.39	.44	.39	.36	.39	.35	.32	.34	.31	.29	.26
8.0	.49	.42	.37	.46	.40	.36	.41	.36	.33	.36	.32	.30	.32	.29	.27	.25
9.0	.45	.39	.34	.43	.37	.33	.38	.33	.30	.34	.30	.28	.30	.27	.25	.23
10.0	.42	.36	.31	.40	.34	.30	.36	.31	.28	.32	.28	.26	.28	.25	.23	.21



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: 2.500m [K=1.0461]  
Remarks:

## WEC AND CCEC

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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	.236	.134	.043	.214	.122	.039	.173	.099	.032	.136	.078	.025	.101	.059	.019	
2.0	.222	.121	.037	.202	.111	.034	.165	.092	.028	.131	.073	.023	.099	.056	.018	
3.0	.207	.110	.033	.189	.101	.030	.155	.084	.026	.124	.068	.021	.095	.053	.016	
4.0	.194	.101	.030	.177	.093	.027	.146	.078	.023	.118	.063	.019	.091	.049	.015	
5.0	.181	.092	.027	.166	.085	.025	.138	.072	.021	.111	.059	.017	.086	.046	.014	
6.0	.170	.085	.024	.156	.079	.023	.130	.067	.019	.105	.055	.016	.082	.043	.013	
7.0	.160	.079	.022	.147	.073	.021	.123	.062	.018	.100	.051	.015	.078	.041	.012	
8.0	.151	.074	.021	.139	.068	.019	.116	.058	.017	.095	.048	.014	.075	.038	.011	
9.0	.142	.069	.019	.131	.064	.018	.110	.054	.015	.090	.045	.013	.071	.036	.010	
10.0	.135	.065	.018	.124	.060	.017	.104	.051	.014	.086	.043	.012	.068	.034	.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	.566	.566	.566	.484	.484	.484	.330	.330	.330	.190	.190	.190	.061	.061	.061	
1.0	.554	.536	.519	.474	.460	.447	.324	.316	.309	.187	.183	.180	.060	.059	.058	
2.0	.544	.514	.488	.466	.442	.422	.320	.306	.294	.184	.178	.172	.059	.058	.056	
3.0	.536	.497	.467	.459	.429	.405	.315	.298	.284	.182	.174	.167	.059	.057	.055	
4.0	.528	.485	.452	.453	.419	.393	.312	.292	.276	.180	.171	.164	.058	.056	.054	
5.0	.522	.475	.441	.448	.411	.384	.309	.287	.271	.179	.169	.161	.058	.055	.053	
6.0	.515	.467	.433	.443	.405	.377	.306	.283	.267	.177	.167	.159	.057	.054	.052	
7.0	.509	.461	.427	.438	.400	.372	.303	.280	.264	.176	.165	.157	.057	.054	.052	
8.0	.504	.456	.423	.434	.395	.369	.300	.278	.261	.175	.164	.156	.056	.054	.052	
9.0	.499	.451	.419	.430	.392	.366	.298	.275	.260	.173	.163	.155	.056	.053	.051	
10.0	.494	.447	.416	.426	.389	.363	.296	.273	.258	.172	.162	.154	.056	.053	.051	

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: 2.500m [K=1.0461]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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		16.5	17.3	17.4	18.2	19.2	16.6	17.4	17.4	18.2	19.2
	3H	16.8	17.5	17.7	18.4	19.5	16.8	17.5	17.6	18.4	19.4
	4H	16.8	17.5	17.7	18.3	19.4	16.8	17.5	17.7	18.3	19.4
	6H	16.7	17.4	17.6	18.2	19.4	16.7	17.4	17.6	18.3	19.4
	8H	16.7	17.3	17.6	18.2	19.3	16.7	17.3	17.6	18.2	19.3
	12H	16.7	17.2	17.6	18.1	19.3	16.6	17.2	17.5	18.1	19.3
4H	2H	16.5	17.1	17.3	18.0	19.1	16.5	17.2	17.4	18.0	19.1
	3H	16.8	17.4	17.8	18.3	19.5	16.8	17.4	17.7	18.3	19.4
	4H	16.9	17.4	17.8	18.3	19.5	16.9	17.4	17.8	18.3	19.5
	6H	16.9	17.3	17.8	18.2	19.5	16.9	17.3	17.8	18.2	19.5
	8H	16.8	17.2	17.8	18.2	19.4	16.8	17.2	17.8	18.2	19.4
	12H	16.8	17.2	17.8	18.2	19.4	16.8	17.1	17.7	18.1	19.4
8H	4H	16.7	17.1	17.7	18.1	19.3	16.7	17.1	17.7	18.1	19.3
	6H	16.8	17.1	17.8	18.1	19.4	16.8	17.1	17.8	18.1	19.4
	8H	16.8	17.1	17.8	18.1	19.4	16.7	17.0	17.8	18.0	19.3
	12H	16.8	17.0	17.8	18.1	19.4	16.7	16.9	17.7	18.0	19.3
12H	4H	16.6	17.0	17.6	18.0	19.2	16.6	17.0	17.6	18.0	19.2
	6H	16.7	17.0	17.7	18.0	19.3	16.7	17.0	17.7	18.0	19.3
	8H	16.7	17.0	17.8	18.0	19.3	16.7	16.9	17.7	18.0	19.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 1.1					+ 0.8 / - 1.1					
1.5H	+ 0.7 / - 0.4					+ 0.7 / - 0.6					
2.0H	+ 1.6 / - 1.9					+ 1.8 / - 1.7					

CIE Pub.117, 1098 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.3$ )  
Area: 0.00725968 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: 2.500m [K=1.0461]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

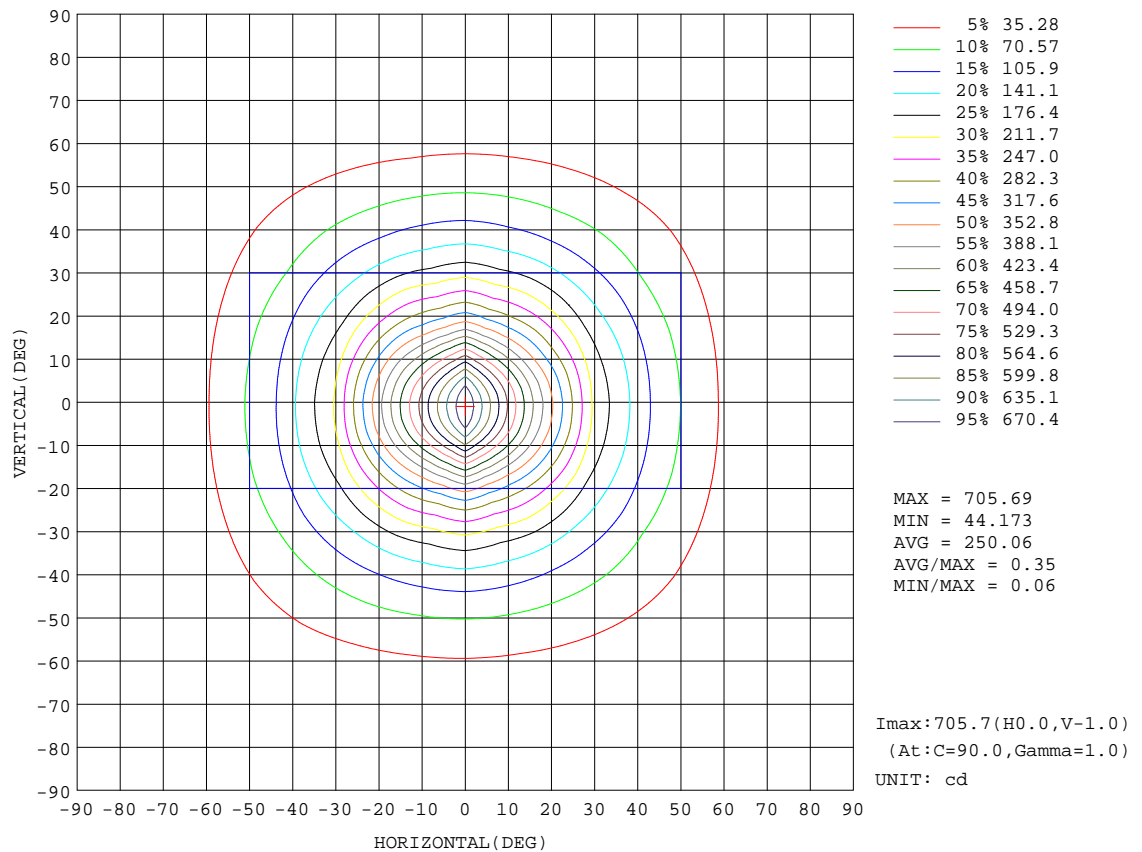
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	44	39	51	42	38	46	39	35	28
0.80	62	53	47	59	50	45	53	46	42	33
1.00	69	60	53	65	57	51	58	52	48	36
1.25	75	66	60	71	63	57	62	56	52	39
1.50	80	71	65	74	67	62	65	60	56	41
2.00	85	78	72	80	73	68	69	65	61	43
2.50	89	82	77	83	77	73	72	68	64	44
3.00	92	86	81	85	80	76	73	70	67	46
4.00	96	90	86	89	84	81	76	73	71	47
5.00	98	93	90	91	87	84	77	75	73	48
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: 2.500m [K=1.0461]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



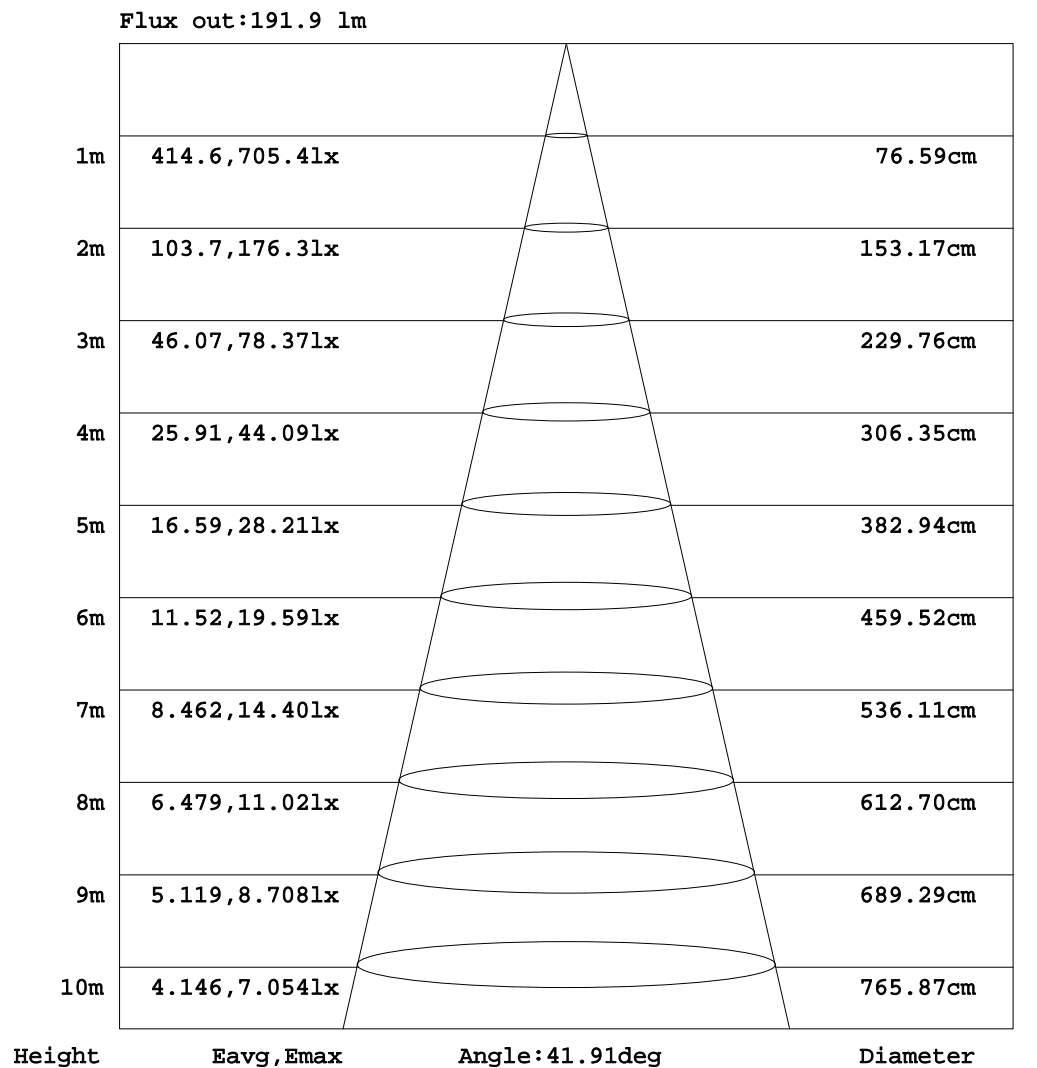
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 22 October 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.9%  
 Test Distance: 2.500m [K=1.0461]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



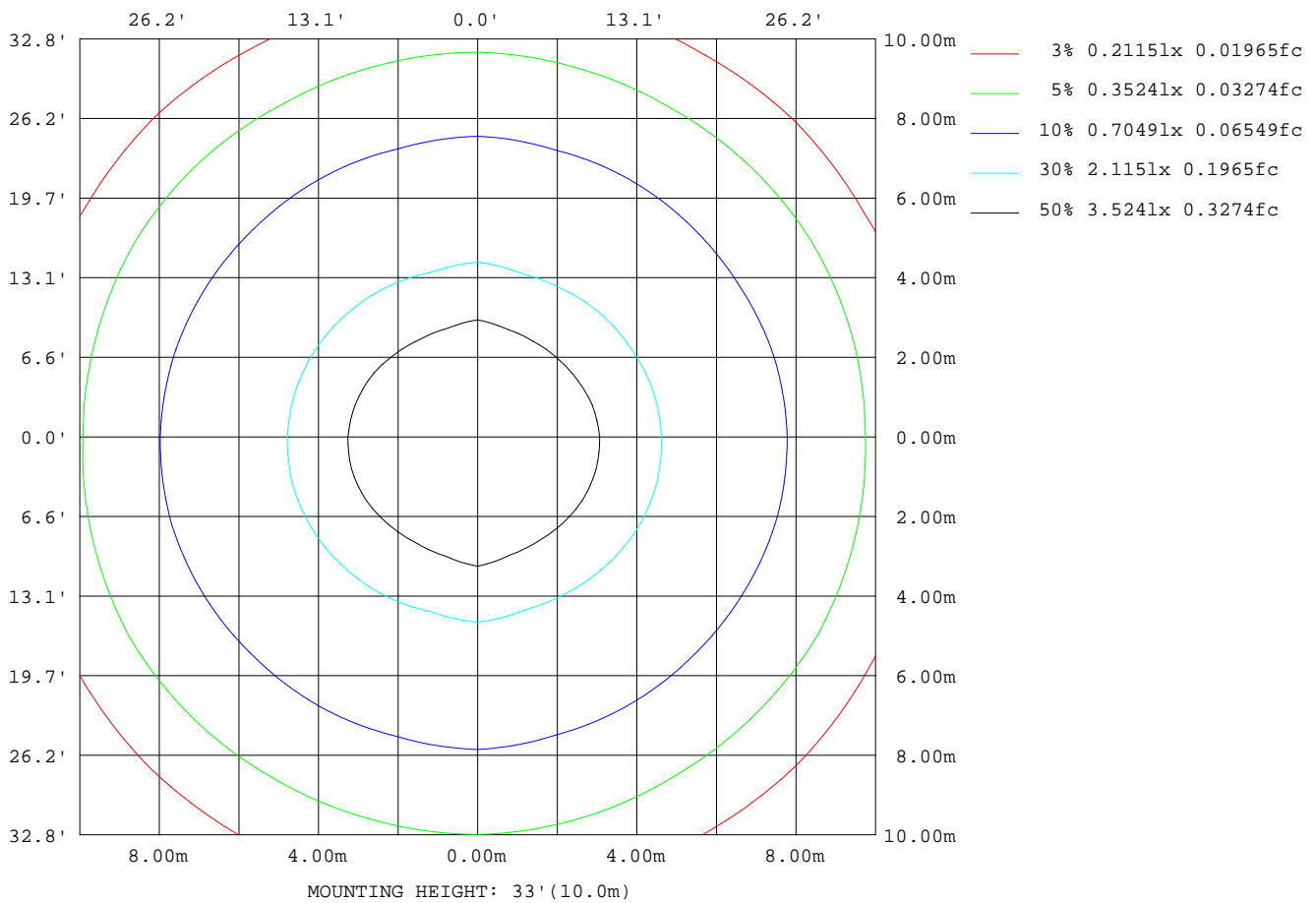
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:2.500m [K=1.0461]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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: 2.500m [K=1.0461]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

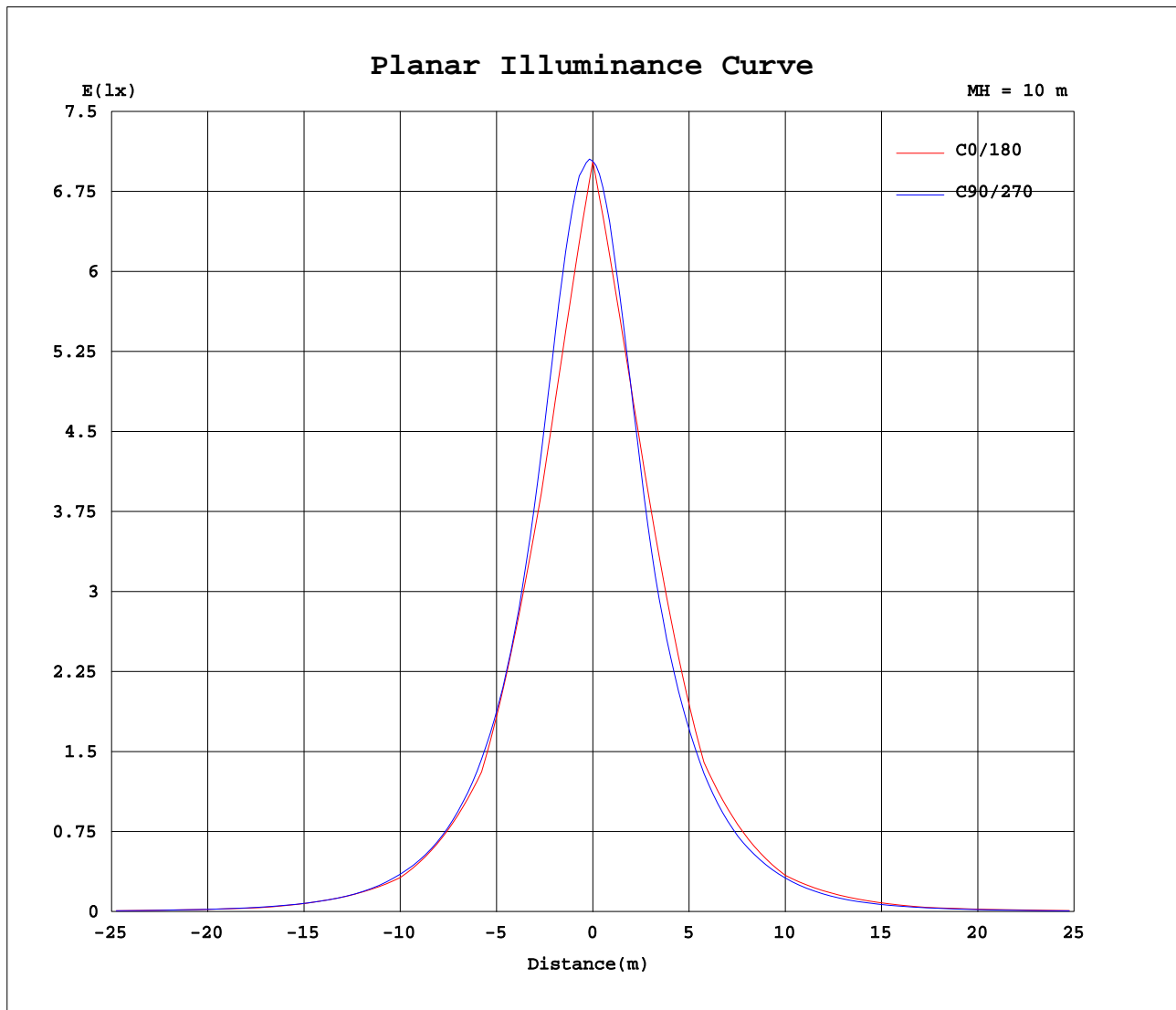
AvgL	cd/m2
L_0~180(65)av	7576
L_0~180(75)av	3762
L_0~180(85)av	3760
L_90~270(65)av	6579
L_90~270(75)av	3789
L_90~270(85)av	1152
L_45(65)av	7026
L_45(75)av	4314
L_45(85)av	2996

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: 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: 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:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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	703	703	703	703	703	703	703	703	703	703	703	703	703	703	703	703	703	703	703
5	614	618	624	634	647	663	684	665	651	640	631	626	622	620	619	620	626	637	654
10	524	529	534	540	549	567	597	570	555	550	548	545	541	535	527	520	520	528	549
15	435	439	441	439	440	450	477	453	446	451	459	463	460	451	437	424	413	413	430
20	357	359	356	350	344	347	369	351	352	361	372	379	378	368	356	341	324	319	332
25	280	283	281	275	270	269	283	272	280	286	293	299	297	289	279	268	260	250	258
30	202	208	214	213	214	210	221	213	221	224	226	221	216	215	214	210	205	195	200
35	165	165	162	164	165	164	171	166	171	173	172	176	176	171	164	161	157	151	155
40	128	129	128	125	126	127	131	129	131	132	136	138	136	133	129	124	120	118	119
45	90.4	93.2	96.1	95.4	95.1	97.3	99.3	98.8	99.4	101	103	100	96.5	96.4	96.6	94.0	90.1	89.4	89.2
50	70.2	70.5	68.7	69.9	69.7	70.5	72.0	71.9	73.7	74.5	73.9	75.9	75.2	72.8	68.7	68.0	65.5	63.8	63.9
55	50.1	51.1	50.9	47.8	49.4	49.0	50.1	50.1	51.8	51.5	54.9	55.1	54.0	52.8	50.7	46.4	45.5	43.5	43.6
60	30.0	32.0	34.1	33.9	33.1	33.0	33.6	33.8	34.8	36.7	37.1	34.6	32.7	33.3	34.0	32.7	30.3	28.5	28.9
65	22.2	22.3	21.1	22.0	21.5	21.7	21.9	22.4	22.8	23.9	23.1	24.3	24.3	23.3	21.0	20.9	19.3	17.9	18.5
70	14.4	14.7	14.5	13.6	13.7	13.5	13.8	13.9	14.7	14.9	15.9	16.1	15.9	15.4	14.3	12.7	11.9	10.3	11.0
75	6.63	7.12	8.01	8.40	7.80	7.86	8.10	8.19	8.57	9.28	8.89	7.99	7.51	7.48	7.85	7.76	6.48	5.30	6.14
80	4.43	4.41	4.24	3.97	4.22	4.19	4.32	4.43	4.72	4.50	4.77	4.97	5.02	4.63	4.14	3.57	3.21	2.04	2.89
85	2.23	2.22	2.14	2.01	1.76	1.18	1.15	1.37	2.01	2.26	2.40	2.50	2.52	2.32	2.08	1.79	1.17	0.23	0.31
90	0.04	0.04	0.04	0.06	0.08	0.08	0.08	0.08	0.07	0.05	0.04	0.03	0.03	0.03	0.04	0.04	0.06	0.08	0.04
95	2.20	2.08	1.85	1.57	1.17	0.50	0.47	0.62	1.27	1.63	1.92	2.13	2.26	2.19	2.07	1.81	1.52	1.02	0.85
100	4.36	4.13	3.67	3.12	3.20	2.88	2.99	3.13	3.34	3.25	3.81	4.24	4.49	4.36	4.11	3.59	3.81	3.55	3.33
105	6.52	6.75	7.27	7.38	6.49	6.30	6.44	6.49	6.61	7.55	7.47	6.90	6.71	7.10	8.00	8.15	7.33	7.17	6.80
110	14.9	14.5	13.8	12.5	12.1	11.7	11.8	11.9	12.2	12.7	14.0	14.6	15.0	15.1	14.9	13.6	13.4	12.8	12.3
115	23.2	22.3	20.6	20.8	19.6	19.8	20.0	19.9	19.8	21.0	20.8	22.4	23.2	23.2	22.0	22.4	21.7	21.2	20.7
120	31.6	32.1	33.6	32.7	30.8	30.4	31.1	30.6	31.2	32.9	33.9	32.4	31.5	33.3	35.4	35.1	33.9	32.7	32.5
125	52.1	51.2	50.1	46.7	46.4	45.8	46.6	45.9	46.8	46.7	50.4	51.9	51.9	52.7	52.7	49.7	50.9	49.3	49.6
130	72.6	70.8	67.8	68.0	66.4	66.3	66.9	66.1	66.6	67.7	68.0	71.6	72.4	72.3	70.9	72.2	71.9	71.0	70.9
135	93.1	93.7	94.9	93.0	90.5	91.4	91.3	90.5	90.4	92.7	94.4	94.3	92.9	95.2	98.2	98.0	96.3	97.2	97.1
140	130	129	126	122	120	118	121	118	119	121	125	129	130	131	129	127	127	126	128
145	168	165	159	159	157	152	156	151	154	156	158	164	167	167	163	165	165	162	166
150	205	206	206	204	201	194	200	193	199	201	206	206	204	208	212	212	212	206	213
155	279	273	265	259	253	246	256	245	250	257	265	274	279	278	273	268	264	259	269
160	352	345	332	324	314	310	323	309	312	323	333	347	353	351	341	334	326	325	339
165	426	421	411	401	396	400	419	399	396	402	412	423	428	428	422	415	413	418	439
170	506	503	500	496	497	508	531	508	497	497	500	505	507	509	509	510	516	529	555
175	586	586	587	592	599	611	628	611	599	592	588	586	587	589	593	599	608	622	639
180	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666	666

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: 2.500m [K=1.0461]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0658A P:7.87W PF:0.9960 Freq:60.00Hz Lamp Flux:1098.39x1 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	703	703	703	703	703														
5	635	622	615	612	612														
10	524	512	509	514	520														
15	409	404	407	417	428														
20	315	316	325	334	348														
25	246	251	258	263	273														
30	192	198	200	203	203														
35	150	152	154	154	161														
40	116	116	118	121	125														
45	87.7	86.9	88.9	90.8	90.9														
50	62.8	62.9	64.4	64.3	68.4														
55	43.0	43.5	43.6	47.4	49.3														
60	28.8	28.9	30.5	31.6	30.5														
65	19.0	18.4	19.4	19.4	21.1														
70	11.9	11.5	11.7	13.1	13.8														
75	7.22	6.41	6.98	7.08	6.61														
80	4.01	3.28	3.06	3.66	4.07														
85	1.42	1.26	1.53	1.84	2.05														
90	0.07	0.06	0.04	0.04	0.04														
95	0.88	1.42	1.74	1.98	2.15														
100	3.41	3.62	3.47	3.95	4.26														
105	6.83	7.04	8.01	7.73	6.95														
110	12.3	13.0	13.4	14.5	14.9														
115	20.6	21.0	22.3	21.5	22.9														
120	32.0	32.9	34.8	35.1	33.0														
125	48.4	49.3	49.2	52.2	52.6														
130	69.9	70.6	71.1	70.5	72.4														
135	95.9	95.2	96.6	98.0	95.5														
140	125	125	126	130	131														
145	160	163	163	164	167														
150	204	210	210	211	208														
155	257	261	266	271	277														
160	324	324	332	340	349														
165	417	412	414	419	423														
170	529	515	509	507	506														
175	621	608	598	591	588														
180	666	666	666	666	666														

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

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

Humidity: 40.9%

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Remarks: