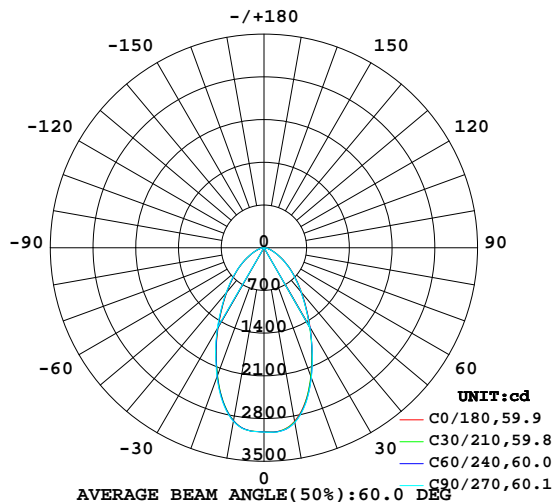


LUMINAIRE PHOTOMETRIC TEST REPORT

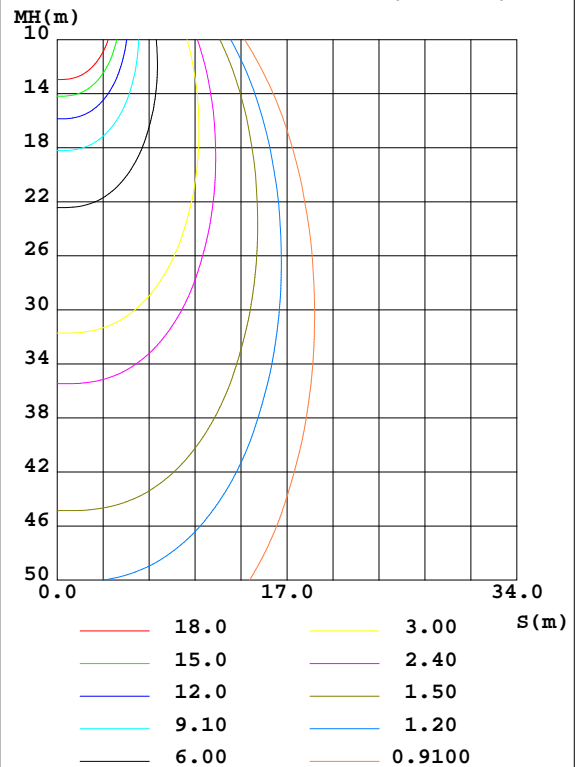
Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.29 lm/W			
MODEL	INDEPS030UNHD8SC2R6BZP	I _{max} (cd)	3028	S/MH(C0/180)	0.87
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3923.7	η UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	3923.68	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.2
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	0.95

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: 16 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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2887	2902	2907	2899	2881	2877	2889	2890	0- 10	283.8	283.8	7.23,7.23
20	2253	2249	2269	2270	2235	2231	2255	2262	10- 20	728.3	1012	25.8,25.8
30	1514	1501	1503	1511	1505	1513	1531	1542	20- 30	857.0	1869	47.6,47.6
40	959.1	945.9	956.4	941.0	947.2	957.0	969.2	979.5	30- 40	757.8	2627	67,67
50	582.3	575.6	569.3	567.0	572.5	576.7	584.9	588.5	40- 50	581.7	3209	81.8,81.8
60	306.0	303.9	297.9	292.8	299.7	304.7	307.7	307.5	50- 60	384.9	3593	91.6,91.6
70	138.9	138.0	135.6	132.2	135.1	138.1	139.8	139.0	60- 70	209.1	3803	96.9,96.9
80	48.46	47.34	48.00	47.78	46.63	47.14	49.66	50.17	70- 80	92.48	3895	99.3,99.3
90	0.2320	0.2044	0.1521	0.1744	0.1208	0.1211	0.1789	0.4837	80- 90	24.02	3919	99.9,99.9
100	0.0967	0.0989	0.0994	0.0999	0.2073	0.2054	0.2011	0.1991	90-100	0.1318	3919	99.9,99.9
110	0.1656	0.1685	0.1706	0.1699	0.3040	0.3012	0.2967	0.2939	100-110	0.2033	3919	99.9,99.9
120	0.3033	0.3084	0.3123	0.3113	0.4525	0.4482	0.4452	0.4444	110-120	0.2926	3920	99.9,99.9
130	0.5648	0.5721	0.5781	0.5786	0.8267	0.8222	0.8224	0.8189	120-130	0.4637	3920	99.9,99.9
140	0.9432	0.9487	0.9579	0.9577	1.440	1.437	1.440	1.433	130-140	0.7175	3921	99.9,99.9
150	1.386	1.391	1.399	1.396	2.300	2.300	2.296	2.294	140-150	0.9487	3922	100,100
160	1.849	1.856	1.862	1.854	2.921	2.922	2.899	2.908	150-160	0.9831	3923	100,100
170	2.072	2.084	2.093	2.069	2.898	2.901	2.874	2.873	160-170	0.7017	3923	100,100
180	2.549	2.537	2.509	2.519	2.538	2.532	2.496	2.504	170-180	0.2346	3924	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2941.4 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(120deg): 3593.4 lm

%lum = 91.6%

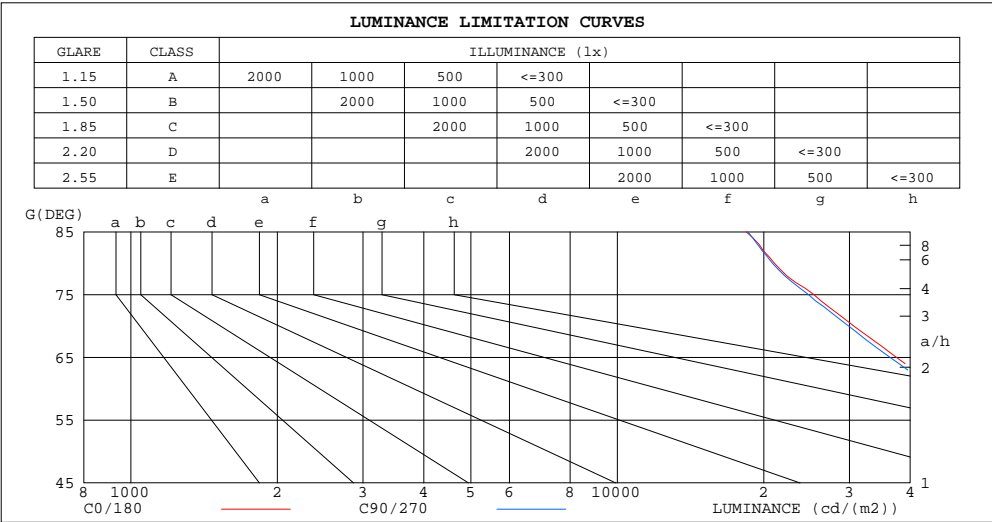
%lamp = 91.6%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	18402	18554
80	21038	20837
75	25344	24723
70	30612	29875
65	37468	36350
60	46131	44916
55	56734	55397
50	68289	66762
45	80568	78936

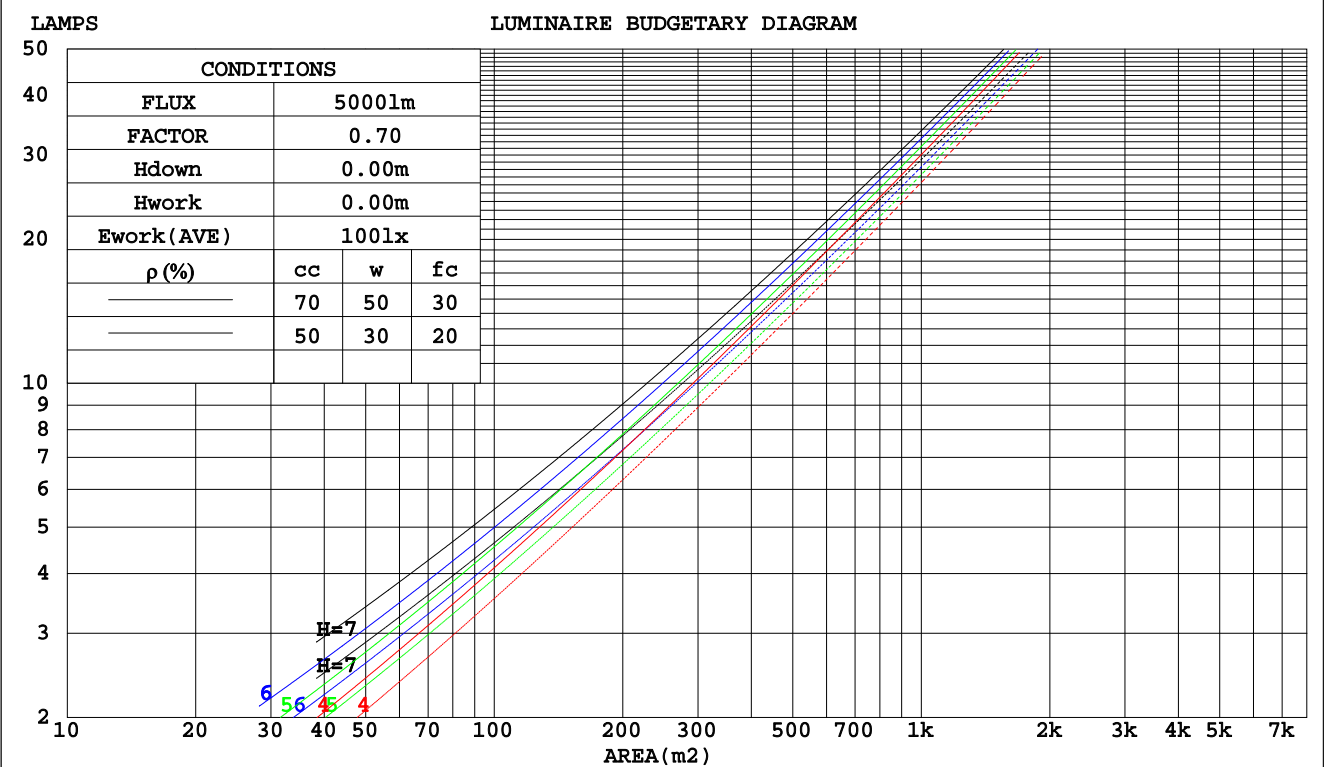
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:16 October 2024

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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.08	1.04	1.02	1.06	1.03	.00	1.01	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.73	.68	.79	.73	.67	.77	.71	.67	.75	.70	.66	.73	.68	.65	.63
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.62	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.54	.52
7.0	.63	.55	.50	.62	.55	.50	.61	.54	.50	.59	.54	.49	.58	.53	.49	.47
8.0	.58	.51	.46	.58	.51	.46	.56	.50	.46	.55	.50	.45	.54	.49	.45	.44
9.0	.54	.47	.42	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
10.0	.51	.44	.39	.50	.44	.39	.49	.43	.39	.49	.43	.39	.48	.43	.39	.37



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	.235	.133	.042	.228	.130	.041	.215	.123	.039	.203	.117	.038	.192	.111	.036		
2.0	.225	.123	.038	.219	.121	.037	.208	.116	.036	.198	.111	.035	.188	.107	.034		
3.0	.213	.113	.034	.208	.111	.033	.198	.107	.033	.189	.103	.032	.180	.100	.031		
4.0	.200	.104	.031	.195	.102	.030	.187	.099	.030	.179	.096	.029	.172	.093	.028		
5.0	.188	.096	.028	.184	.094	.028	.177	.092	.027	.170	.089	.027	.163	.087	.026		
6.0	.177	.089	.025	.173	.088	.025	.167	.085	.025	.161	.083	.025	.155	.081	.024		
7.0	.167	.082	.023	.164	.082	.023	.158	.080	.023	.152	.078	.023	.147	.076	.022		
8.0	.158	.077	.022	.155	.076	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021		
9.0	.149	.072	.020	.147	.072	.020	.142	.070	.020	.137	.069	.020	.133	.068	.020		
10.0	.142	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.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	.141	.151	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.107	.141	.115	.092	.096	.079	.065	.056	.046	.038	.018	.015	.012	
3.0	.154	.115	.083	.132	.099	.072	.091	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.146	.101	.067	.125	.087	.058	.086	.061	.041	.050	.036	.024	.016	.012	.008	
5.0	.138	.090	.054	.118	.078	.047	.082	.054	.033	.047	.032	.020	.015	.010	.007	
6.0	.131	.081	.045	.112	.070	.039	.078	.049	.028	.045	.029	.017	.015	.009	.005	
7.0	.124	.074	.039	.107	.064	.034	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.118	.068	.033	.102	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.097	.055	.025	.067	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.059	.026	.093	.051	.022	.064	.036	.016	.038	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	25.6	26.8	25.9	27.0	27.2	25.5	26.7	25.8	26.9	27.1	
	3H	26.2	27.3	26.4	27.5	27.7	26.1	27.2	26.3	27.4	27.6
	4H	26.3	27.4	26.6	27.6	27.9	26.2	27.3	26.5	27.5	27.8
	6H	26.4	27.4	26.8	27.7	28.0	26.3	27.3	26.7	27.6	27.9
	8H	26.5	27.4	26.8	27.7	28.0	26.4	27.3	26.7	27.6	27.9
	12H	26.5	27.4	26.8	27.7	28.0	26.4	27.3	26.7	27.6	27.9
4H	2H	25.8	26.9	26.1	27.1	27.4	25.8	26.8	26.1	27.1	27.3
	3H	26.5	27.5	26.9	27.7	28.0	26.4	27.4	26.8	27.7	27.9
	4H	26.8	27.6	27.2	28.0	28.3	26.7	27.6	27.1	27.9	28.2
	6H	27.0	27.7	27.4	28.1	28.4	26.9	27.6	27.3	28.0	28.3
	8H	27.0	27.7	27.4	28.1	28.5	26.9	27.6	27.4	28.0	28.4
	12H	27.1	27.7	27.5	28.1	28.5	27.0	27.6	27.4	28.0	28.4
8H	4H	26.8	27.5	27.3	27.9	28.3	26.8	27.4	27.2	27.8	28.2
	6H	27.1	27.7	27.5	28.1	28.5	27.0	27.6	27.5	28.0	28.4
	8H	27.2	27.7	27.7	28.1	28.6	27.1	27.6	27.6	28.1	28.5
	12H	27.3	27.7	27.8	28.2	28.6	27.2	27.6	27.7	28.1	28.6
12H	4H	26.8	27.5	27.2	27.8	28.2	26.7	27.4	27.2	27.7	28.1
	6H	27.1	27.6	27.6	28.0	28.5	27.0	27.5	27.5	27.9	28.4
	8H	27.2	27.7	27.7	28.1	28.6	27.1	27.6	27.6	28.0	28.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.7					
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 1.1 / - 1.0					+ 1.1 / - 1.0					

CIE Pub.117, 3924 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.7$)
Area: 0.0132665 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

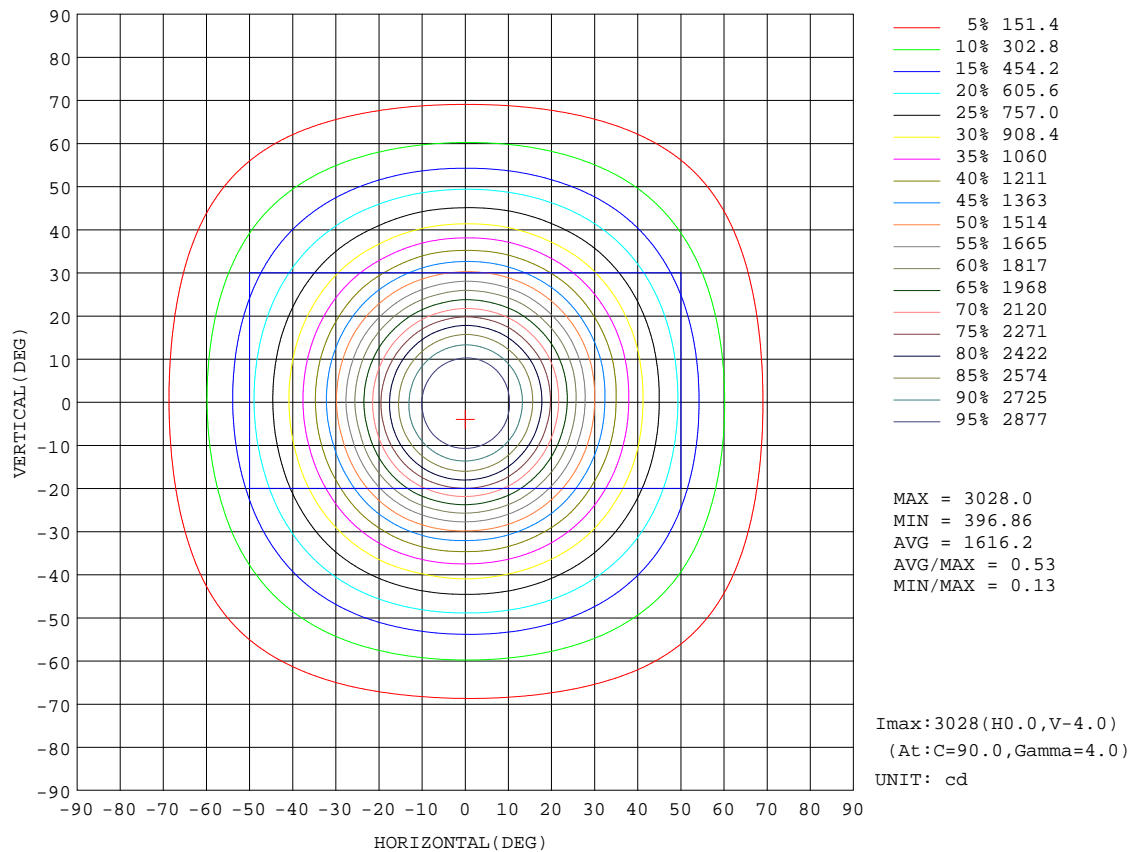
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	61	56	70	61	56	69	61	56	51
0.80	80	71	65	79	71	65	78	70	65	60
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	85	80	92	85	80	90	83	79	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	91	100	95	90	97	93	89	82
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	87
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
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: 16 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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



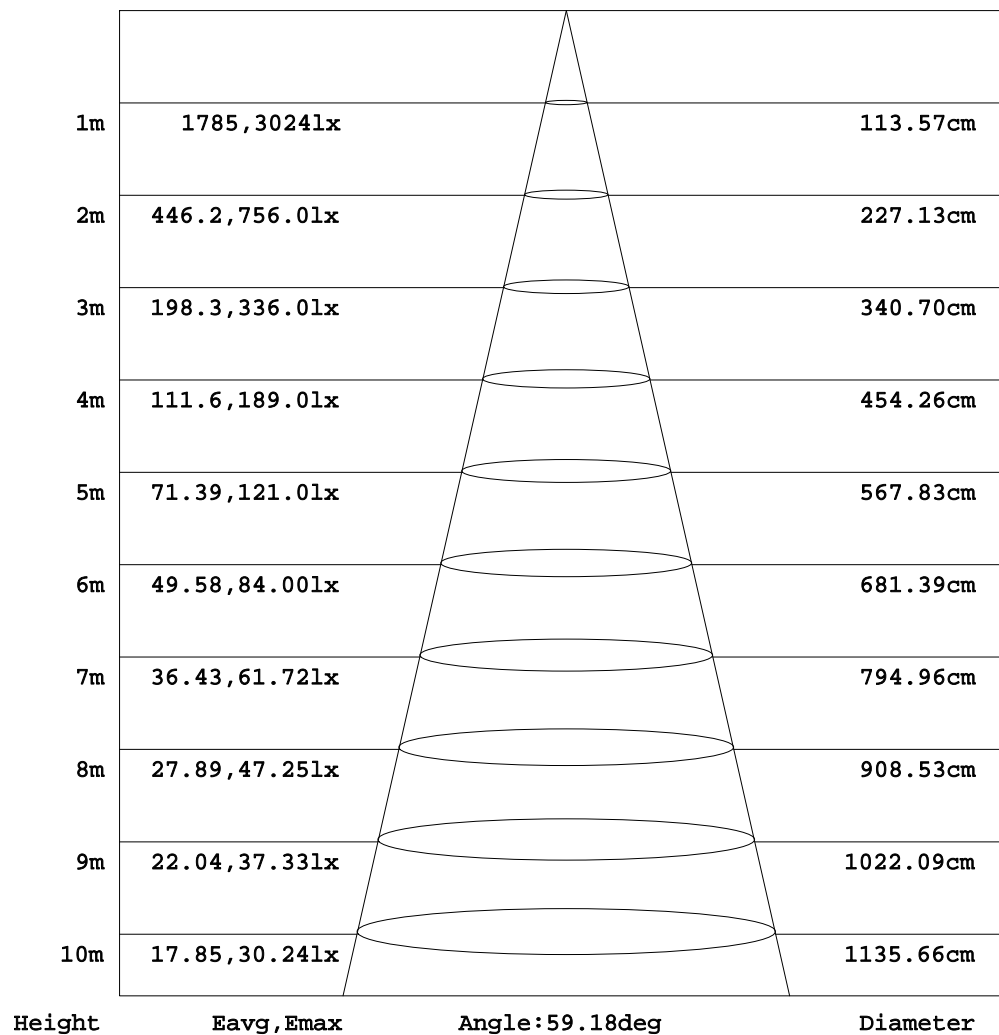
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:

AAI Figure

Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:1869 lm



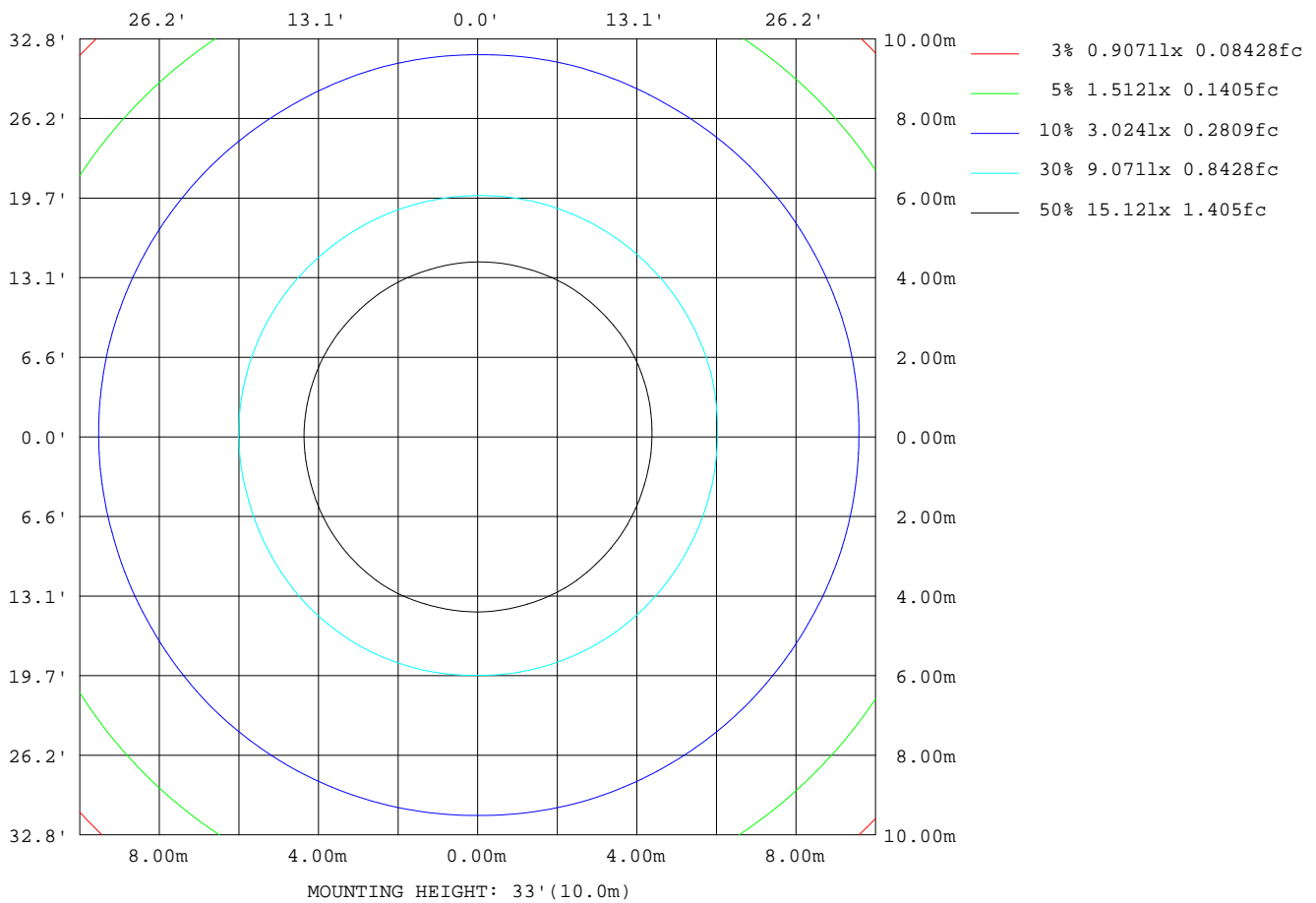
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:16 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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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: 16 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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

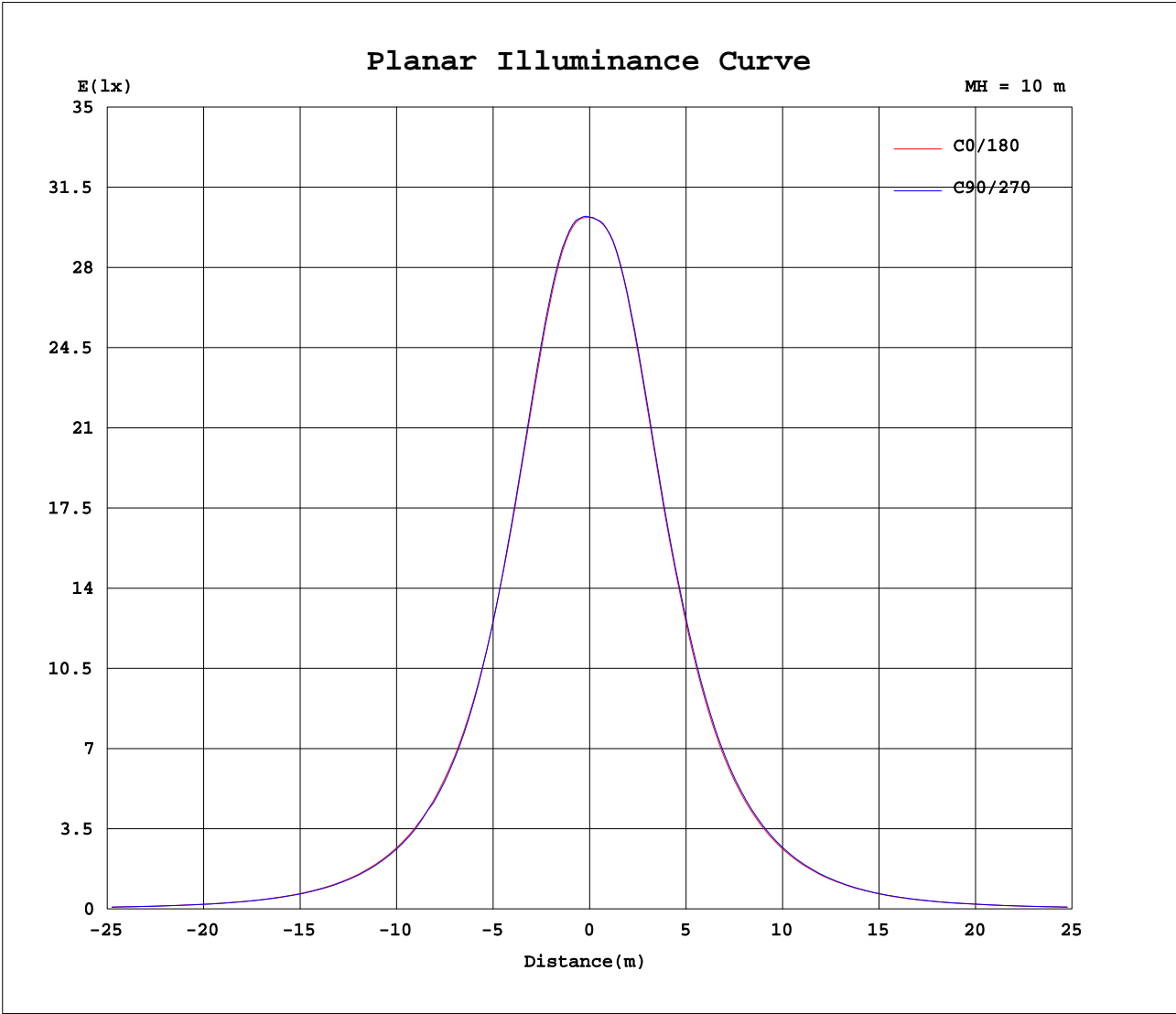
AvgL	cd/m2
L_0~180(65)av	37109
L_0~180(75)av	24806
L_0~180(85)av	17784
L_90~270(65)av	37025
L_90~270(75)av	25122
L_90~270(85)av	18975
L_45(65)av	37003
L_45(75)av	24817
L_45(85)av	18440

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:

Planar Illuminance Curve



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Temperature: 25.1DEG	Humidity: 40.9%
Operators:Alan Wang	Test Distance:2.500m [K=1.0461]
Test Date:16 October 2024	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	3019	3017	3017	3018	3019	3019	3020	3021	3021	3021	3022	3021	3019	3017	3017	3018	3019	3019	3020
5	3013	3014	3014	3018	3017	3019	3021	3019	3014	3012	3009	3006	3004	3003	3002	3002	3001	3004	3004
10	2887	2893	2897	2902	2905	2907	2907	2909	2903	2899	2891	2883	2881	2877	2876	2877	2880	2883	2889
15	2616	2614	2622	2627	2635	2637	2643	2642	2637	2634	2625	2616	2604	2599	2599	2601	2606	2611	2621
20	2253	2239	2241	2249	2262	2265	2269	2270	2276	2270	2255	2240	2235	2229	2227	2231	2241	2244	2255
25	1868	1853	1854	1854	1867	1866	1872	1874	1886	1875	1862	1845	1862	1859	1866	1859	1867	1868	1882
30	1514	1504	1499	1501	1507	1506	1503	1512	1518	1511	1497	1487	1505	1509	1515	1513	1519	1522	1531
35	1209	1202	1192	1201	1196	1198	1190	1201	1205	1201	1187	1188	1196	1204	1205	1213	1209	1223	1222
40	959	955	943	946	942	944	956	941	948	941	940	939	947	953	953	957	958	966	969
45	756	754	747	747	745	745	740	743	745	743	736	735	742	748	748	750	748	759	761
50	582	579	578	576	577	574	569	570	570	567	563	564	573	576	576	577	580	583	585
55	432	432	431	430	429	426	422	420	419	416	414	416	424	428	429	429	432	434	433
60	306	307	307	304	302	300	298	297	296	293	291	293	300	304	306	305	305	306	308
65	210	211	210	209	207	206	204	203	203	200	199	200	206	209	210	210	211	211	211
70	139	139	139	138	137	137	136	134	133	132	132	133	135	137	137	138	139	140	140
75	87.0	86.7	86.7	85.6	84.7	85.0	84.9	84.1	83.4	83.2	83.0	82.9	83.3	83.8	84.6	85.2	85.9	86.9	87.6
80	48.5	48.1	48.2	47.3	47.0	47.5	48.0	48.1	47.6	47.8	47.5	46.9	46.6	46.5	47.1	47.1	47.5	48.6	49.7
85	21.3	21.3	21.7	21.2	20.4	21.1	21.5	20.7	19.9	20.6	21.3	20.7	19.8	20.2	20.7	20.8	20.6	21.7	22.4
90	0.23	0.27	0.16	0.20	0.17	0.10	0.15	0.13	0.12	0.17	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.14	0.18
95	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.07	0.08	0.07	0.08	0.16	0.16	0.15	0.15	0.15	0.15	0.15
100	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.21	0.21	0.21	0.21	0.20	0.20	0.20
105	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.26	0.26	0.26	0.26	0.26	0.26	0.26
110	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.30	0.30	0.30	0.30	0.30	0.30	0.30
115	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.36	0.36	0.36	0.36	0.36	0.35	0.35
120	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
125	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.61	0.61	0.60	0.60	0.60	0.60	0.60
130	0.56	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.83	0.82	0.82	0.82	0.82	0.82	0.82
135	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.76	1.10	1.10	1.09	1.10	1.09	1.10	1.10
140	0.94	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	1.44	1.44	1.43	1.44	1.44	1.44	1.44
145	1.18	1.18	1.18	1.18	1.18	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.88	1.88	1.87	1.88	1.88	1.88	1.88
150	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.39	2.30	2.30	2.30	2.30	2.30	2.30	2.30
155	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.67	1.67	1.67	2.64	2.65	2.64	2.64	2.64	2.63	2.63
160	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.85	1.85	1.85	2.92	2.92	2.93	2.92	2.92	2.91	2.90
165	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.00	2.00	1.99	1.99	1.99	3.02	3.03	3.03	3.02	3.02	3.00	3.00
170	2.07	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.08	2.07	2.06	2.06	2.90	2.90	2.90	2.90	2.89	2.88	2.87
175	2.21	2.22	2.23	2.23	2.23	2.23	2.23	2.22	2.22	2.22	2.20	2.19	2.72	2.72	2.72	2.72	2.71	2.70	2.69
180	2.55	2.55	2.54	2.54	2.53	2.52	2.51	2.51	2.51	2.52	2.52	2.52	2.54	2.54	2.53	2.53	2.52	2.51	2.50

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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:0.2479A P:29.66W PF:0.9971 Freq:60.00Hz Lamp Flux:3923.68x1 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	3021	3021	3021	3022	3021													
5	3010	3010	3012	3015	3016													
10	2891	2891	2890	2888	2889													
15	2620	2621	2625	2628	2622													
20	2257	2267	2262	2267	2260													
25	1884	1896	1891	1897	1886													
30	1539	1543	1542	1541	1536													
35	1231	1232	1236	1232	1232													
40	975	973	980	977	976													
45	767	764	768	768	766													
50	587	588	588	589	587													
55	434	433	434	434	434													
60	309	309	308	306	306													
65	213	213	211	210	211													
70	140	140	139	139	140													
75	87.1	86.6	86.9	87.2	87.3													
80	49.8	49.7	50.2	50.1	49.6													
85	22.3	21.8	22.6	23.2	22.8													
90	0.30	0.32	0.48	0.47	0.43													
95	0.15	0.15	0.15	0.15	0.15													
100	0.20	0.20	0.20	0.20	0.20													
105	0.26	0.25	0.25	0.25	0.25													
110	0.30	0.29	0.29	0.29	0.29													
115	0.35	0.35	0.35	0.35	0.35													
120	0.44	0.44	0.44	0.44	0.44													
125	0.60	0.60	0.60	0.60	0.60													
130	0.82	0.82	0.82	0.82	0.82													
135	1.10	1.09	1.09	1.09	1.09													
140	1.44	1.44	1.43	1.43	1.43													
145	1.88	1.87	1.87	1.87	1.87													
150	2.30	2.30	2.29	2.29	2.29													
155	2.63	2.63	2.63	2.63	2.64													
160	2.90	2.91	2.91	2.91	2.91													
165	2.99	2.99	3.00	3.00	3.01													
170	2.86	2.87	2.87	2.88	2.89													
175	2.68	2.68	2.69	2.70	2.70													
180	2.49	2.50	2.50	2.51	2.51													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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: