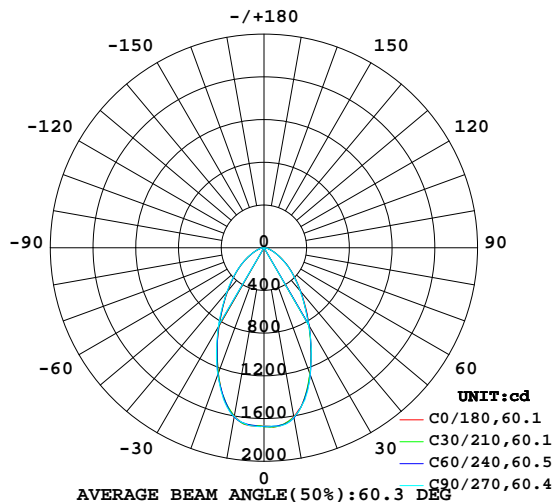


LUMINAIRE PHOTOMETRIC TEST REPORT

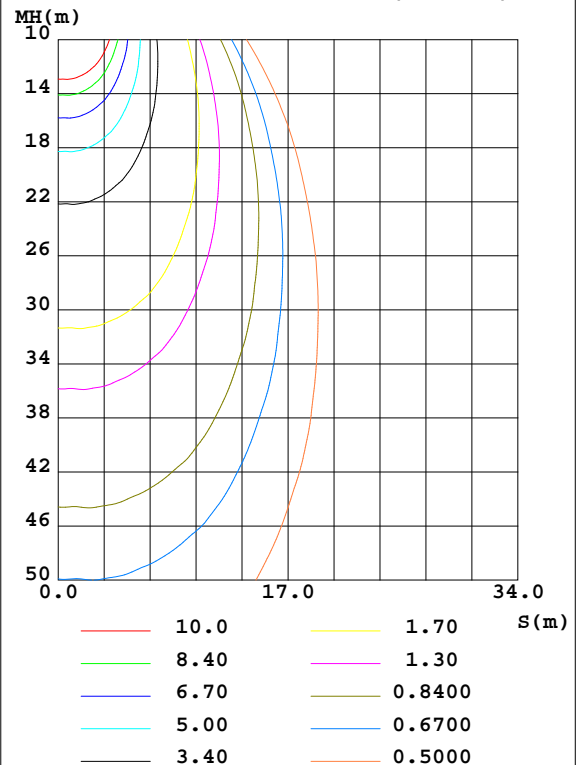
Test:U:120.0V I:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.75 lm/W			
MODEL	INDEPS030UNHD8SC2R6BZP	Imax(cd)	1682	S/MH(C0/180)	0.89
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.89
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2191.1	η UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	2191.15	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	1605	1618	1611	1606	1601	1607	1604	1605	0- 10	157.5	157.5	7.19,7.19
20	1258	1260	1264	1265	1250	1254	1262	1266	10- 20	406.7	564.2	25.7,25.7
30	846.4	843.1	838.0	843.7	837.8	846.9	854.5	860.8	20- 30	479.6	1044	47.6,47.6
40	536.0	532.0	525.8	527.9	527.4	535.7	541.5	546.1	30- 40	423.8	1468	67,67
50	324.4	321.9	316.7	315.4	319.0	322.6	326.8	328.1	40- 50	324.7	1792	81.8,81.8
60	170.1	169.9	165.8	162.8	166.3	169.8	171.3	171.2	50- 60	214.8	2007	91.6,91.6
70	77.27	76.91	75.12	73.28	75.17	77.35	78.09	77.73	60- 70	116.6	2124	96.9,96.9
80	27.02	26.43	26.68	26.50	26.00	26.38	27.77	28.10	70- 80	51.58	2175	99.3,99.3
90	0.1334	0.0636	0.0618	0.0564	0.0660	0.0691	0.1267	0.3279	80- 90	13.35	2189	99.9,99.9
100	0.0526	0.0536	0.0545	0.0545	0.1144	0.1134	0.1111	0.1096	90-100	0.0727	2189	99.9,99.9
110	0.0907	0.0936	0.0939	0.0944	0.1682	0.1667	0.1651	0.1625	100-110	0.1124	2189	99.9,99.9
120	0.1687	0.1728	0.1744	0.1747	0.2504	0.2501	0.2470	0.2444	110-120	0.1627	2189	99.9,99.9
130	0.3131	0.3186	0.3221	0.3218	0.4593	0.4584	0.4575	0.4538	120-130	0.2583	2189	99.9,99.9
140	0.5243	0.5296	0.5326	0.5334	0.8000	0.8012	0.8000	0.7935	130-140	0.3993	2190	99.9,99.9
150	0.7690	0.7746	0.7768	0.7765	1.275	1.279	1.275	1.271	140-150	0.5273	2190	100,100
160	1.024	1.035	1.034	1.030	1.627	1.626	1.610	1.611	150-160	0.5460	2191	100,100
170	1.150	1.162	1.163	1.150	1.609	1.616	1.597	1.594	160-170	0.3900	2191	100,100
180	1.415	1.413	1.391	1.399	1.416	1.412	1.392	1.391	170-180	0.1306	2191	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1643.1 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(120deg): 2007 lm

%lum = 91.6%

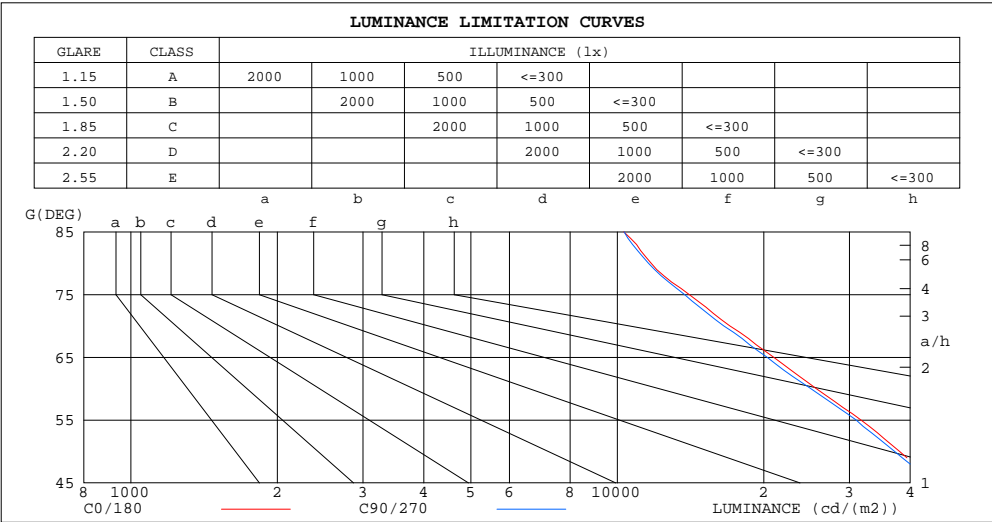
%lamp = 91.6%

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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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	10309	10321
80	11730	11582
75	14051	13745
70	17031	16555
65	20966	20332
60	25642	24996
55	31696	30981
50	38036	37141
45	45058	44056

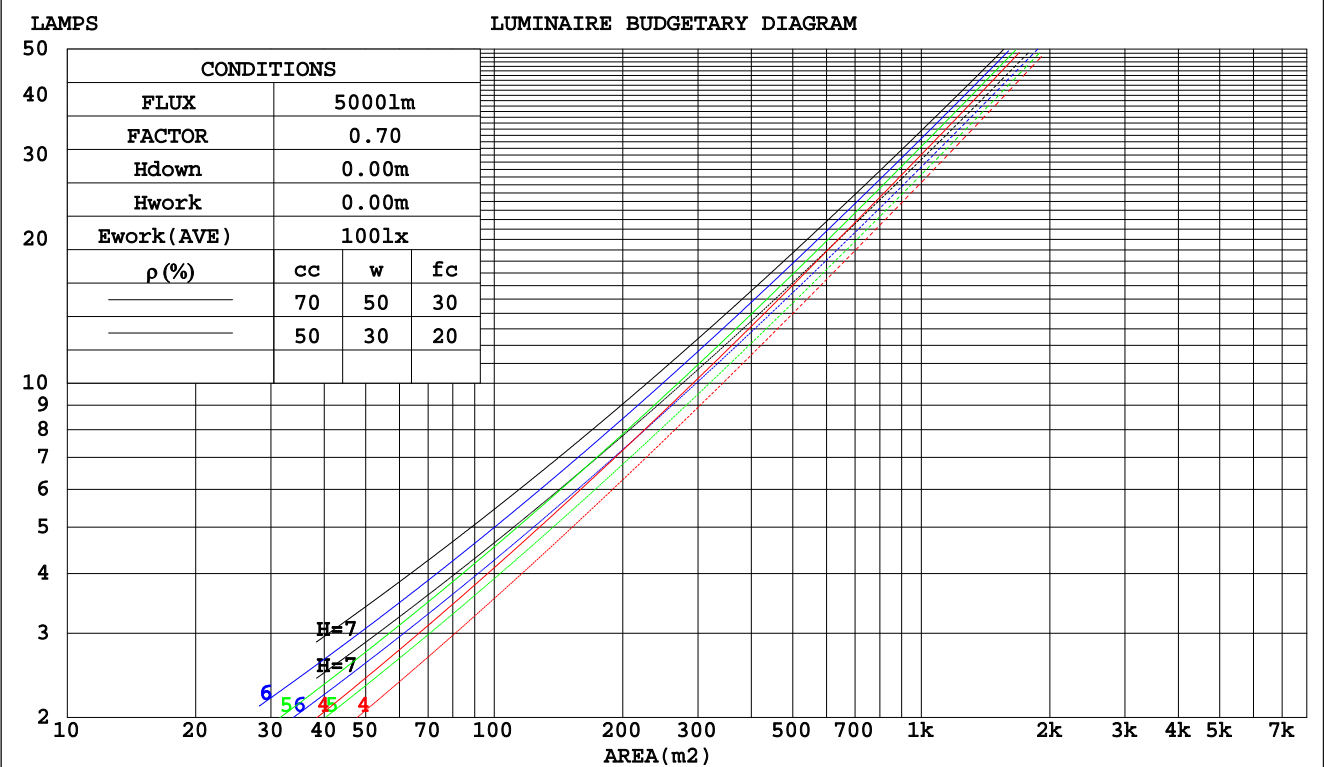
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:16 October 2024

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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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	1.05	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	.46	.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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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	.083	.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	.138	.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	.038	.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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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		23.6	24.8	23.8	25.0	25.2	23.5	24.7	23.7	24.9	25.1
3H		24.1	25.3	24.4	25.5	25.7	24.0	25.2	24.3	25.4	25.6
4H		24.3	25.4	24.6	25.6	25.9	24.2	25.3	24.5	25.5	25.8
6H		24.4	25.4	24.7	25.7	25.9	24.3	25.3	24.6	25.6	25.8
8H		24.4	25.4	24.8	25.7	26.0	24.3	25.3	24.7	25.6	25.8
12H		24.4	25.4	24.8	25.7	25.9	24.3	25.3	24.7	25.5	25.8
4H 2H		23.8	24.9	24.1	25.1	25.4	23.7	24.8	24.0	25.0	25.3
3H		24.5	25.4	24.8	25.7	26.0	24.4	25.3	24.8	25.6	25.9
4H		24.8	25.6	25.1	25.9	26.2	24.7	25.5	25.0	25.8	26.2
6H		24.9	25.7	25.3	26.0	26.4	24.9	25.6	25.2	25.9	26.3
8H		25.0	25.7	25.4	26.1	26.4	24.9	25.6	25.3	26.0	26.3
12H		25.0	25.7	25.5	26.1	26.5	24.9	25.6	25.4	26.0	26.4
8H 4H		24.8	25.5	25.2	25.9	26.2	24.7	25.4	25.1	25.8	26.2
6H		25.1	25.6	25.5	26.0	26.5	25.0	25.6	25.4	26.0	26.4
8H		25.2	25.7	25.6	26.1	26.6	25.1	25.6	25.5	26.0	26.5
12H		25.3	25.7	25.7	26.1	26.6	25.2	25.6	25.6	26.0	26.5
12H 4H		24.8	25.4	25.2	25.8	26.2	24.7	25.3	25.1	25.7	26.1
6H		25.1	25.6	25.5	26.0	26.4	25.0	25.5	25.4	25.9	26.4
8H		25.2	25.6	25.7	26.1	26.6	25.1	25.5	25.6	26.0	26.5
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, 2191 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.7$)
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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

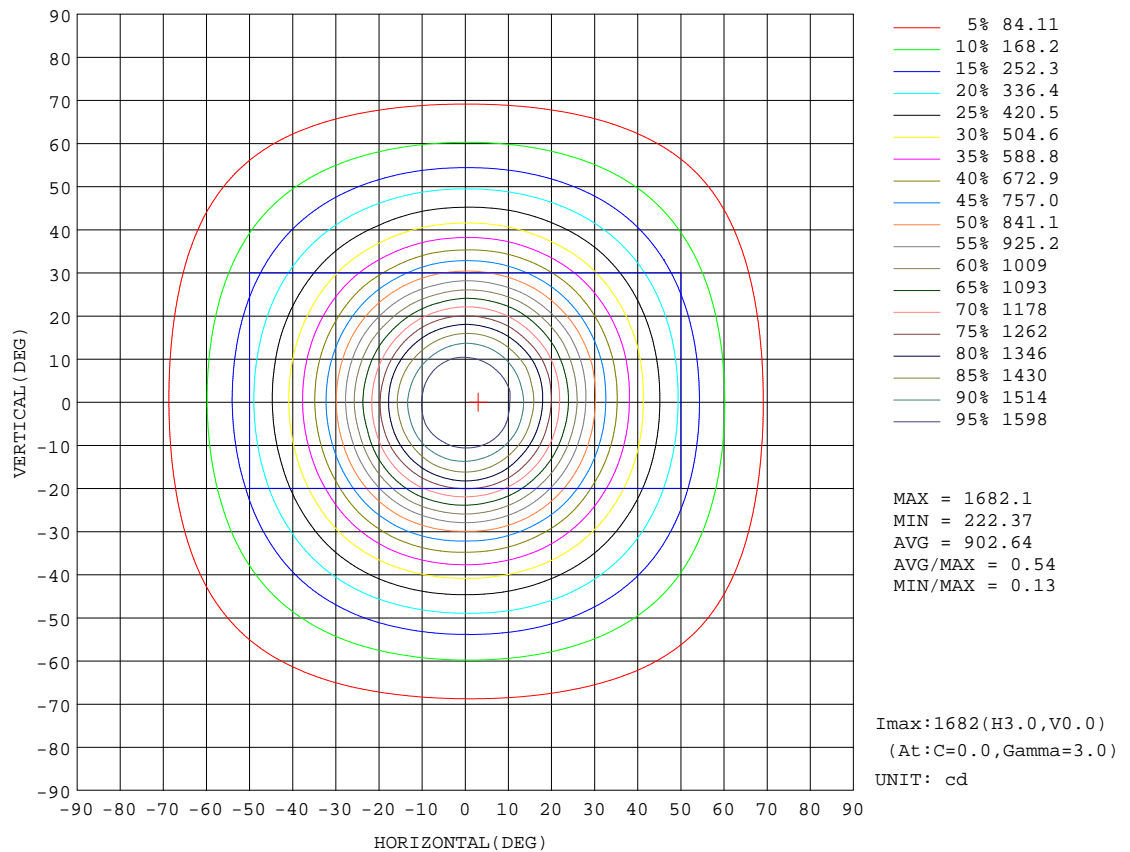
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	61	56	69	61	56	51
0.80	80	71	65	79	71	65	78	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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

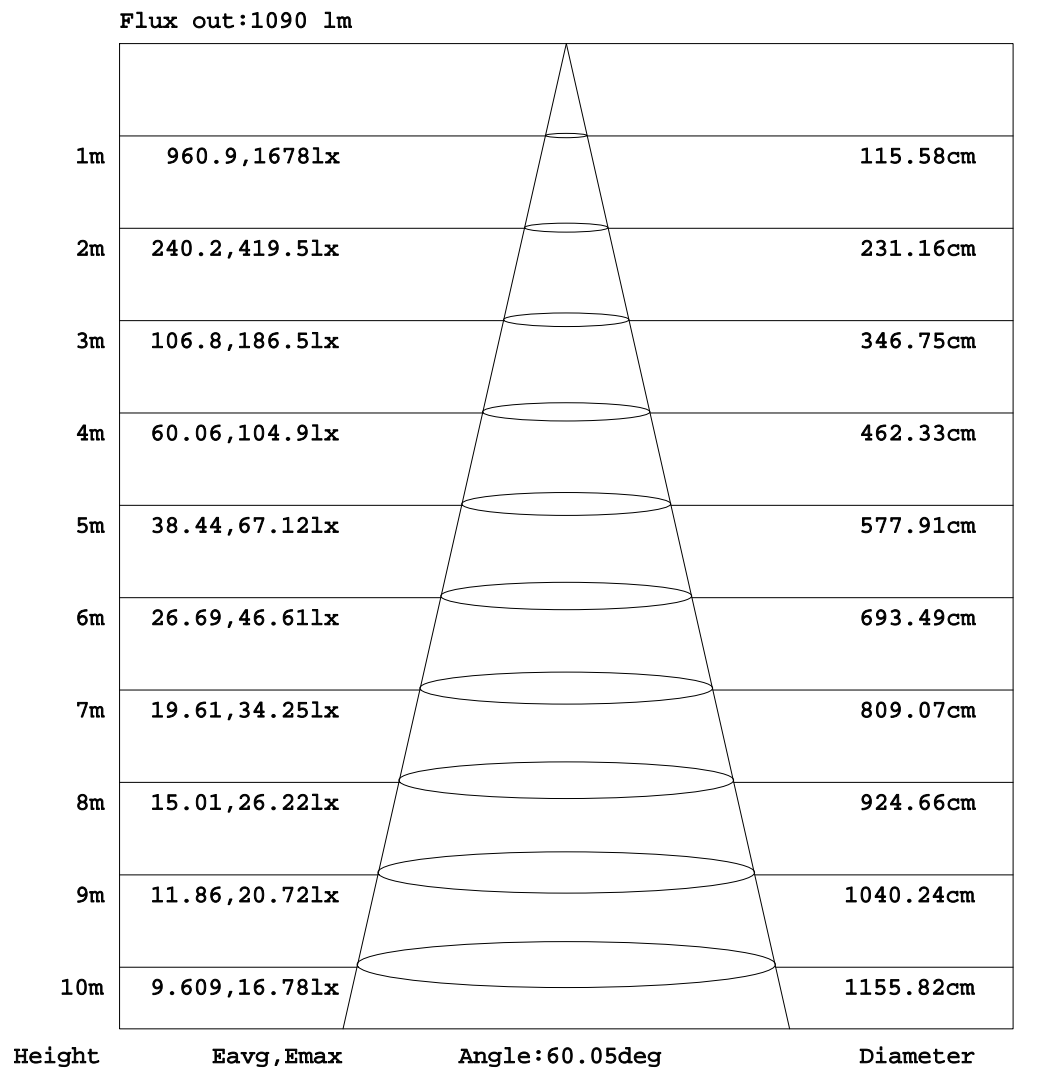


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



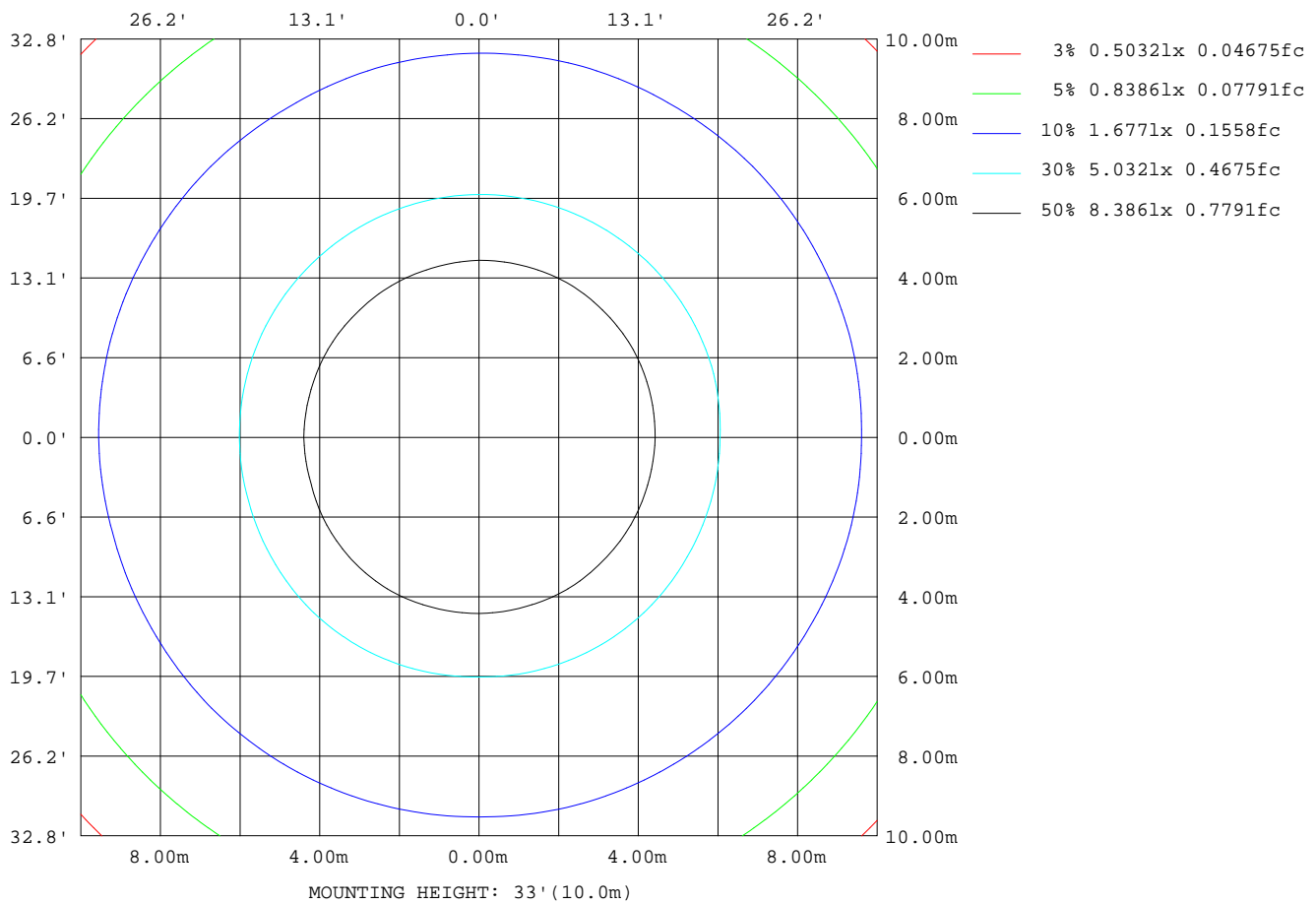
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

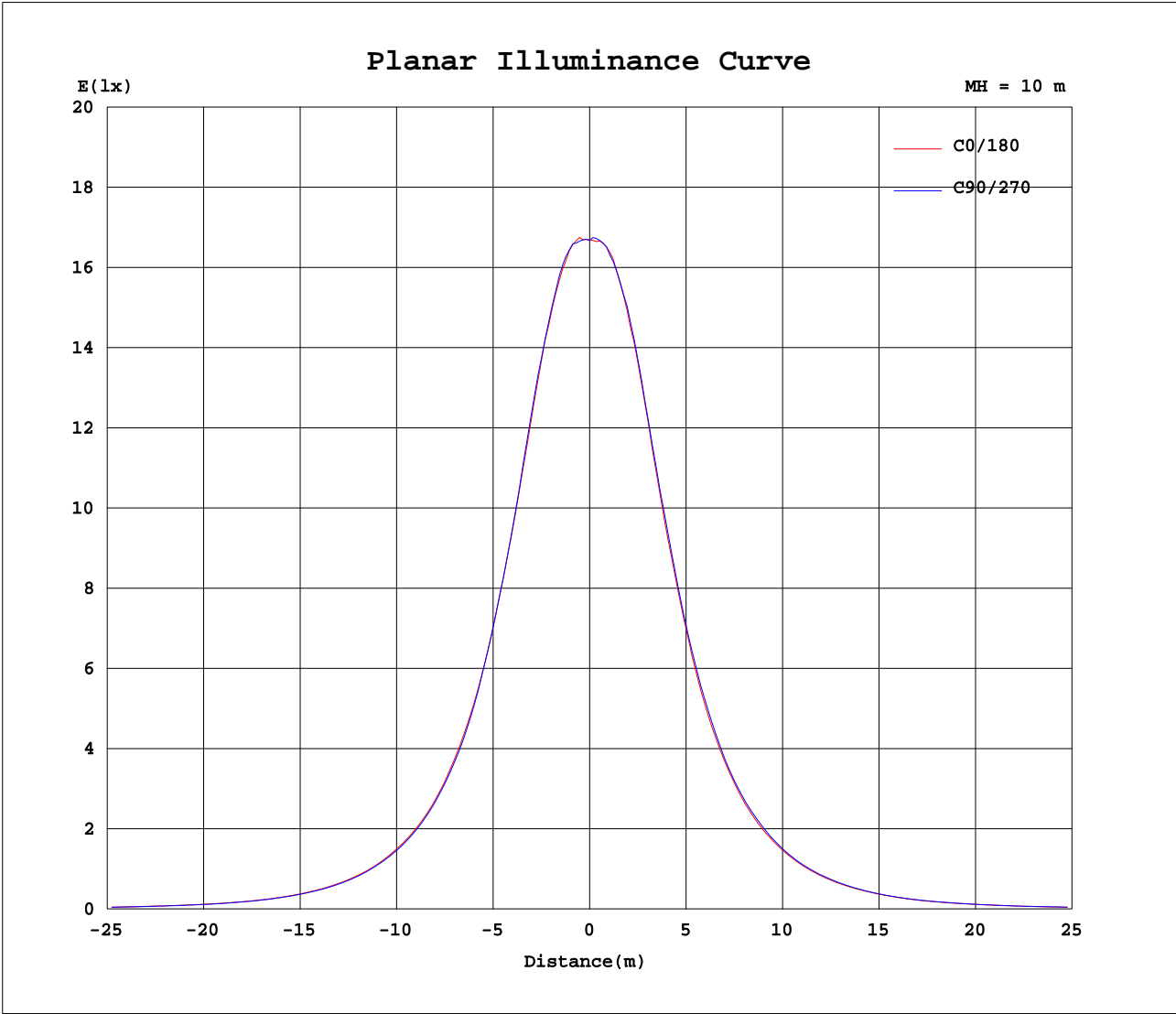
AvgL	cd/m2
L_0~180(65)av	20692
L_0~180(75)av	13825
L_0~180(85)av	9917
L_90~270(65)av	20647
L_90~270(75)av	14015
L_90~270(85)av	10585
L_45(65)av	20616
L_45(75)av	13811
L_45(85)av	10231

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
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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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	1669	1671	1678	1677	1675	1677	1668	1669	1671	1668	1677	1676	1669	1671	1678	1677	1675	1677	1668
5	1676	1676	1668	1670	1670	1670	1678	1676	1673	1671	1662	1662	1671	1669	1661	1662	1663	1664	1670
10	1605	1606	1615	1618	1618	1620	1611	1611	1609	1606	1611	1603	1601	1601	1605	1607	1609	1610	1604
15	1464	1461	1461	1462	1466	1468	1477	1474	1474	1471	1459	1455	1459	1457	1449	1452	1455	1460	1470
20	1258	1251	1258	1260	1268	1270	1264	1264	1267	1265	1263	1254	1250	1247	1249	1254	1260	1263	1262
25	1048	1040	1036	1036	1043	1042	1050	1048	1056	1050	1038	1031	1040	1039	1039	1035	1041	1042	1054
30	846	840	841	843	846	845	838	843	847	844	839	833	838	840	844	847	850	853	854
35	679	674	666	671	668	668	666	672	675	673	663	663	669	673	672	677	675	682	682
40	536	533	531	532	532	529	526	527	530	528	525	524	527	531	532	536	537	541	542
45	423	421	416	416	415	415	413	415	416	414	409	409	415	419	417	418	417	423	425
50	324	323	323	322	322	321	317	317	317	315	315	315	319	321	321	323	325	327	327
55	241	242	241	239	239	237	236	234	234	232	230	231	237	240	239	240	241	242	242
60	170	171	171	170	169	167	166	165	165	163	163	163	166	169	170	170	170	171	171
65	118	118	117	116	115	115	114	114	113	112	111	111	114	116	116	117	117	117	118
70	77.3	77.4	77.5	76.9	76.4	75.9	75.1	74.4	73.9	73.3	73.7	73.8	75.2	76.2	76.6	77.4	77.8	78.2	78.1
75	48.2	48.0	47.7	47.3	47.0	47.1	47.2	46.5	46.1	45.9	45.7	45.7	46.7	46.9	47.3	47.5	48.0	48.6	49.0
80	27.0	26.8	27.0	26.4	26.2	26.5	26.7	26.7	26.4	26.5	26.5	26.2	26.0	25.9	26.3	26.4	26.7	27.3	27.8
85	11.9	12.0	12.0	11.8	11.3	11.7	11.9	11.5	11.0	11.4	11.8	11.5	11.0	11.1	11.4	11.5	11.4	12.0	12.5
90	0.13	0.14	0.08	0.06	0.06	0.09	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.13
95	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	0.08	0.08	0.08	0.08	0.08	0.08
100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.11	0.12	0.11	0.11	0.11	0.11	0.11
105	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.15	0.15	0.15	0.14	0.14	0.14	0.14
110	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.17	0.17	0.17	0.17	0.17	0.17	0.17
115	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.20	0.20	0.20	0.20	0.20	0.20	0.20
120	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.25
125	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.34	0.34	0.34	0.33	0.33	0.33	0.33
130	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.46	0.46	0.46	0.46	0.46	0.46	0.46
135	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.42	0.61	0.61	0.61	0.61	0.61	0.61	0.61
140	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.53	0.80	0.80	0.80	0.80	0.80	0.80	0.80
145	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	1.05	1.05	1.04	1.04	1.04	1.04	1.04
150	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	1.27	1.27	1.28	1.28	1.28	1.28	1.28
155	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.93	0.93	0.93	1.47	1.47	1.47	1.46	1.46	1.46	1.46
160	1.02	1.03	1.03	1.03	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.63	1.62	1.62	1.63	1.62	1.62	1.61
165	1.11	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.67	1.68	1.68	1.68	1.67	1.66	1.66
170	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.61	1.61	1.61	1.62	1.61	1.61	1.60
175	1.23	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.22	1.52	1.52	1.52	1.51	1.50	1.50	1.49
180	1.42	1.41	1.41	1.41	1.41	1.40	1.39	1.40	1.39	1.40	1.41	1.40	1.42	1.41	1.41	1.41	1.41	1.40	1.39

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:0.1284A P:15.35W PF:0.9963 Freq:60.00Hz Lamp Flux:2191.15x1 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	1669	1671	1668	1677	1676													
5	1671	1672	1671	1665	1667													
10	1605	1605	1605	1612	1613													
15	1468	1470	1469	1465	1463													
20	1264	1269	1266	1276	1270													
25	1057	1064	1062	1059	1052													
30	858	861	861	862	860													
35	689	691	693	688	687													
40	544	543	546	546	546													
45	430	428	431	429	428													
50	328	328	328	329	329													
55	244	243	243	242	243													
60	172	172	171	171	171													
65	119	119	118	117	117													
70	78.3	78.2	77.7	78.1	78.1													
75	48.9	48.8	48.9	48.8	48.9													
80	27.9	27.8	28.1	28.1	27.9													
85	12.4	12.1	12.6	13.0	12.6													
90	0.19	0.25	0.33	0.33	0.31													
95	0.08	0.08	0.08	0.08	0.08													
100	0.11	0.11	0.11	0.11	0.11													
105	0.14	0.14	0.14	0.14	0.14													
110	0.16	0.16	0.16	0.16	0.16													
115	0.20	0.20	0.19	0.19	0.19													
120	0.25	0.25	0.24	0.24	0.25													
125	0.34	0.33	0.33	0.33	0.33													
130	0.46	0.46	0.45	0.45	0.45													
135	0.61	0.61	0.61	0.61	0.60													
140	0.80	0.80	0.79	0.79	0.80													
145	1.05	1.04	1.04	1.04	1.04													
150	1.27	1.27	1.27	1.27	1.27													
155	1.46	1.46	1.47	1.46	1.46													
160	1.61	1.61	1.61	1.61	1.62													
165	1.67	1.67	1.67	1.67	1.67													
170	1.59	1.59	1.59	1.60	1.61													
175	1.50	1.50	1.50	1.50	1.50													
180	1.39	1.39	1.39	1.39	1.40													

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: