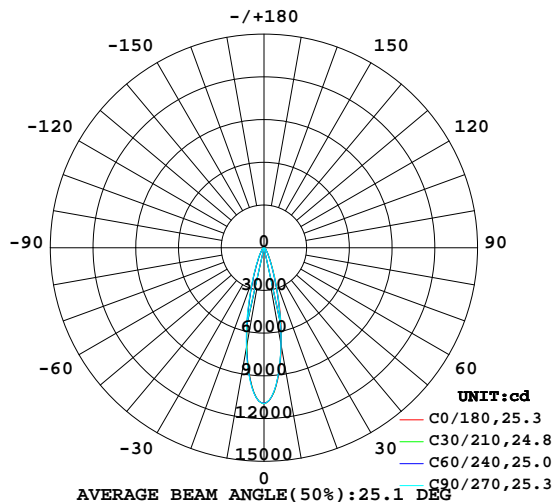


LUMINAIRE PHOTOMETRIC TEST REPORT

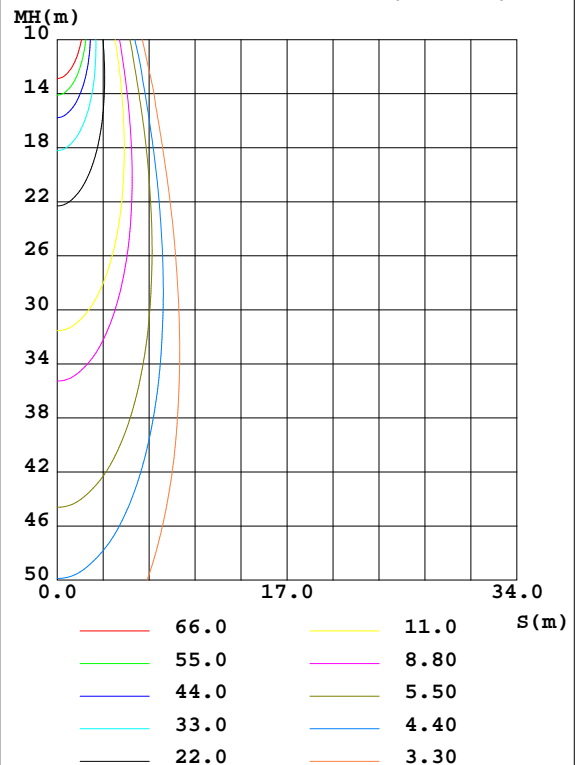
Test:U:120.0V I:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.08 lm/W			
MODEL	INDEP S030UNHD8SC2R6BZP	Imax(cd)	10957	S/MH(C0/180)	0.43
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3221.8	η UP,DN(C0-180)	0.1,48.8
NOMINAL FLUX(lm)	3221.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.00

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	704.9	685.5	691.2	695.8	701.4	699.8	717.6	723.0	0- 10	841.5	841.5	26.1,26.1
20	217.7	201.4	207.4	220.0	219.6	214.3	228.5	237.7	10- 20	1152	1993	61.9,61.9
30	66.71	62.27	62.30	64.45	64.40	65.77	69.96	73.60	20- 30	549.1	2542	78.9,78.9
40	28.73	26.36	26.52	27.13	27.64	28.25	30.51	31.38	30- 40	269.3	2812	87.3,87.3
50	15.67	15.02	15.01	15.17	15.30	15.56	16.16	16.56	40- 50	161.2	2973	92.3,92.3
60	9.600	9.408	9.389	9.586	9.408	9.487	9.707	9.891	50- 60	109.2	3082	95.7,95.7
70	5.753	5.649	5.718	5.755	5.706	5.712	5.835	5.931	60- 70	74.63	3157	98.98
80	2.874	2.703	2.935	3.085	2.862	2.721	2.931	3.087	70- 80	45.01	3202	99.4,99.4
90	0.0103	0.0091	0.0058	0.0047	0.0062	0.0061	0.0106	0.0209	80- 90	15.57	3217	99.9,99.9
100	0.0046	0.0046	0.0046	0.0046	0.0084	0.0081	0.0082	0.0082	90-100	0.0616	3217	99.9,99.9
110	0.0067	0.0067	0.0068	0.0068	0.0108	0.0103	0.0103	0.0104	100-110	0.0795	3217	99.9,99.9
120	0.0112	0.0113	0.0118	0.0117	0.0158	0.0149	0.0148	0.0152	110-120	0.1037	3217	99.9,99.9
130	0.0247	0.0250	0.0260	0.0267	0.0384	0.0360	0.0362	0.0372	120-130	0.1804	3218	99.9,99.9
140	0.0741	0.0741	0.0762	0.0775	0.1292	0.1245	0.1254	0.1270	130-140	0.4516	3218	99.9,99.9
150	0.1682	0.1691	0.1703	0.1704	0.3418	0.3377	0.3368	0.3371	140-150	1.087	3219	99.9,99.9
160	0.2191	0.2212	0.2211	0.2199	0.4816	0.4809	0.4764	0.4760	150-160	1.438	3221	100,100
170	0.2090	0.2125	0.2133	0.2100	0.4118	0.4127	0.4062	0.4070	160-170	0.9713	3221	100,100
180	0.2540	0.2515	0.2484	0.2546	0.2527	0.2524	0.2460	0.2499	170-180	0.2682	3222	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 2900.6 lm

%lum = 90.0%

%lamp = 90.0%

Conical surface Flux(120deg): 3081.9 lm

%lum = 95.7%

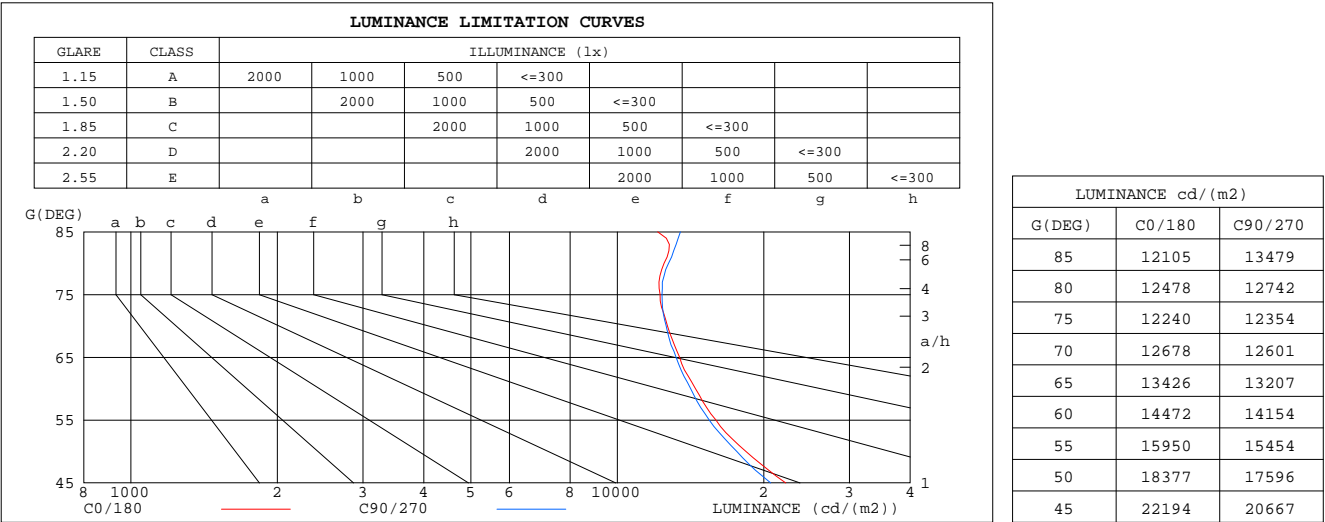
%lamp = 95.7%

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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



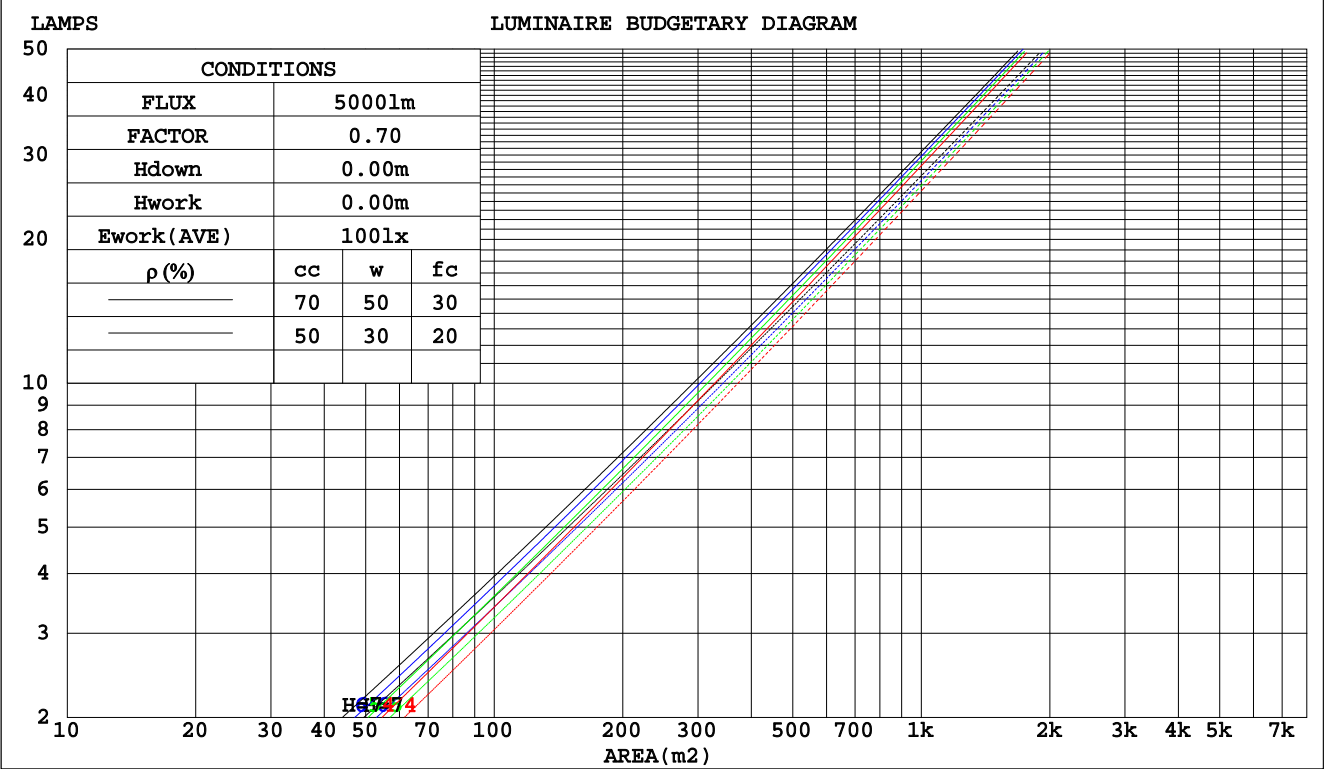
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 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						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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94	
2.0	1.04	.00	.97	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88	
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83	
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79	
5.0	.88	.82	.79	.87	.82	.78	.85	.81	.77	.83	.80	.77	.82	.79	.76	.75	
6.0	.84	.78	.74	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71	
7.0	.80	.75	.71	.79	.74	.71	.78	.74	.70	.77	.73	.70	.76	.72	.70	.68	
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66	
9.0	.74	.69	.65	.73	.68	.65	.72	.68	.65	.72	.68	.65	.71	.67	.64	.63	
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.69	.65	.62	.61	



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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 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	.176	.100	.032	.169	.097	.031	.157	.090	.029	.145	.084	.027	.134	.078	.025		
2.0	.164	.090	.028	.159	.087	.027	.148	.082	.026	.138	.077	.024	.129	.073	.023		
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021		
4.0	.143	.074	.022	.139	.073	.021	.131	.070	.021	.124	.067	.020	.117	.064	.019		
5.0	.134	.068	.020	.130	.067	.020	.124	.064	.019	.118	.062	.018	.112	.060	.018		
6.0	.126	.063	.018	.123	.062	.018	.117	.060	.017	.112	.058	.017	.107	.056	.017		
7.0	.119	.059	.017	.116	.058	.017	.111	.056	.016	.107	.055	.016	.102	.053	.016		
8.0	.113	.055	.016	.111	.054	.015	.106	.053	.015	.102	.052	.015	.098	.050	.015		
9.0	.107	.052	.014	.105	.051	.014	.101	.050	.014	.097	.049	.014	.094	.048	.014		
10.0	.102	.049	.014	.100	.048	.014	.097	.047	.013	.093	.046	.013	.090	.045	.013		

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.172	.158	.146	.147	.136	.126	.101	.094	.087	.058	.054	.051	.019	.017	.016	
2.0	.156	.134	.115	.134	.115	.099	.092	.080	.069	.053	.046	.040	.017	.015	.013	
3.0	.143	.115	.092	.123	.099	.080	.084	.069	.056	.049	.040	.033	.016	.013	.011	
4.0	.132	.100	.075	.113	.086	.065	.078	.060	.046	.045	.035	.027	.014	.011	.009	
5.0	.122	.088	.063	.105	.076	.054	.072	.053	.038	.042	.031	.023	.013	.010	.008	
6.0	.114	.078	.053	.098	.068	.046	.067	.047	.033	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.045	.092	.061	.039	.063	.043	.028	.037	.025	.017	.012	.008	.005	
8.0	.100	.064	.039	.086	.055	.034	.060	.039	.024	.035	.023	.014	.011	.008	.005	
9.0	.094	.058	.034	.081	.051	.030	.056	.036	.021	.033	.021	.013	.011	.007	.004	
10.0	.089	.054	.030	.077	.047	.026	.053	.033	.019	.031	.019	.011	.010	.006	.004	

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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 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	17.9	18.8	18.1	18.9	19.1	17.7	18.5	17.9	18.7	18.8
3H	19.0	19.7	19.2	19.9	20.1	18.8	19.6	19.0	19.8	20.0
4H	19.4	20.2	19.7	20.4	20.6	19.3	20.0	19.6	20.3	20.5
6H	19.9	20.6	20.2	20.8	21.1	19.8	20.5	20.1	20.7	21.0
8H	20.1	20.8	20.4	21.0	21.3	20.0	20.7	20.3	20.9	21.2
12H	20.2	20.9	20.5	21.1	21.4	20.1	20.8	20.5	21.1	21.3
4H 2H	18.3	19.1	18.6	19.3	19.5	18.1	18.9	18.4	19.1	19.3
3H	19.6	20.2	19.9	20.5	20.8	19.4	20.1	19.7	20.3	20.6
4H	20.2	20.8	20.5	21.1	21.4	20.1	20.7	20.4	21.0	21.3
6H	20.8	21.3	21.1	21.6	22.0	20.7	21.2	21.0	21.5	21.9
8H	21.0	21.5	21.4	21.9	22.2	20.9	21.4	21.3	21.8	22.1
12H	21.2	21.7	21.6	22.1	22.4	21.1	21.6	21.6	22.0	22.4
8H 4H	20.4	20.9	20.8	21.2	21.6	20.3	20.8	20.7	21.1	21.5
6H	21.1	21.6	21.6	21.9	22.4	21.0	21.4	21.5	21.8	22.2
8H	21.5	21.9	21.9	22.3	22.7	21.4	21.7	21.8	22.2	22.6
12H	21.8	22.1	22.3	22.6	23.0	21.7	22.0	22.2	22.5	22.9
12H 4H	20.4	20.9	20.8	21.2	21.6	20.3	20.7	20.7	21.1	21.5
6H	21.2	21.6	21.6	22.0	22.4	21.1	21.4	21.5	21.9	22.3
8H	21.6	21.9	22.1	22.4	22.8	21.5	21.8	22.0	22.2	22.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.4 / - 0.2					+ 0.3 / - 0.2				
2.0H	+ 0.5 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 3222 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.1$)
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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

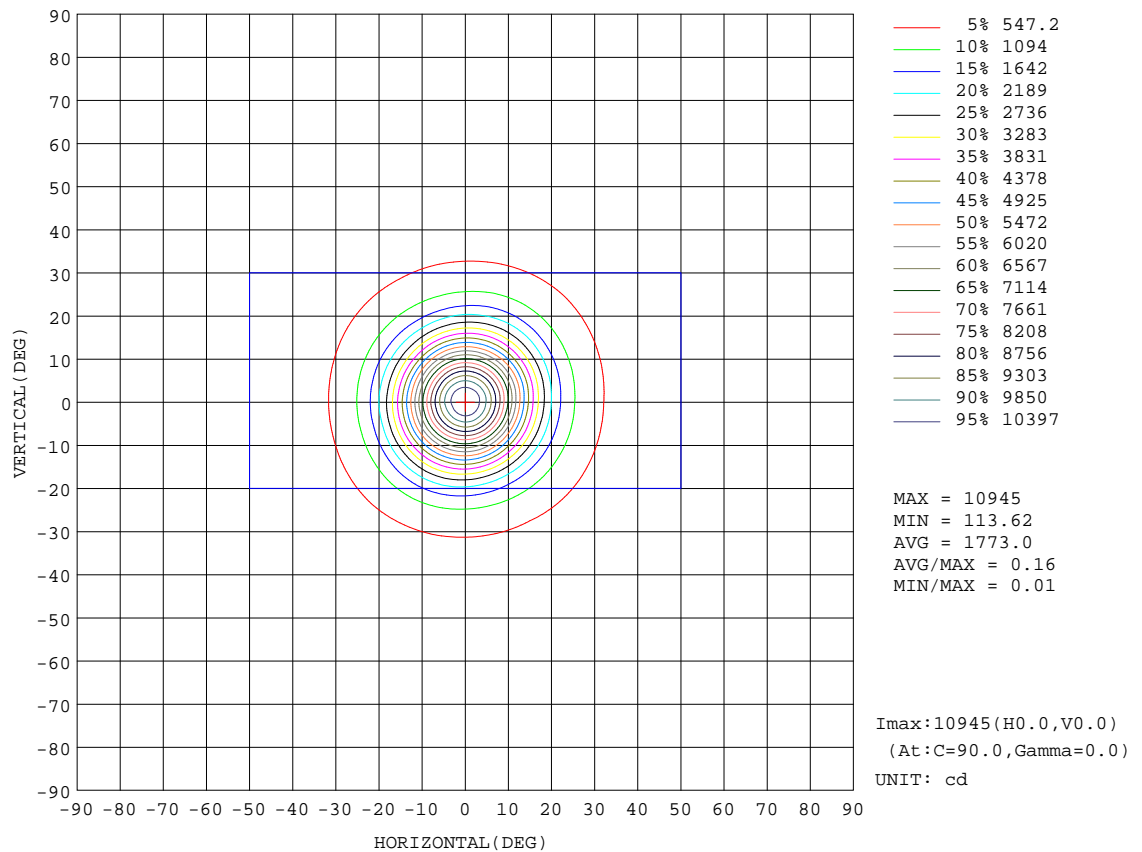
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	72	82	76	72	68
0.80	91	85	81	91	84	80	89	84	80	76
1.00	96	90	86	95	89	86	94	89	85	81
1.25	101	95	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	103	109	105	102	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	95
5.00	114	112	109	112	110	108	108	106	105	97
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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

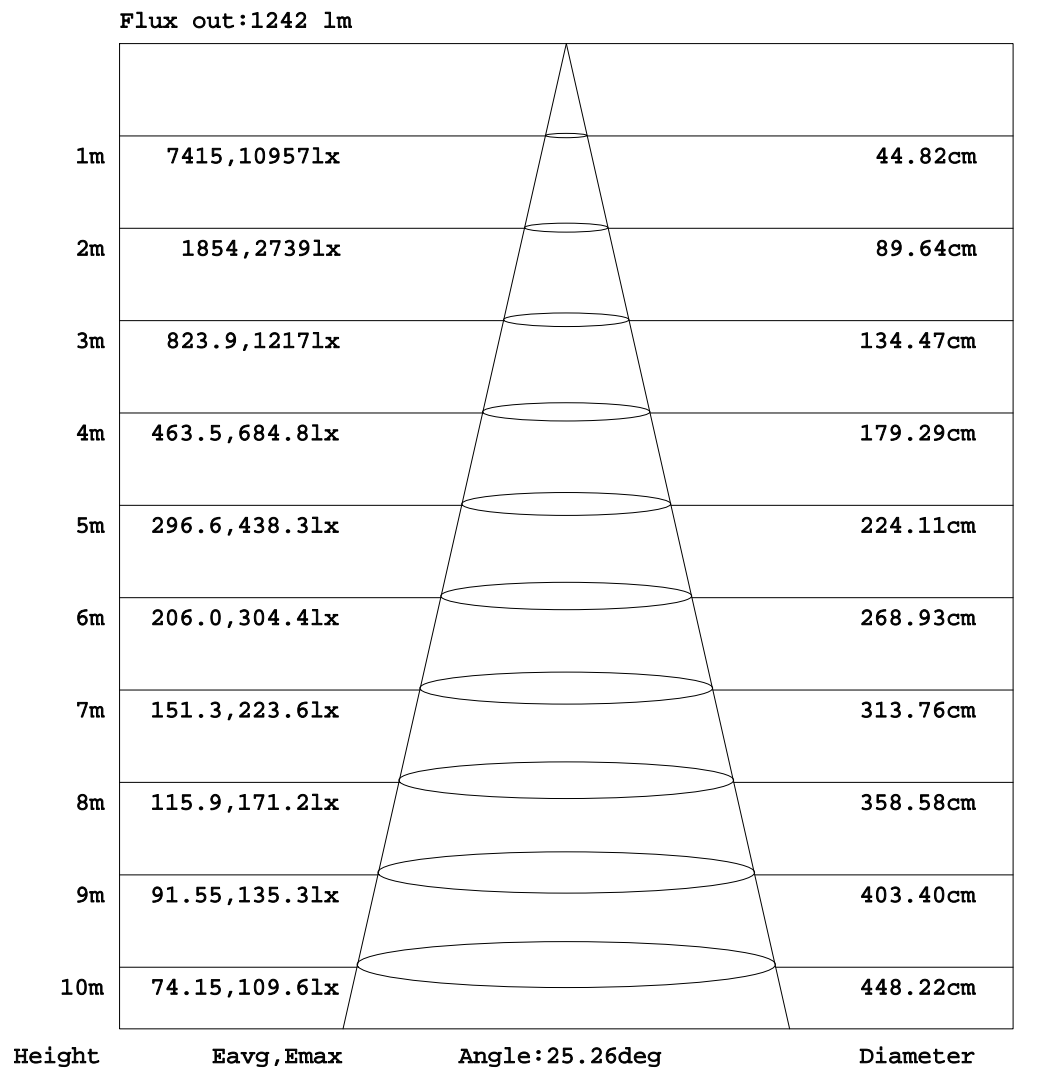


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



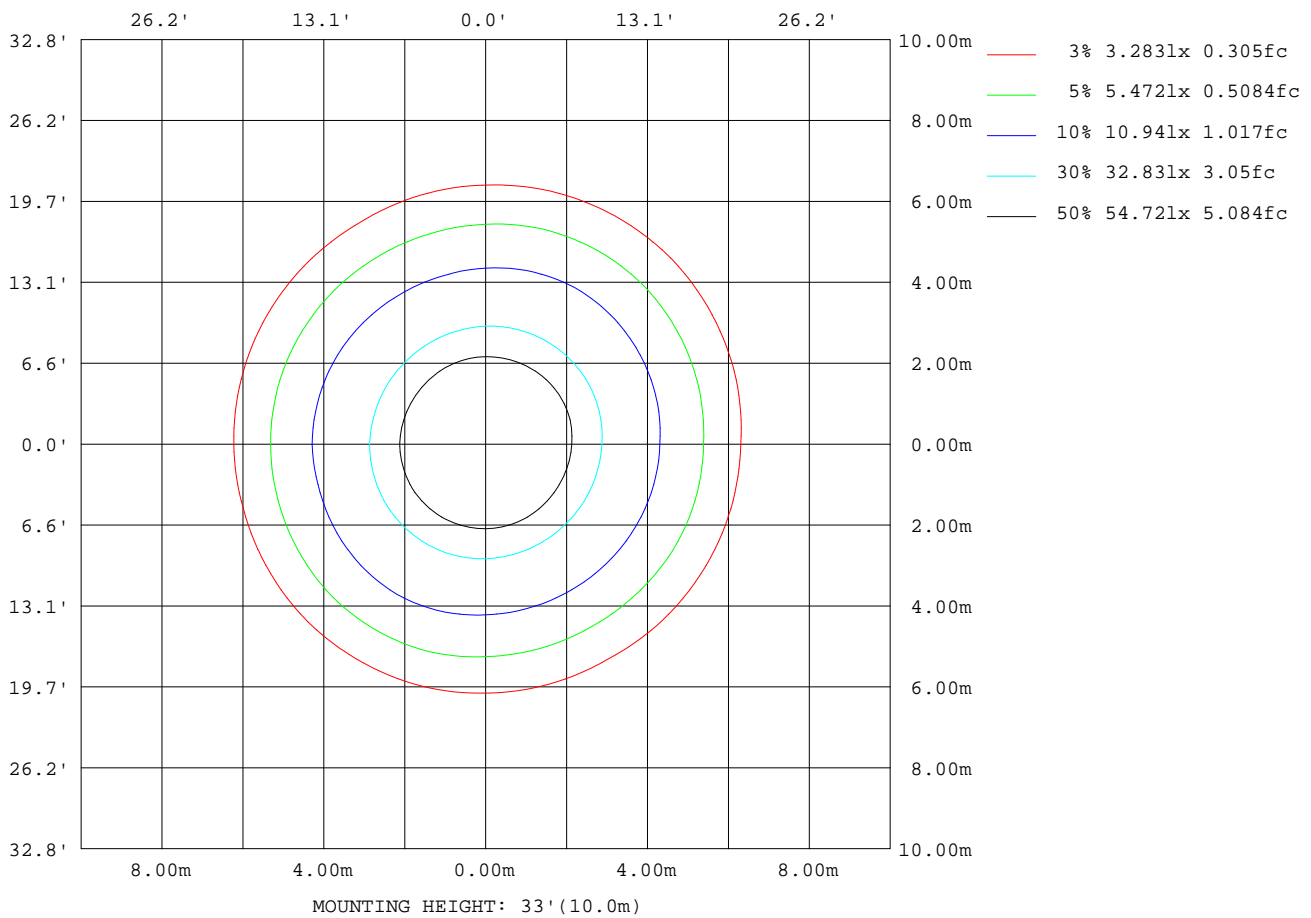
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

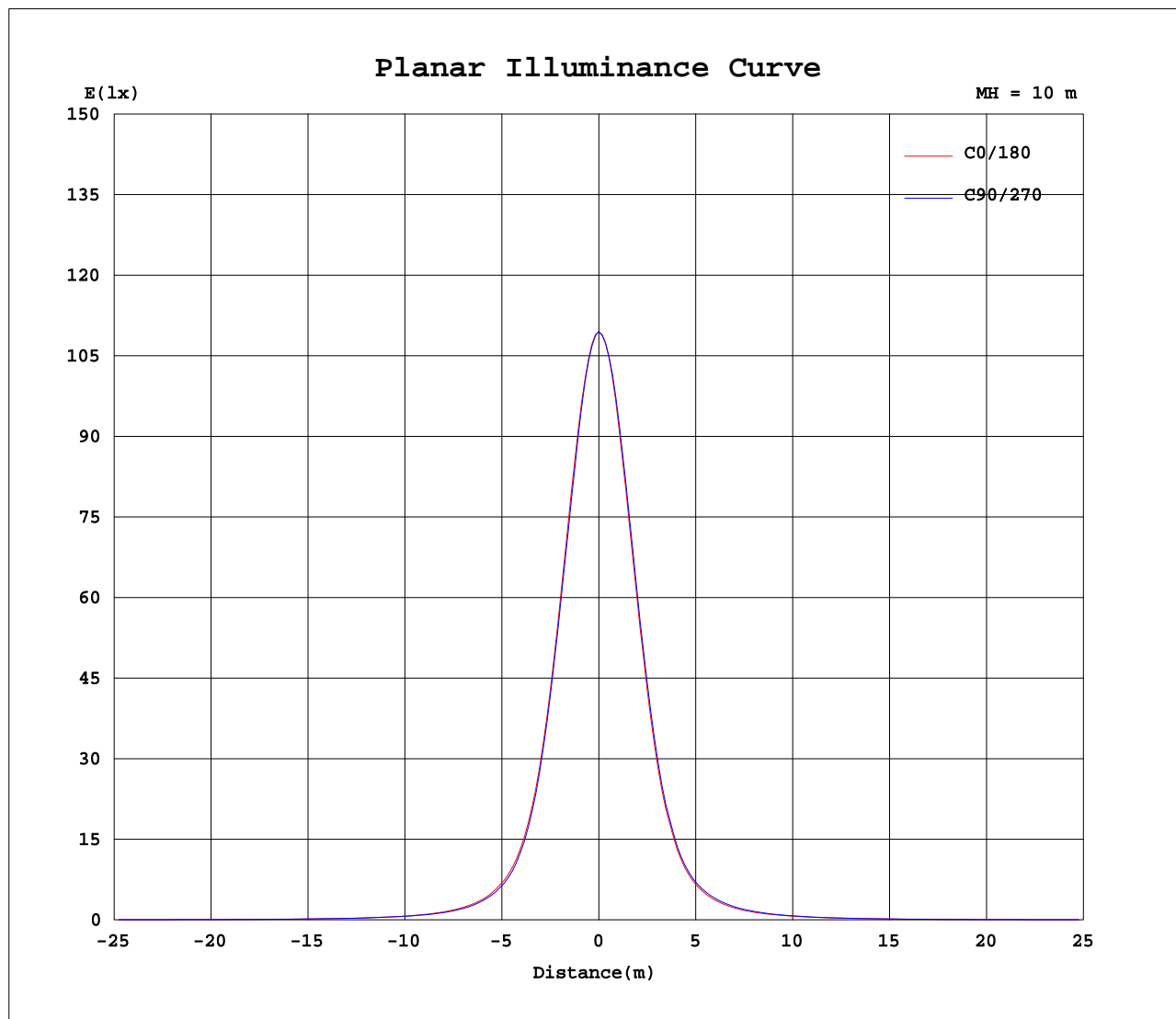
AvgL	cd/m2
L_0~180(65)av	13333
L_0~180(75)av	12192
L_0~180(85)av	11936
L_90~270(65)av	13392
L_90~270(75)av	12435
L_90~270(85)av	13394
L_45(65)av	13358
L_45(75)av	12320
L_45(85)av	12617

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:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1094	1095	1095	1091	1092	1093	1096	1094	1095	1095	1095	1093	1094	1095	1095	1091	1092	1093	1096
5	977	974	973	971	971	969	968	966	966	966	967	971	976	977	980	981	982	984	985
10	705	695	691	686	688	688	691	692	694	696	698	698	701	699	699	700	707	713	718
15	419	408	401	396	398	402	408	412	416	418	419	418	418	412	411	412	417	424	432
20	218	212	207	201	199	201	207	215	220	220	218	215	220	217	215	214	215	220	228
25	114	112	108	106	104	104	106	110	113	113	111	109	111	111	111	111	111	113	118
30	66.7	65.9	64.3	62.3	60.4	61.2	62.3	63.3	63.6	64.4	64.0	63.6	64.4	65.1	65.5	65.8	66.0	67.9	70.0
35	42.6	41.3	40.1	39.1	38.8	38.5	38.8	39.3	39.7	39.6	39.7	39.8	40.7	41.1	41.6	42.1	42.8	43.8	44.7
40	28.7	27.8	27.0	26.4	26.1	26.2	26.5	26.8	26.9	27.1	27.4	27.2	27.6	27.8	28.0	28.3	28.9	29.6	30.5
45	20.8	20.2	19.8	19.5	19.3	19.3	19.4	19.6	19.7	19.8	19.8	19.9	20.1	20.2	20.4	20.7	21.0	21.3	21.8
50	15.7	15.4	15.2	15.0	14.9	14.9	15.0	15.1	15.2	15.2	15.2	15.1	15.3	15.4	15.5	15.6	15.6	15.8	16.2
55	12.1	12.1	12.0	11.9	11.7	11.7	11.8	11.9	11.9	11.9	11.8	11.8	11.9	12.0	12.1	12.1	12.0	12.2	12.3
60	9.60	9.56	9.47	9.41	9.32	9.29	9.39	9.60	9.53	9.59	9.38	9.35	9.41	9.47	9.49	9.49	9.51	9.56	9.71
65	7.53	7.49	7.44	7.37	7.36	7.35	7.40	7.44	7.43	7.43	7.38	7.37	7.42	7.45	7.45	7.45	7.49	7.53	7.61
70	5.75	5.73	5.67	5.65	5.64	5.67	5.72	5.74	5.75	5.76	5.74	5.70	5.71	5.72	5.70	5.71	5.72	5.78	5.84
75	4.20	4.15	4.13	4.06	4.04	4.14	4.24	4.30	4.33	4.33	4.29	4.22	4.17	4.16	4.17	4.14	4.12	4.21	4.30
80	2.87	2.84	2.82	2.70	2.65	2.77	2.94	3.03	3.06	3.08	3.05	2.95	2.86	2.82	2.82	2.72	2.69	2.80	2.93
85	1.40	1.45	1.51	1.43	1.30	1.45	1.56	1.46	1.33	1.46	1.62	1.54	1.36	1.42	1.49	1.40	1.30	1.43	1.54
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
105	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
110	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
115	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
120	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01
125	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
130	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
135	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.07
140	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.13	0.13	0.13	0.12	0.12	0.12	0.13
145	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.23	0.23	0.23	0.23	0.23	0.23	0.23
150	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.34	0.34	0.34	0.34	0.34	0.34	0.34
155	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.43	0.43	0.43	0.43	0.43	0.43	0.42
160	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.48	0.48	0.48	0.48	0.48	0.48	0.48
165	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.48	0.48	0.48	0.48	0.48	0.47	0.47
170	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.41	0.41	0.41	0.41	0.41	0.41	0.41
175	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.33	0.33	0.33	0.33	0.33	0.32	0.32
180	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2022A P:24.21W PF:0.9978 Freq:60.00Hz Lamp Flux:3221.75x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	1094	1095	1095	1095	1093													
5	985	983	984	982	983													
10	719	720	723	722	718													
15	437	441	443	441	434													
20	232	238	238	234	227													
25	123	127	126	123	119													
30	72.1	73.1	73.6	72.2	70.3													
35	45.9	46.5	46.2	45.4	44.2													
40	30.9	31.2	31.4	31.0	30.2													
45	22.2	22.4	22.4	22.0	21.7													
50	16.4	16.6	16.6	16.3	16.1													
55	12.6	12.7	12.6	12.4	12.3													
60	9.84	9.94	9.89	9.79	9.70													
65	7.68	7.72	7.71	7.67	7.64													
70	5.88	5.92	5.93	5.92	5.87													
75	4.32	4.35	4.39	4.38	4.32													
80	3.01	3.02	3.09	3.07	3.01													
85	1.48	1.41	1.54	1.67	1.61													
90	0.01	0.02	0.02	0.02	0.02													
95	0.01	0.01	0.01	0.01	0.01													
100	0.01	0.01	0.01	0.01	0.01													
105	0.01	0.01	0.01	0.01	0.01													
110	0.01	0.01	0.01	0.01	0.01													
115	0.01	0.01	0.01	0.01	0.01													
120	0.01	0.02	0.02	0.02	0.02													
125	0.02	0.02	0.02	0.02	0.02													
130	0.04	0.04	0.04	0.04	0.04													
135	0.07	0.07	0.07	0.07	0.07													
140	0.13	0.13	0.13	0.13	0.13													
145	0.23	0.23	0.23	0.23	0.23													
150	0.34	0.34	0.34	0.34	0.34													
155	0.42	0.42	0.42	0.42	0.42													
160	0.48	0.48	0.48	0.48	0.48													
165	0.47	0.47	0.47	0.47	0.47													
170	0.40	0.41	0.41	0.41	0.41													
175	0.32	0.32	0.32	0.33	0.33													
180	0.25	0.25	0.25	0.25	0.25													

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: