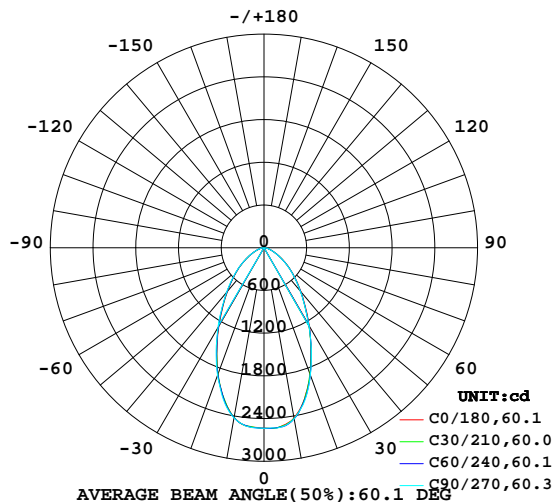


LUMINAIRE PHOTOMETRIC TEST REPORT

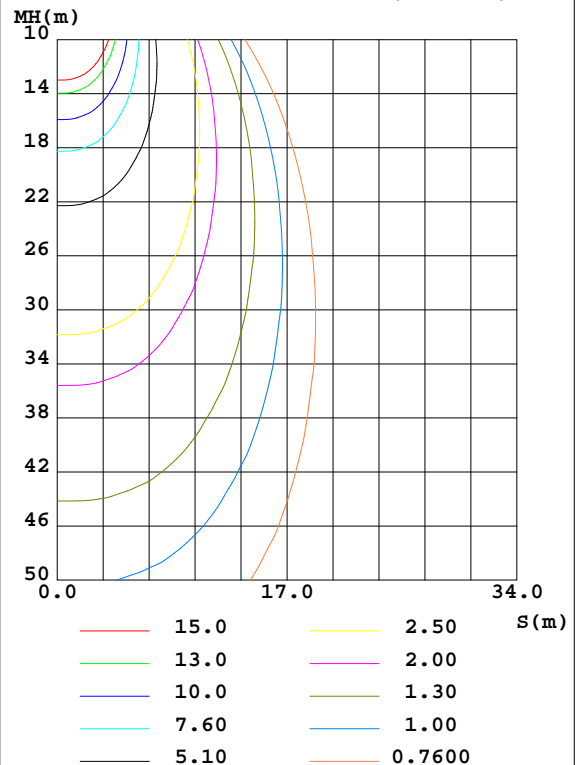
Test:U:120.0V I:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.35 lm/W			
MODEL	INDFPS030UNHD8SC2R6BZP	I _{max} (cd)	2542	S/MH(C0/180)	0.88
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.89
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3303.7	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	3303.74	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.3
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	2426	2439	2440	2428	2423	2418	2428	2424	0- 10	238.2	238.2	7.21,7.21
20	1894	1892	1905	1905	1892	1889	1909	1914	10- 20	612.5	850.7	25.8,25.8
30	1274	1263	1263	1267	1269	1278	1293	1301	20- 30	722.4	1573	47.6,47.6
40	808.7	800.4	793.5	797.9	799.4	808.4	819.1	825.3	30- 40	638.6	2212	66.9,66.9
50	489.5	484.1	478.5	475.0	482.9	486.8	494.4	495.9	40- 50	489.9	2702	81.8,81.8
60	256.9	255.2	250.3	244.9	253.3	257.7	259.9	259.7	50- 60	324.1	3026	91.6,91.6
70	116.9	115.8	113.8	110.7	114.1	116.7	118.4	117.5	60- 70	176.0	3202	96.9,96.9
80	40.70	39.64	40.12	39.84	39.50	39.84	42.23	42.40	70- 80	77.90	3280	99.3,99.3
90	0.1919	0.1101	0.1117	0.0963	0.1019	0.1050	0.2101	0.5155	80- 90	20.15	3300	99.9,99.9
100	0.0816	0.0822	0.0832	0.0832	0.1739	0.1727	0.1692	0.1666	90-100	0.1112	3300	99.9,99.9
110	0.1399	0.1429	0.1449	0.1441	0.2558	0.2534	0.2493	0.2457	100-110	0.1708	3300	99.9,99.9
120	0.2561	0.2600	0.2641	0.2620	0.3802	0.3768	0.3738	0.3706	110-120	0.2462	3300	99.9,99.9
130	0.4771	0.4820	0.4892	0.4866	0.6950	0.6893	0.6890	0.6843	120-130	0.3900	3301	99.9,99.9
140	0.7965	0.8009	0.8077	0.8053	1.209	1.207	1.208	1.200	130-140	0.6034	3301	99.9,99.9
150	1.168	1.173	1.179	1.175	1.934	1.930	1.928	1.922	140-150	0.7974	3302	100,100
160	1.558	1.564	1.570	1.557	2.455	2.458	2.438	2.441	150-160	0.8264	3303	100,100
170	1.745	1.755	1.762	1.737	2.443	2.444	2.422	2.416	160-170	0.5903	3304	100,100
180	2.147	2.175	2.145	2.172	2.135	2.132	2.103	2.103	170-180	0.1975	3304	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2476.7 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(120deg): 3025.8 lm

%lum = 91.6%

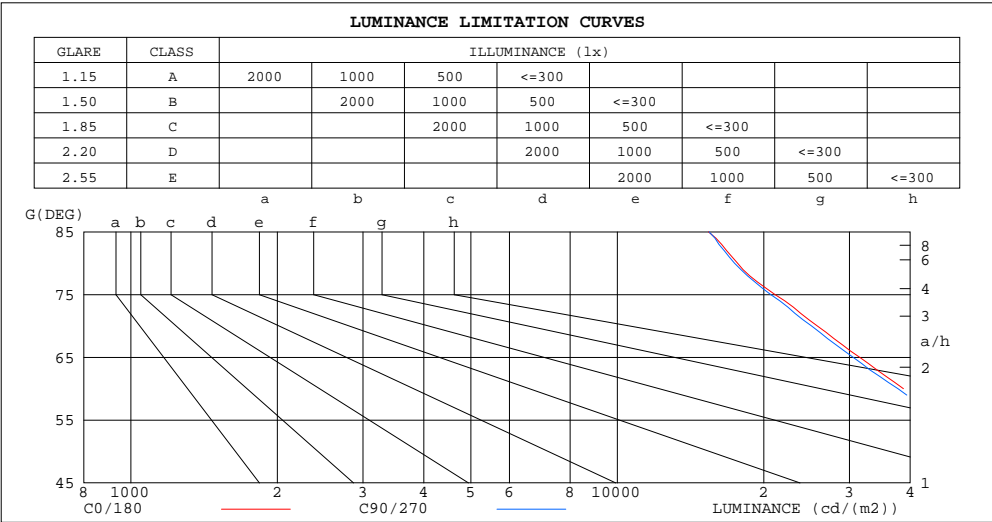
%lamp = 91.6%

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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	15394	15441
80	17667	17416
75	21090	20674
70	25765	25073
65	31498	30541
60	38734	37738
55	47636	46566
50	57397	56117
45	67677	66318

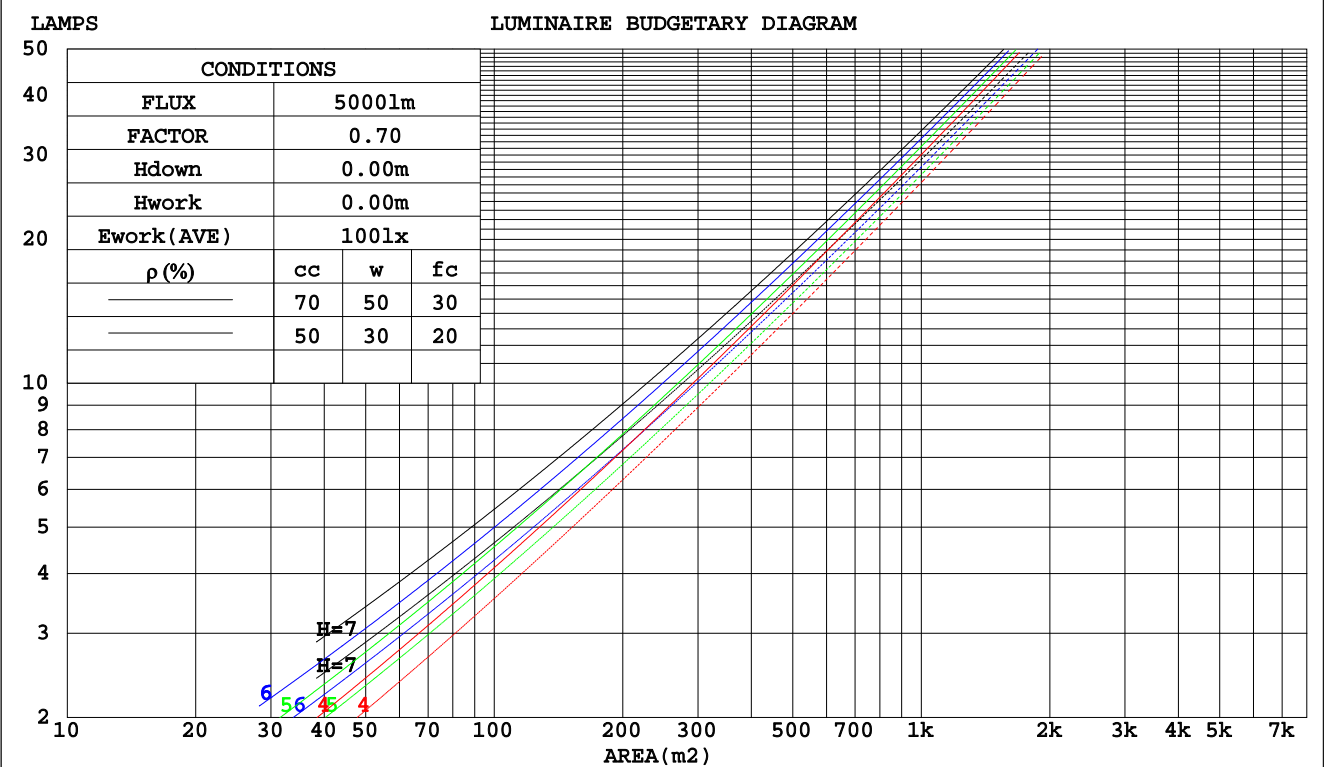
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:16 October 2024

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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	.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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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	.181	.100	.031	
4.0	.200	.104	.031	.196	.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	.064	.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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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	25.0	26.2	25.2	26.4	26.6	24.9	26.1	25.2	26.3	26.5	
	3H	25.5	26.7	25.8	26.9	27.1	25.4	26.6	25.7	26.8	27.0
	4H	25.7	26.8	26.0	27.0	27.3	25.6	26.7	25.9	26.9	27.2
	6H	25.8	26.8	26.1	27.1	27.4	25.7	26.7	26.0	27.0	27.2
	8H	25.8	26.8	26.2	27.1	27.4	25.7	26.7	26.1	27.0	27.3
	12H	25.9	26.8	26.2	27.1	27.4	25.8	26.7	26.1	27.0	27.3
4H	2H	25.2	26.3	25.5	26.5	26.8	25.1	26.2	25.4	26.4	26.7
	3H	25.9	26.8	26.3	27.1	27.4	25.8	26.8	26.2	27.0	27.3
	4H	26.2	27.0	26.5	27.3	27.7	26.1	26.9	26.5	27.2	27.6
	6H	26.4	27.1	26.8	27.4	27.8	26.3	27.0	26.7	27.4	27.7
	8H	26.4	27.1	26.8	27.5	27.8	26.3	27.0	26.7	27.4	27.8
	12H	26.5	27.1	26.9	27.5	27.9	26.4	27.0	26.8	27.4	27.8
8H	4H	26.2	26.9	26.6	27.3	27.7	26.1	26.8	26.5	27.2	27.6
	6H	26.5	27.1	26.9	27.5	27.9	26.4	27.0	26.8	27.4	27.8
	8H	26.6	27.1	27.1	27.5	28.0	26.5	27.0	27.0	27.4	27.9
	12H	26.7	27.1	27.2	27.6	28.0	26.6	27.0	27.1	27.5	27.9
12H	4H	26.2	26.8	26.6	27.2	27.6	26.1	26.8	26.5	27.1	27.5
	6H	26.5	27.0	26.9	27.4	27.9	26.4	26.9	26.9	27.3	27.8
	8H	26.6	27.0	27.1	27.5	28.0	26.5	27.0	27.0	27.4	27.9
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 / - 1.1					

CIE Pub.117, 3304 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

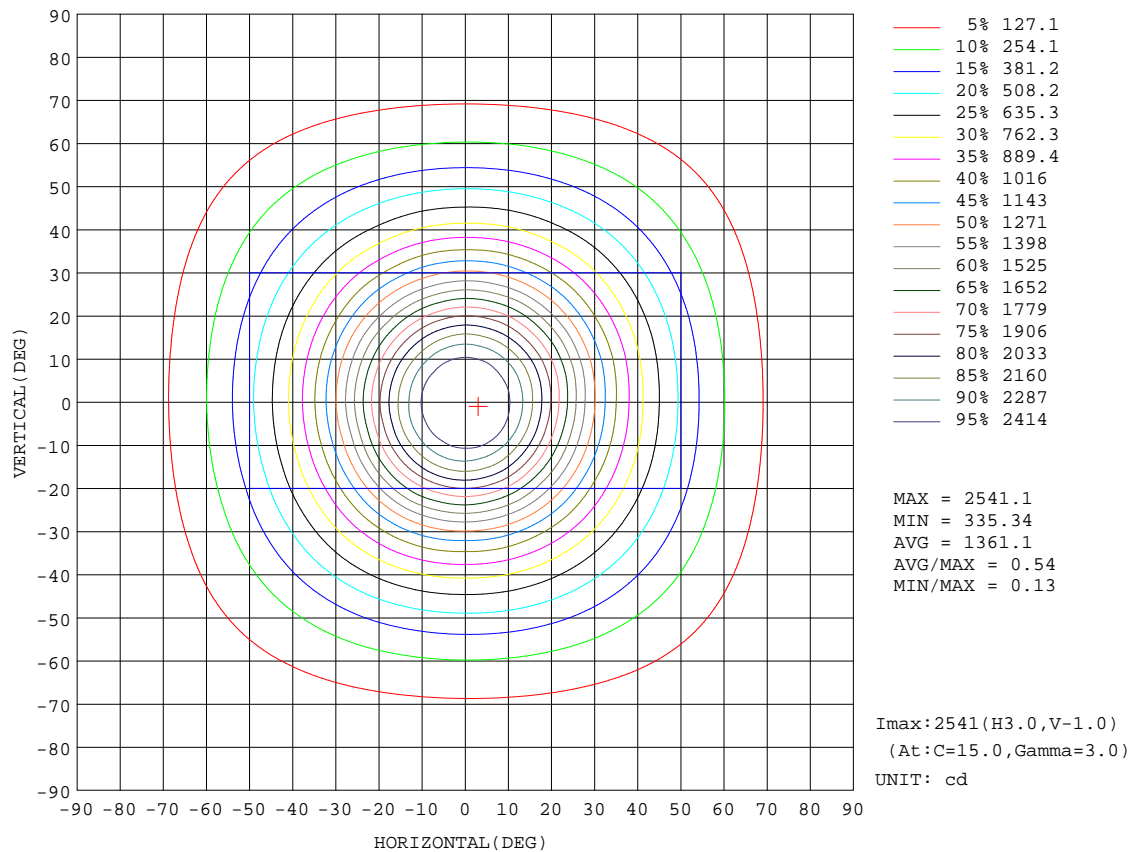
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	61	56	70	61	56	69	61	56	51
0.80	80	71	65	79	71	65	78	70	65	59
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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

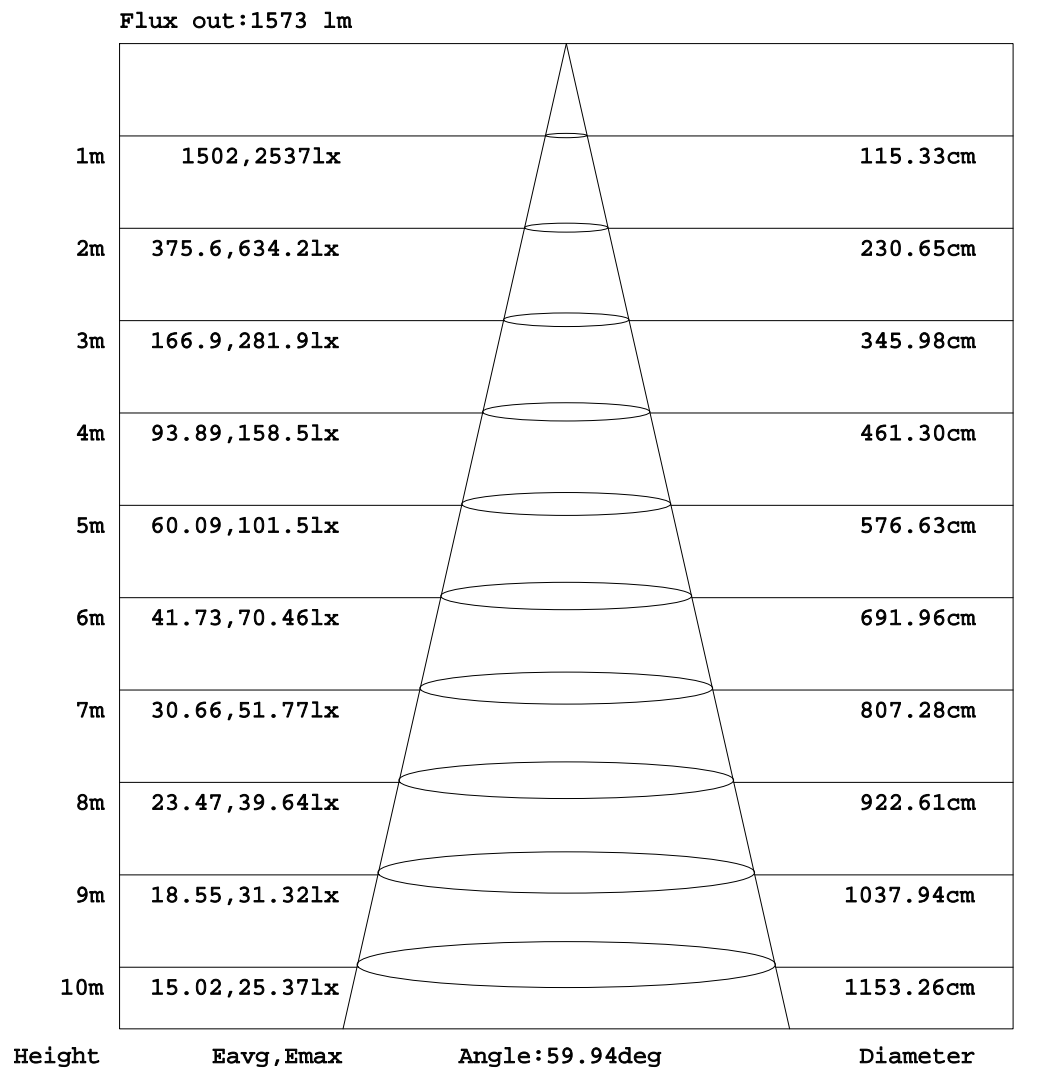


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



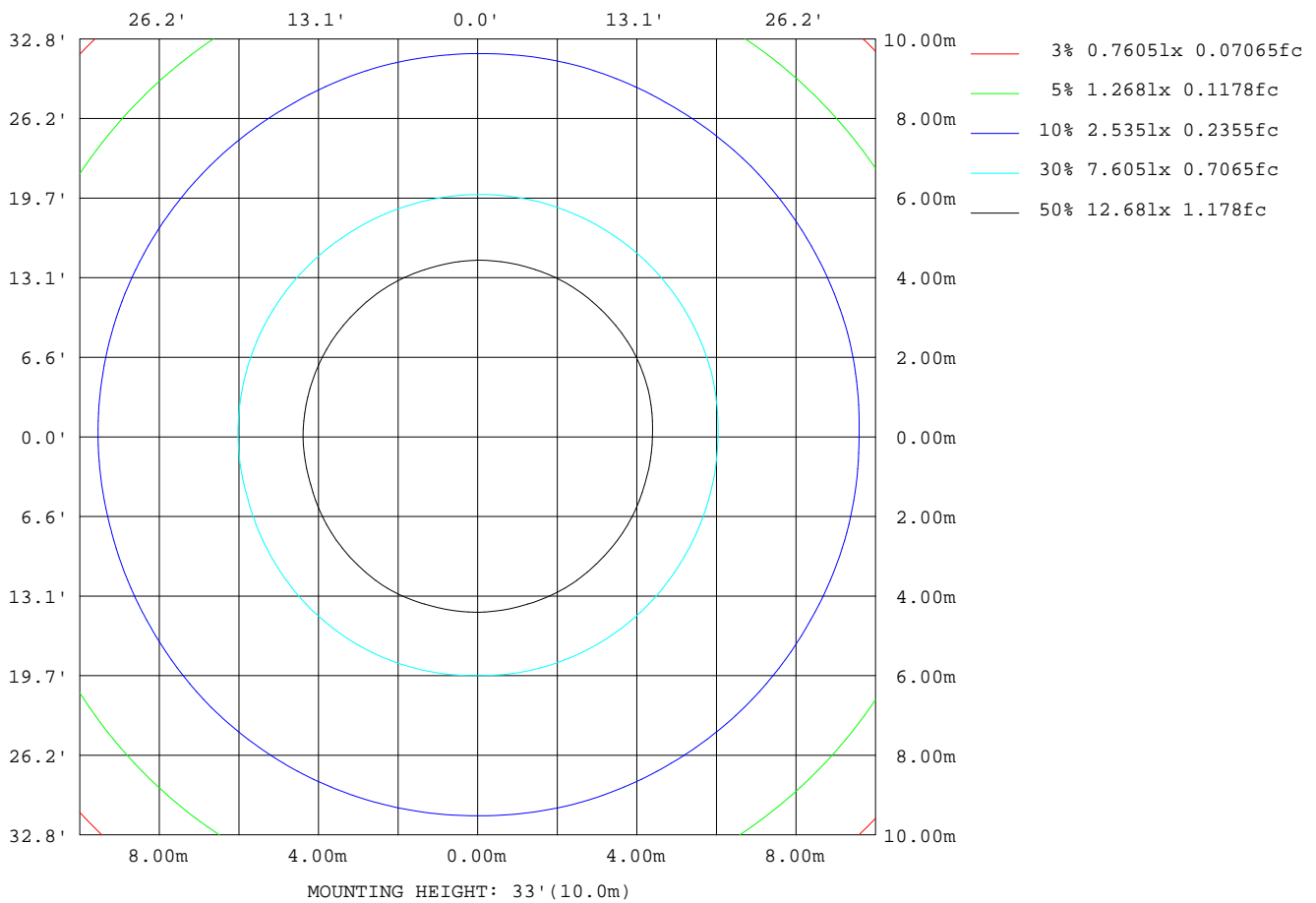
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

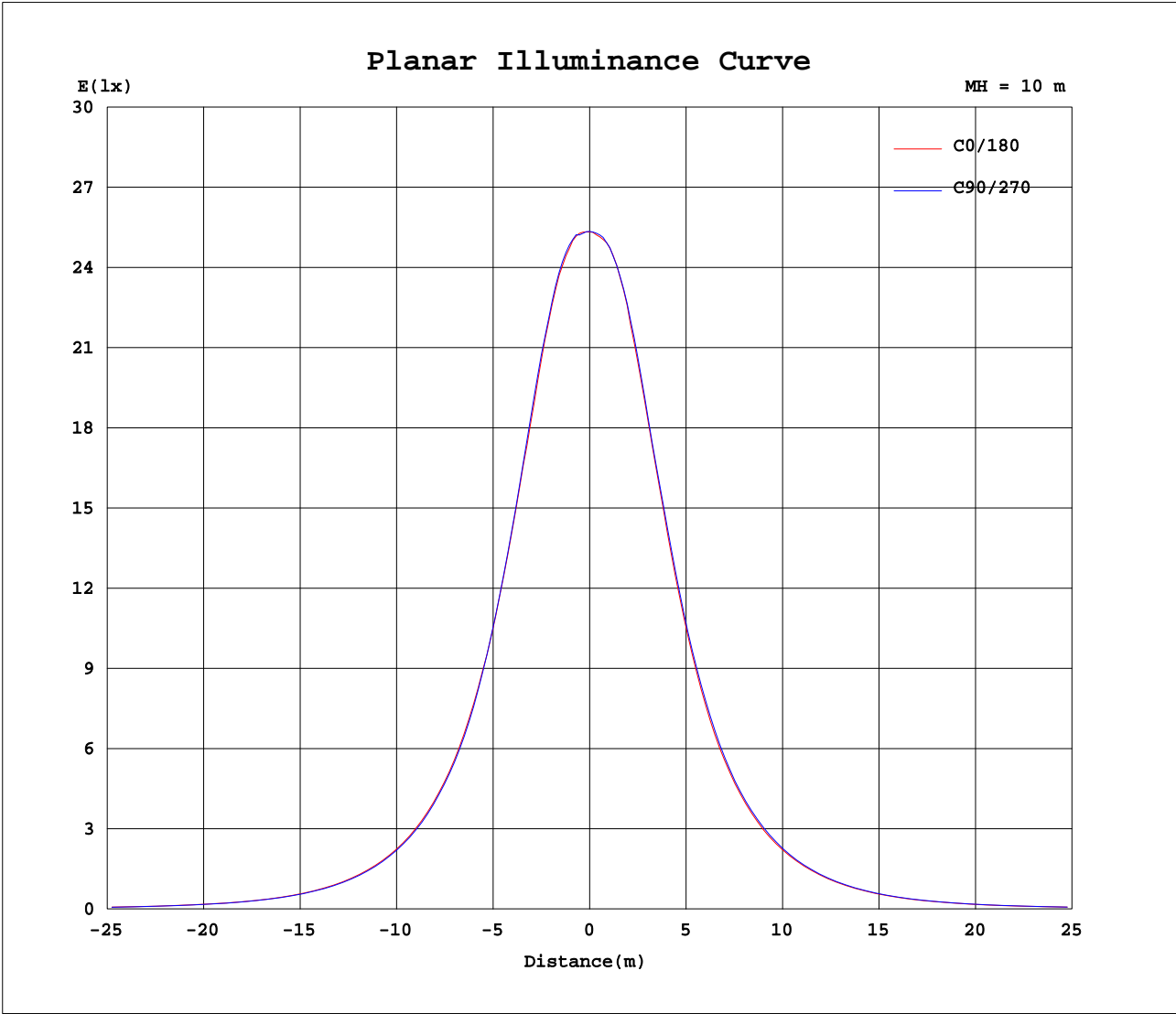
AvgL	cd/m2
L_0~180(65)av	31196
L_0~180(75)av	20808
L_0~180(85)av	15003
L_90~270(65)av	31110
L_90~270(75)av	21152
L_90~270(85)av	15997
L_45(65)av	31063
L_45(75)av	20827
L_45(85)av	15524

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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	2533	2534	2536	2532	2535	2536	2535	2532	2530	2529	2528	2537	2533	2534	2536	2532	2535	2536	2535
5	2529	2527	2526	2529	2530	2538	2533	2533	2531	2528	2524	2524	2522	2516	2515	2517	2519	2525	2522
10	2426	2431	2434	2439	2441	2443	2440	2439	2429	2428	2422	2422	2423	2421	2420	2418	2425	2426	2428
15	2198	2195	2199	2202	2207	2214	2220	2221	2218	2211	2204	2200	2192	2187	2182	2187	2191	2202	2208
20	1894	1882	1886	1892	1903	1902	1905	1907	1907	1905	1894	1885	1892	1888	1888	1889	1896	1900	1909
25	1571	1555	1558	1554	1567	1568	1574	1574	1586	1575	1565	1552	1569	1566	1569	1565	1572	1579	1592
30	1274	1264	1261	1263	1267	1266	1263	1271	1273	1267	1256	1251	1269	1274	1278	1278	1280	1286	1293
35	1016	1008	1001	1006	1004	1006	1000	1009	1012	1009	999	999	1010	1015	1015	1022	1019	1034	1032
40	809	806	800	800	799	797	794	796	799	798	788	790	799	804	805	808	810	816	819
45	635	633	626	626	626	627	622	626	627	625	619	619	627	632	630	631	630	641	643
50	489	488	486	484	485	483	479	479	478	475	473	474	483	486	486	487	489	492	494
55	362	362	362	360	360	358	354	352	352	350	348	349	358	362	361	362	364	367	366
60	257	258	258	255	254	252	250	249	248	245	244	245	253	257	258	258	258	259	260
65	177	177	176	175	174	173	171	171	170	168	167	168	173	175	176	176	177	177	178
70	117	117	116	116	115	115	114	112	112	111	111	111	114	115	116	117	118	118	118
75	72.4	71.8	71.7	71.3	70.7	71.2	71.0	69.9	69.3	69.0	69.0	69.1	70.5	71.0	71.6	72.0	72.6	73.7	74.3
80	40.7	40.4	40.4	39.6	39.3	39.8	40.1	40.1	39.7	39.8	39.7	39.4	39.5	39.4	39.9	39.8	40.3	41.3	42.2
85	17.8	17.8	18.1	17.7	16.9	17.5	17.9	17.2	16.5	17.1	17.8	17.3	16.9	17.1	17.6	17.6	17.5	18.5	19.1
90	0.19	0.21	0.13	0.11	0.10	0.11	0.11	0.09	0.07	0.10	0.08	0.08	0.10	0.10	0.10	0.10	0.12	0.13	0.21
95	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.13
100	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.17	0.17	0.17	0.17	0.17	0.17	0.17
105	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.22	0.22	0.22	0.22	0.22	0.22	0.22
110	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.26	0.26	0.26	0.25	0.25	0.25	0.25
115	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.30	0.30	0.30	0.30	0.30	0.30	0.30
120	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.38	0.38	0.38	0.38	0.38	0.37	0.37
125	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.51	0.51	0.51	0.51	0.50	0.50	0.50
130	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.70	0.69	0.69	0.69	0.69	0.69	0.69
135	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.64	0.64	0.92	0.92	0.92	0.92	0.92	0.92	0.92
140	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	1.21	1.21	1.21	1.21	1.21	1.21	1.21
145	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.58	1.58	1.57	1.57	1.57	1.57	1.58
150	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.17	1.18	1.18	1.93	1.93	1.93	1.93	1.93	1.93	1.93
155	1.40	1.40	1.40	1.41	1.41	1.41	1.42	1.42	1.41	1.41	1.41	1.41	2.22	2.22	2.22	2.21	2.21	2.21	2.21
160	1.56	1.56	1.56	1.56	1.57	1.57	1.57	1.56	1.56	1.56	1.56	1.56	2.46	2.46	2.46	2.46	2.45	2.44	2.44
165	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.68	1.68	1.68	1.67	2.54	2.54	2.54	2.54	2.53	2.53	2.52
170	1.74	1.75	1.75	1.75	1.76	1.76	1.76	1.76	1.75	1.74	1.74	1.73	2.44	2.44	2.45	2.44	2.43	2.43	2.42
175	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.87	1.87	1.86	1.85	2.28	2.29	2.29	2.28	2.28	2.27	2.26
180	2.15	2.18	2.17	2.18	2.16	2.15	2.15	2.17	2.17	2.17	2.18	2.18	2.13	2.14	2.14	2.13	2.12	2.11	2.10

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:0.2024A P:24.23W PF:0.9978 Freq:60.00Hz Lamp Flux:3303.74x1 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(DEC) γ (DEC)	285	300	315	330	345													
0	2532	2530	2529	2528	2537													
5	2525	2527	2529	2528	2531													
10	2427	2428	2424	2422	2430													
15	2206	2211	2213	2215	2207													
20	1910	1918	1914	1919	1911													
25	1594	1604	1600	1605	1595													
30	1300	1301	1301	1299	1294													
35	1041	1040	1045	1041	1041													
40	825	821	825	824	823													
45	649	646	649	649	647													
50	496	495	496	497	496													
55	367	367	366	367	367													
60	261	260	260	258	259													
65	179	179	178	177	177													
70	119	118	118	118	118													
75	73.8	73.5	73.7	74.0	74.0													
80	42.3	42.1	42.4	42.4	42.1													
85	19.0	18.6	19.3	19.9	19.5													
90	0.33	0.38	0.52	0.46	0.46													
95	0.13	0.13	0.13	0.12	0.12													
100	0.17	0.17	0.17	0.17	0.17													
105	0.21	0.21	0.21	0.21	0.21													
110	0.25	0.25	0.25	0.25	0.25													
115	0.30	0.30	0.29	0.29	0.29													
120	0.37	0.37	0.37	0.37	0.37													
125	0.50	0.50	0.50	0.50	0.50													
130	0.69	0.69	0.68	0.68	0.68													
135	0.92	0.92	0.92	0.91	0.91													
140	1.21	1.20	1.20	1.20	1.20													
145	1.58	1.57	1.57	1.57	1.57													
150	1.93	1.93	1.92	1.92	1.92													
155	2.21	2.21	2.21	2.21	2.21													
160	2.44	2.44	2.44	2.44	2.45													
165	2.52	2.52	2.53	2.53	2.53													
170	2.41	2.41	2.42	2.42	2.42													
175	2.26	2.26	2.26	2.27	2.28													
180	2.10	2.10	2.10	2.11	2.11													

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: