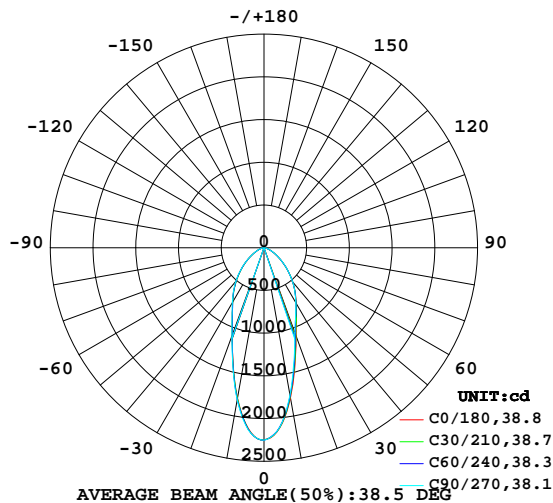


LUMINAIRE PHOTOMETRIC TEST REPORT

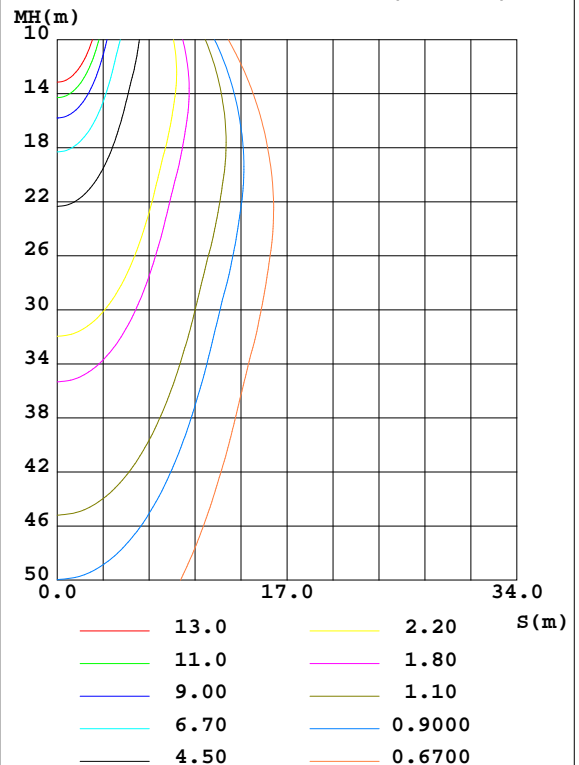
Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.47 lm/W			
MODEL	INDFPS020UNHD8SC2R4BZP	I _{max} (cd)	2252	S/MH(C0/180)	0.60
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2057.3	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	2057.29	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	99.9	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: 15 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
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	1786	1769	1752	1756	1789	1800	1812	1818	0- 10	191.3	191.3	9.3,9.3
20	1101	1085	1059	1068	1087	1092	1097	1111	10- 20	388.8	580.0	28.2,28.2
30	753.1	753.3	744.6	742.1	737.7	736.7	742.9	756.7	20- 30	410.1	990.2	48.1,48.1
40	520.5	521.9	522.0	515.2	507.5	504.1	515.1	521.4	30- 40	392.2	1382	67.2,67.2
50	312.0	313.9	316.6	309.8	305.4	303.1	309.9	314.2	40- 50	314.6	1697	82.5,82.5
60	156.7	157.3	158.5	155.7	152.6	152.8	155.3	156.5	50- 60	202.4	1899	92.3,92.3
70	65.78	65.19	65.93	65.40	64.75	64.62	65.95	66.65	60- 70	104.8	2004	97.4,97.4
80	19.75	19.43	18.53	19.20	20.26	20.22	19.94	20.13	70- 80	41.57	2046	99.4,99.4
90	0.0531	0.0368	0.0310	0.0344	0.0563	0.0578	0.0613	0.0639	80- 90	9.131	2055	99.9,99.9
100	0.0489	0.0483	0.0490	0.0502	0.1033	0.1035	0.1051	0.1026	90-100	0.0623	2055	99.9,99.9
110	0.0846	0.0846	0.0859	0.0868	0.1560	0.1572	0.1581	0.1556	100-110	0.1042	2055	99.9,99.9
120	0.1574	0.1580	0.1606	0.1619	0.2353	0.2380	0.2361	0.2344	110-120	0.1528	2055	99.9,99.9
130	0.2904	0.2912	0.2951	0.2972	0.4207	0.4225	0.4184	0.4165	120-130	0.2398	2055	99.9,99.9
140	0.4913	0.4944	0.4998	0.5030	0.7434	0.7435	0.7377	0.7362	130-140	0.3666	2056	99.9,99.9
150	0.7504	0.7576	0.7648	0.7669	1.276	1.273	1.270	1.270	140-150	0.5083	2056	99.9,99.9
160	0.9745	0.9812	0.9900	0.9913	1.642	1.639	1.638	1.645	150-160	0.5452	2057	100,100
170	1.058	1.067	1.076	1.071	1.543	1.545	1.542	1.553	160-170	0.3791	2057	100,100
180	1.280	1.276	1.269	1.278	1.279	1.272	1.264	1.270	170-180	0.1223	2057	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1552.6 lm

%lum = 75.5%

%lamp = 75.5%

Conical surface Flux(120deg): 1899.3 lm

%lum = 92.3%

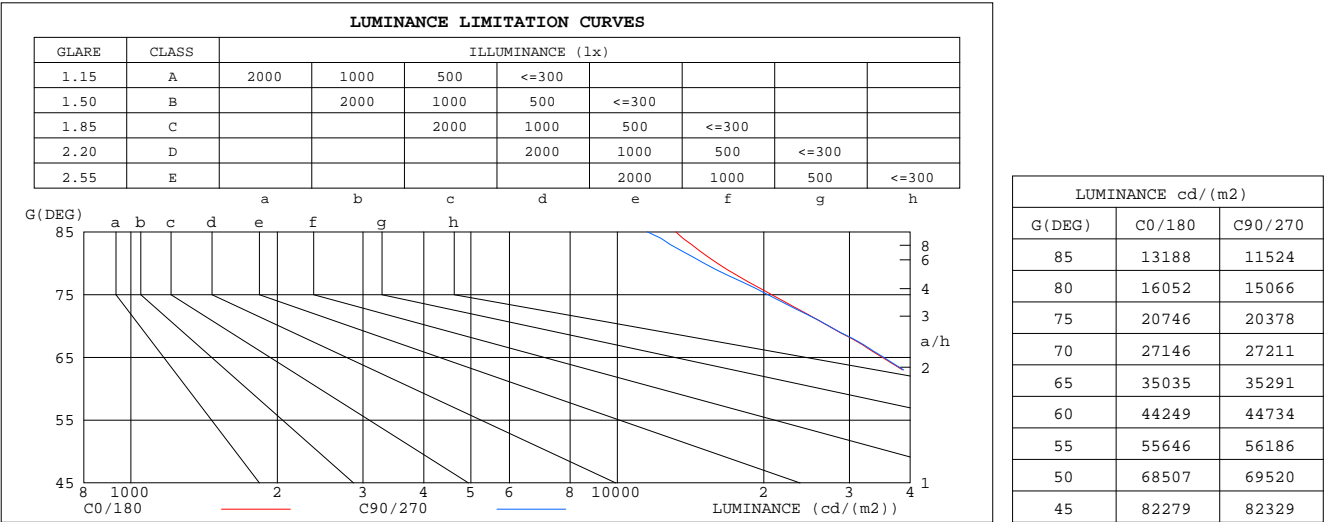
%lamp = 92.3%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



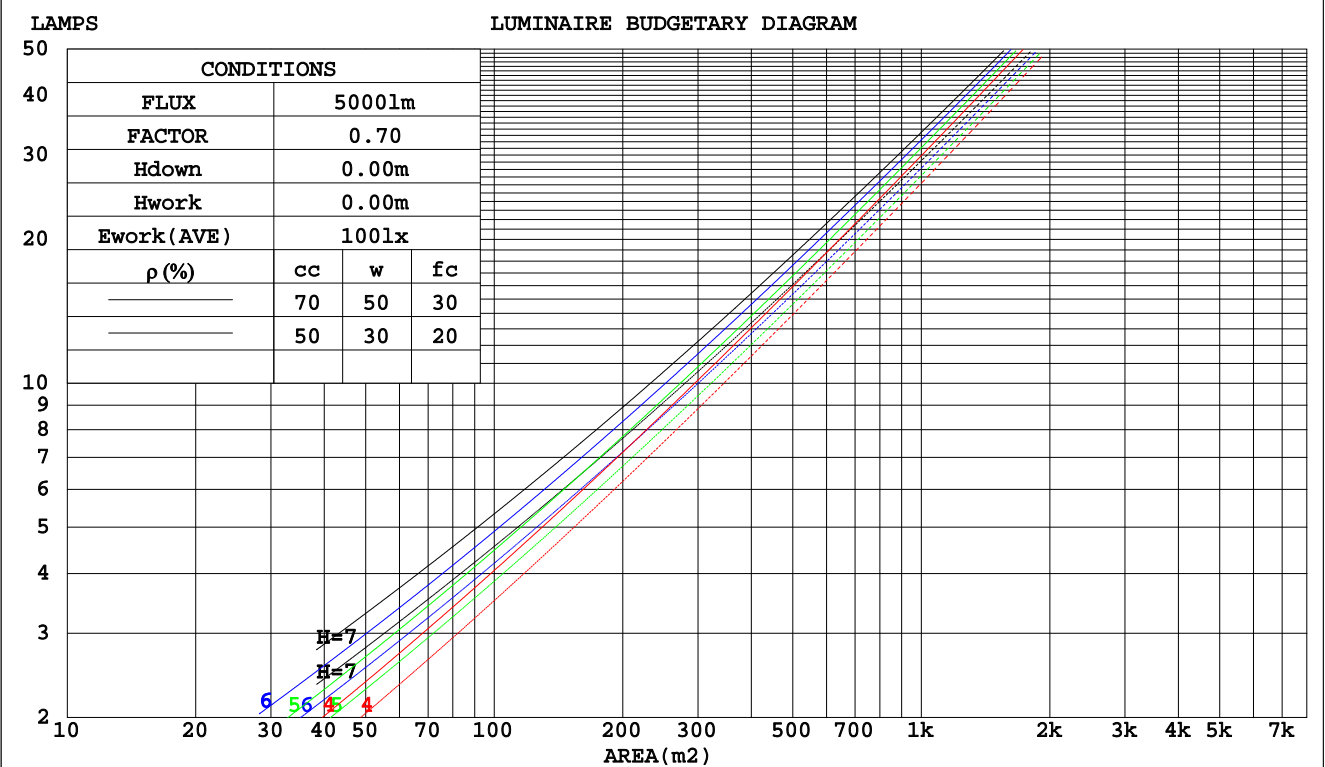
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 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															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 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	.229	.130	.041	.222	.127	.040	.209	.120	.038	.197	.114	.036	.186	.108	.035	
2.0	.220	.121	.037	.215	.118	.036	.203	.113	.035	.193	.108	.034	.184	.104	.033	
3.0	.209	.111	.033	.203	.109	.033	.194	.105	.032	.185	.101	.031	.177	.098	.030	
4.0	.196	.102	.030	.192	.100	.030	.183	.097	.029	.176	.094	.028	.168	.091	.028	
5.0	.185	.094	.027	.181	.093	.027	.173	.090	.027	.166	.088	.026	.160	.085	.026	
6.0	.174	.087	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	.152	.080	.024	
7.0	.164	.081	.023	.161	.080	.023	.155	.078	.023	.150	.077	.022	.144	.075	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.137	.071	.021	
9.0	.147	.071	.020	.144	.070	.020	.140	.069	.020	.135	.068	.019	.131	.066	.019	
10.0	.139	.067	.019	.137	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.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	.142	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.108	.140	.115	.093	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.154	.115	.084	.132	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.145	.101	.067	.124	.087	.058	.085	.061	.041	.049	.036	.024	.016	.012	.008	
5.0	.137	.090	.055	.118	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.123	.074	.039	.106	.064	.034	.073	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.117	.068	.034	.101	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.112	.063	.029	.096	.054	.026	.067	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.107	.058	.026	.092	.051	.023	.064	.036	.016	.037	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 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	25.6	26.8	25.9	27.0	27.2	
	3H	26.1	27.2	26.3	27.4	27.6	26.1	27.2	26.4	27.4	27.6
	4H	26.2	27.2	26.5	27.4	27.7	26.2	27.2	26.5	27.5	27.7
	6H	26.2	27.2	26.5	27.4	27.7	26.2	27.2	26.5	27.4	27.7
	8H	26.2	27.1	26.5	27.4	27.7	26.2	27.1	26.5	27.4	27.7
	12H	26.2	27.1	26.5	27.4	27.7	26.2	27.1	26.5	27.4	27.6
4H	2H	25.8	26.9	26.1	27.1	27.3	25.8	26.9	26.1	27.1	27.3
	3H	26.4	27.3	26.7	27.6	27.9	26.4	27.3	26.7	27.6	27.9
	4H	26.5	27.4	26.9	27.7	28.0	26.6	27.4	26.9	27.7	28.0
	6H	26.6	27.4	27.0	27.7	28.1	26.6	27.4	27.0	27.7	28.1
	8H	26.6	27.3	27.1	27.7	28.1	26.6	27.3	27.0	27.7	28.1
	12H	26.6	27.3	27.1	27.6	28.0	26.6	27.3	27.1	27.6	28.0
8H	4H	26.5	27.2	26.9	27.6	28.0	26.6	27.2	27.0	27.6	28.0
	6H	26.7	27.2	27.1	27.6	28.1	26.7	27.2	27.1	27.6	28.1
	8H	26.7	27.2	27.2	27.7	28.1	26.7	27.2	27.2	27.6	28.1
	12H	26.8	27.2	27.2	27.6	28.1	26.7	27.2	27.2	27.6	28.1
12H	4H	26.5	27.1	26.9	27.5	27.9	26.5	27.1	26.9	27.5	27.9
	6H	26.7	27.2	27.1	27.6	28.0	26.7	27.2	27.1	27.6	28.0
	8H	26.7	27.2	27.2	27.6	28.1	26.7	27.1	27.2	27.6	28.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9					
1.5H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					
2.0H	+ 1.4 / - 1.3					+ 1.4 / - 1.4					

CIE Pub.117, 2057 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.5$)
Area: 0.00708462 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

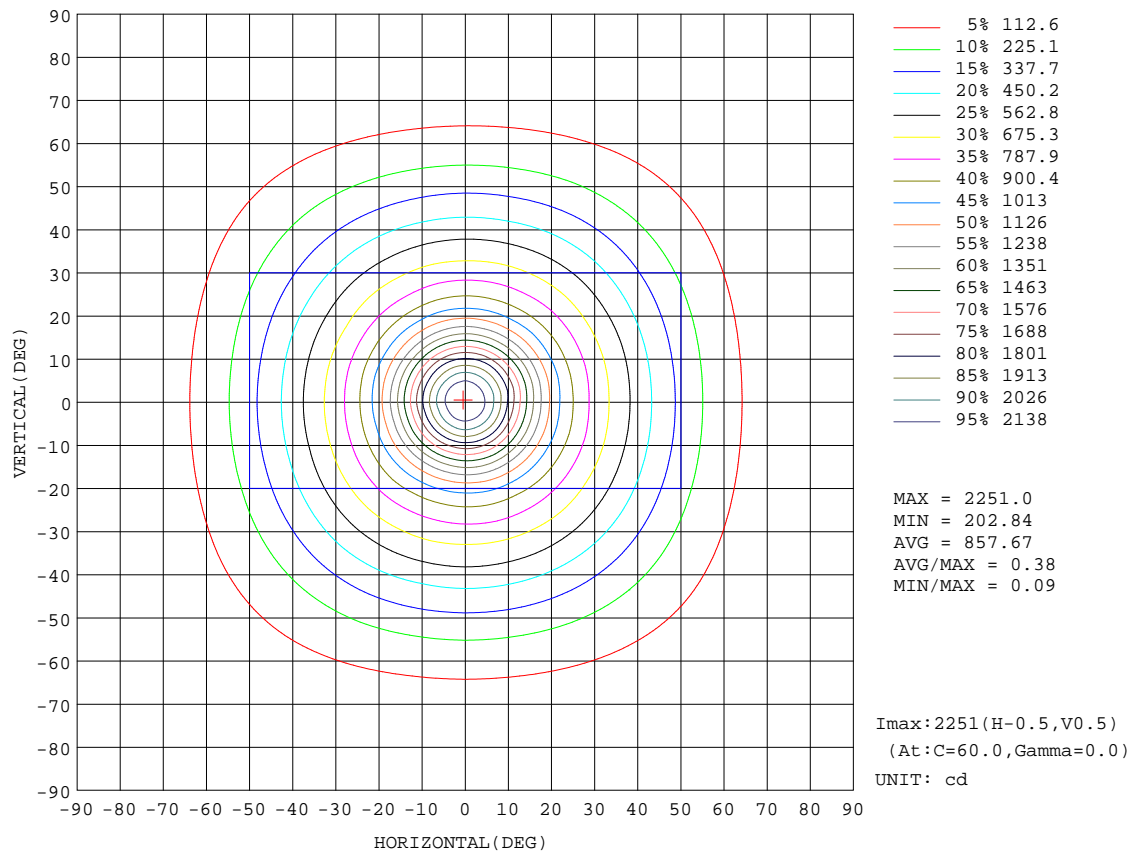
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	56	70	61	56	69	61	56	51
0.80	80	71	66	79	71	66	78	70	65	60
1.00	87	79	74	86	79	73	84	79	73	67
1.25	93	86	80	92	85	80	90	84	79	73
1.50	97	90	85	96	89	85	93	88	83	78
2.00	102	96	91	101	95	91	98	93	89	83
2.50	105	99	95	103	98	94	100	96	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	109	106	110	107	104	105	103	101	93
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: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

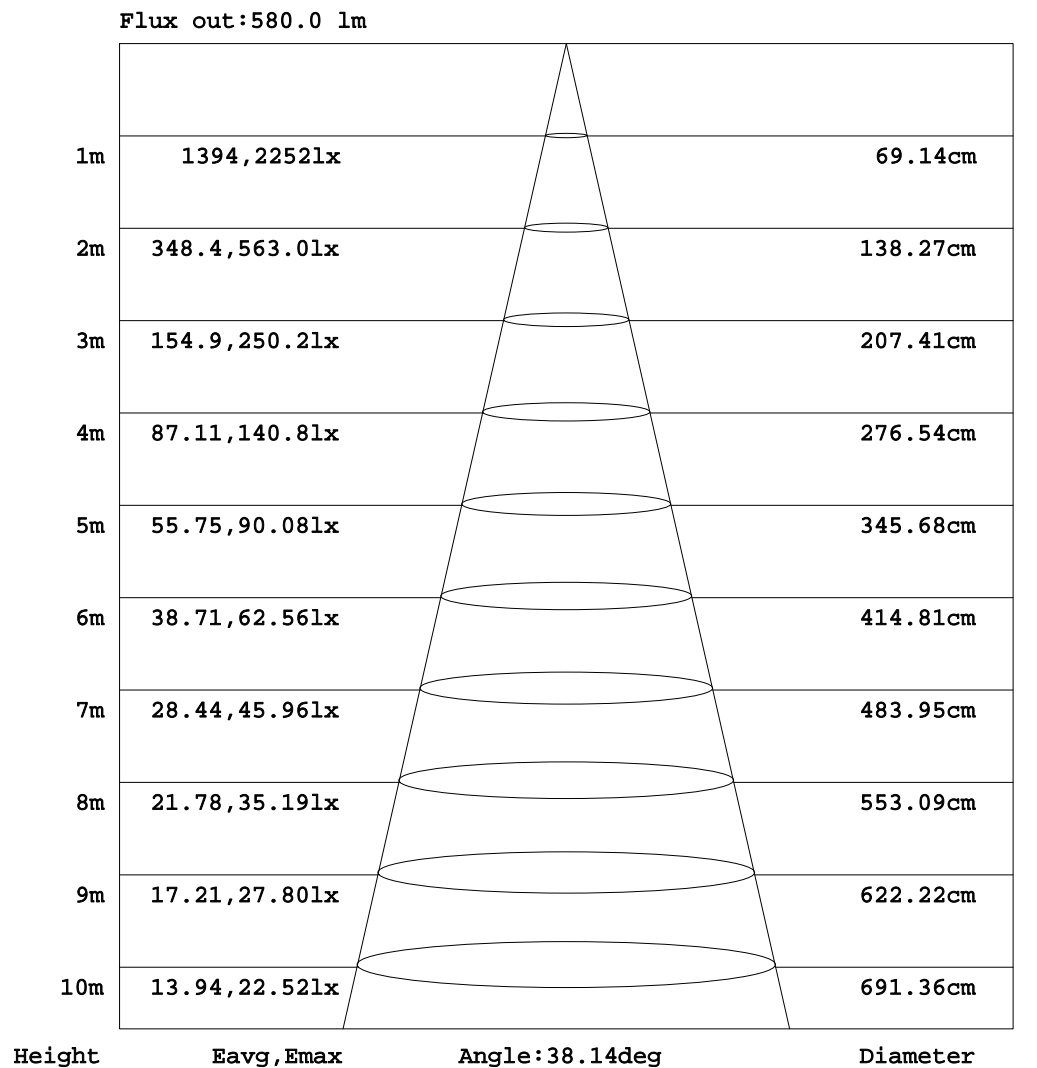


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

AAI Figure

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



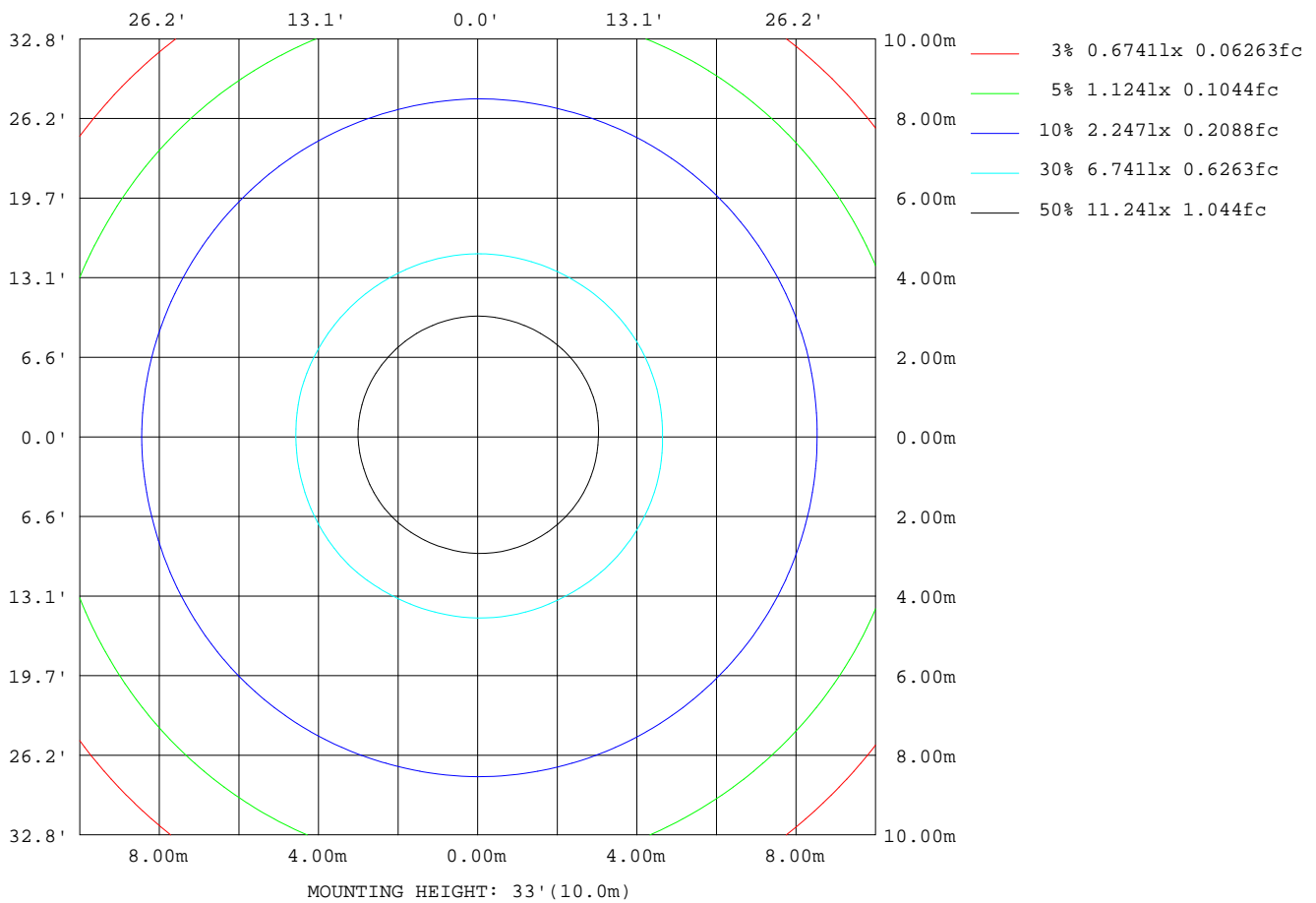
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.6%
 Test Distance:2.500m [K=1.0461]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 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: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

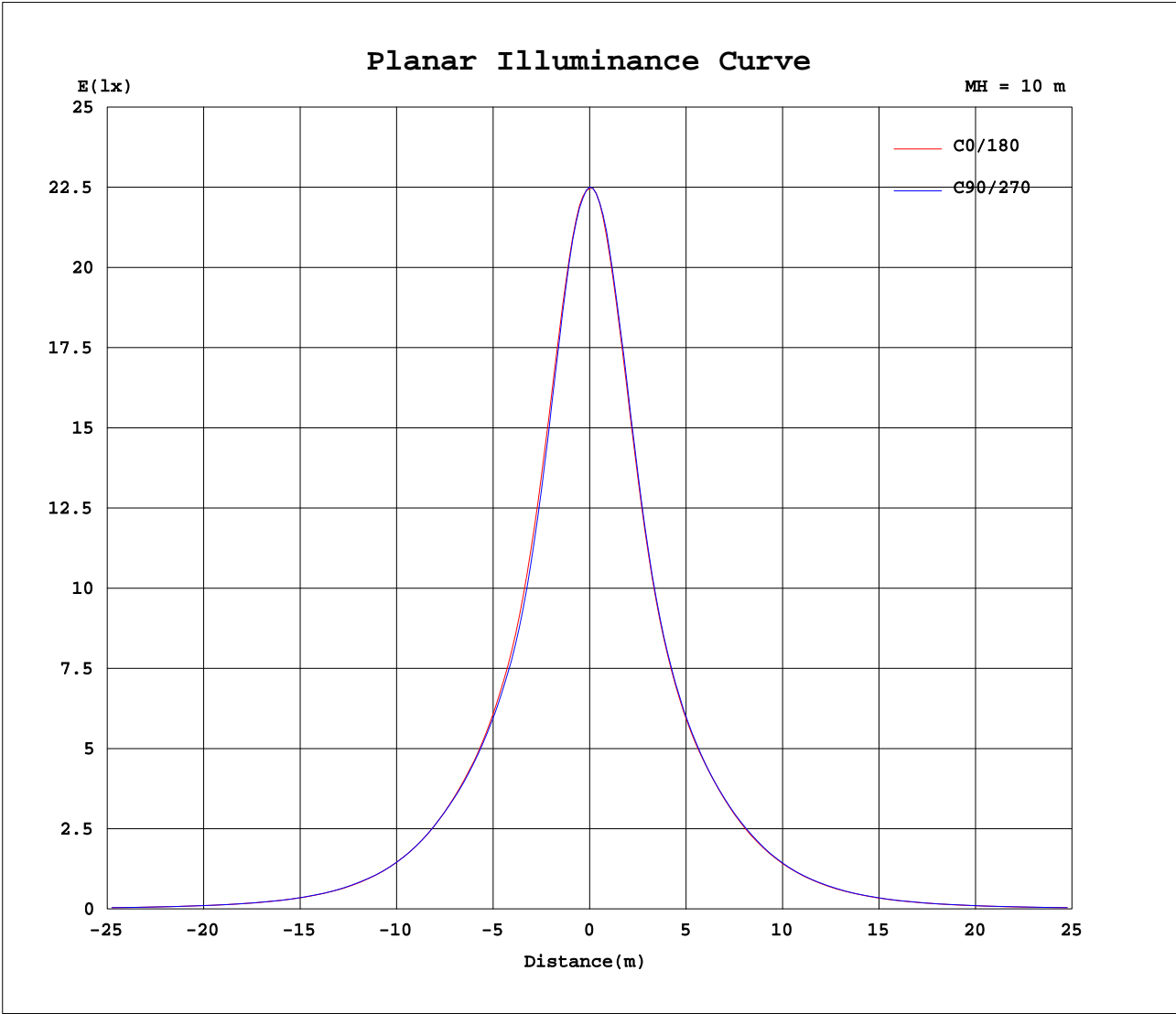
AvgL	cd/m2
L_0~180(65)av	34620
L_0~180(75)av	20675
L_0~180(85)av	13309
L_90~270(65)av	35072
L_90~270(75)av	20642
L_90~270(85)av	12183
L_45(65)av	34708
L_45(75)av	20637
L_45(85)av	12713

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
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: 15 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.6%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1315A P:15.53W PF:0.9841 Freq:60.00Hz Lamp Flux:2057.29x1 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	2247	2248	2248	2252	2252	2251	2251	2251	2248	2251	2251	2251	2247	2248	2248	2252	2252	2251	2251
5	2118	2118	2114	2112	2106	2108	2110	2107	2108	2107	2108	2109	2123	2126	2129	2130	2133	2133	2138
10	1786	1773	1770	1769	1762	1755	1752	1748	1752	1756	1761	1769	1789	1794	1791	1800	1807	1810	1812
15	1407	1399	1393	1383	1375	1369	1361	1352	1354	1364	1374	1379	1402	1405	1406	1404	1407	1411	1416
20	1101	1098	1092	1085	1075	1067	1059	1056	1059	1068	1075	1076	1087	1093	1091	1092	1091	1095	1097
25	901	904	898	891	883	880	877	871	870	875	878	873	880	885	881	879	879	885	889
30	753	755	754	753	750	749	745	743	742	742	738	737	738	737	731	737	736	743	743
35	637	637	634	635	634	634	632	631	628	625	622	619	621	620	615	618	618	624	625
40	520	520	522	522	522	521	522	519	518	515	509	505	507	505	503	504	508	510	515
45	412	413	413	413	413	413	412	409	409	406	401	399	401	400	397	398	401	403	406
50	312	312	313	314	315	316	317	315	313	310	305	303	305	303	302	303	305	307	310
55	226	226	227	227	228	227	228	226	225	222	220	218	221	221	220	221	222	223	225
60	157	157	158	157	157	157	158	157	157	156	154	152	153	152	153	153	152	154	155
65	105	104	105	104	105	105	106	105	105	104	103	102	102	102	102	102	102	103	104
70	65.8	65.3	65.2	65.2	65.5	65.9	65.9	65.6	65.8	65.4	64.6	64.2	64.7	64.2	64.3	64.6	65.1	65.7	66.0
75	38.0	37.7	37.5	37.5	37.7	37.6	37.4	37.4	37.8	37.6	37.3	37.2	37.8	37.7	37.8	37.9	38.3	38.1	38.3
80	19.7	19.6	19.4	19.4	19.1	18.8	18.5	18.8	19.2	19.2	19.4	19.6	20.3	20.3	20.2	20.2	20.1	20.0	19.9
85	8.14	7.75	7.50	7.65	7.59	7.36	7.12	7.43	7.60	7.59	7.59	8.04	8.29	8.02	7.87	8.10	8.23	8.05	7.93
90	0.05	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.08	0.08	0.08	0.07	0.08	0.07	0.08
100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.11
105	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.06	0.13	0.13	0.13	0.14	0.13	0.13	0.13
110	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.16	0.16	0.16	0.16	0.16	0.16	0.16
115	0.12	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.19	0.19	0.19	0.19	0.19	0.19	0.19
120	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.24	0.24	0.24	0.24	0.24	0.24	0.24
125	0.22	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.31	0.31	0.31	0.32	0.31	0.31	0.31
130	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.42	0.42	0.42	0.42	0.42	0.42	0.42
135	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.56	0.56	0.56	0.56	0.56	0.55	0.55
140	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.74	0.74	0.74	0.74	0.74	0.74	0.74
145	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.64	1.01	1.01	1.01	1.01	1.00	1.00	1.00
150	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	1.28	1.27	1.27	1.27	1.27	1.27	1.27
155	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.92	1.49	1.49	1.49	1.49	1.48	1.48	1.48
160	0.97	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.64	1.64	1.64	1.64	1.64	1.64	1.64
165	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.66	1.66	1.66	1.66	1.66	1.66	1.66
170	1.06	1.06	1.06	1.07	1.07	1.07	1.08	1.08	1.08	1.07	1.07	1.07	1.54	1.54	1.55	1.55	1.54	1.54	1.54
175	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.41	1.42	1.41	1.41	1.41	1.41	1.41
180	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.27	1.27	1.28	1.28	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.26

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 15 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 41.6%

Test Distance: 2.500m [K=1.0461]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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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	2251	2248	2251	2251	2251													
5	2132	2127	2125	2123	2120													
10	1815	1819	1818	1812	1812													
15	1415	1416	1424	1430	1426													
20	1098	1101	1111	1115	1116													
25	888	892	899	905	904													
30	747	749	757	758	761													
35	628	631	635	634	639													
40	515	519	521	521	523													
45	406	411	412	411	412													
50	310	313	314	314	315													
55	226	227	226	226	227													
60	157	157	157	157	157													
65	105	105	105	105	105													
70	66.4	66.6	66.7	66.4	66.8													
75	38.4	38.6	38.3	38.3	38.6													
80	20.2	20.3	20.1	20.2	20.3													
85	8.20	8.30	8.06	8.13	8.37													
90	0.06	0.06	0.06	0.06	0.06													
95	0.08	0.07	0.07	0.07	0.07													
100	0.10	0.10	0.10	0.10	0.10													
105	0.13	0.13	0.13	0.13	0.13													
110	0.16	0.16	0.16	0.15	0.15													
115	0.19	0.19	0.19	0.18	0.18													
120	0.24	0.24	0.23	0.23	0.23													
125	0.31	0.31	0.31	0.31	0.31													
130	0.42	0.42	0.42	0.41	0.41													
135	0.55	0.55	0.55	0.55	0.55													
140	0.74	0.74	0.74	0.73	0.74													
145	1.00	1.00	1.00	1.00	1.00													
150	1.27	1.27	1.27	1.27	1.27													
155	1.48	1.48	1.48	1.48	1.48													
160	1.64	1.65	1.65	1.64	1.64													
165	1.66	1.66	1.67	1.67	1.67													
170	1.54	1.55	1.55	1.56	1.56													
175	1.41	1.41	1.42	1.42	1.42													
180	1.26	1.27	1.27	1.28	1.28													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 15 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 41.6%

Test Distance: 2.500m [K=1.0461]

Remarks: