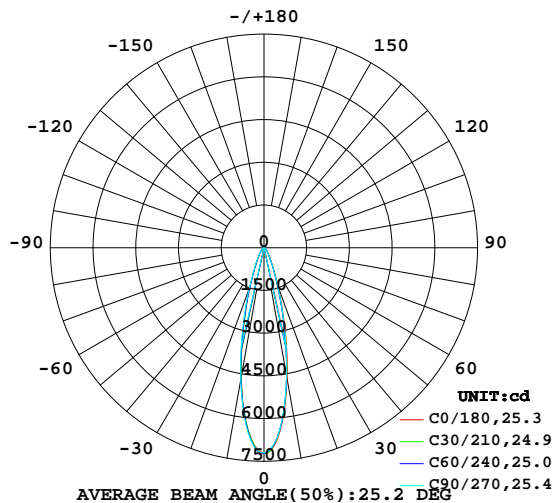


LUMINAIRE PHOTOMETRIC TEST REPORT

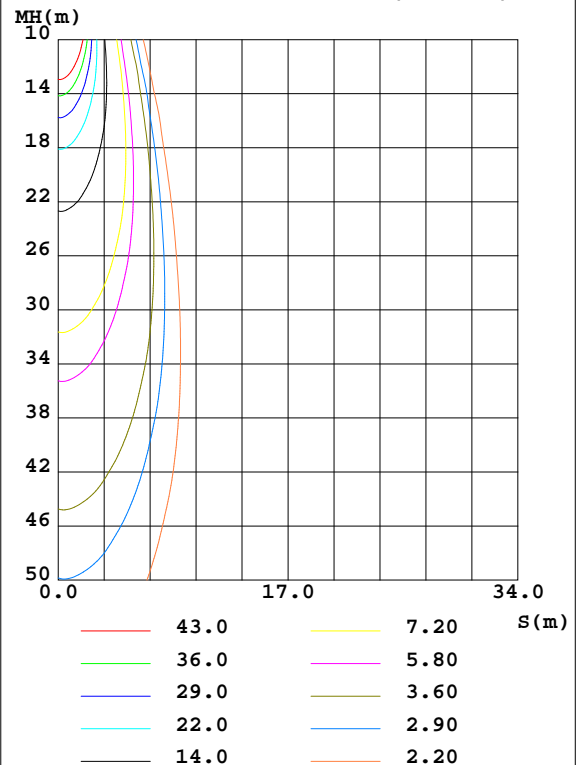
Test:U:120.0V I:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.82 lm/W			
MODEL	INDEP S030UNHD8SC2R6BZP	I _{max} (cd)	7234	S/MH(C0/180)	0.43
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2133.6	η UP,DN(C0-180)	0.0,49.0
NOMINAL FLUX(lm)	2133.64	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.9
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	4667	4572	4562	4617	4608	4631	4715	4758	0- 10	555.7	555.7	26,26
20	1454	1349	1381	1465	1421	1398	1490	1586	10- 20	763.4	1319	61.8,61.8
30	444.1	416.1	414.0	430.4	423.6	435.8	461.6	486.7	20- 30	364.0	1683	78.9,78.9
40	191.2	176.2	176.0	180.6	181.3	187.0	202.9	208.5	30- 40	178.9	1862	87.3,87.3
50	104.0	100.0	99.16	100.7	100.8	103.4	106.9	109.5	40- 50	106.8	1969	92.3,92.3
60	63.59	62.23	61.86	62.44	62.06	62.97	64.15	65.41	50- 60	72.24	2041	95.7,95.7
70	38.14	37.66	37.80	38.26	37.57	37.92	38.55	39.17	60- 70	49.41	2091	98,98
80	19.05	18.03	19.39	20.45	18.76	18.00	19.19	20.27	70- 80	29.79	2120	99.4,99.4
90	0.0690	0.0432	0.0423	0.0320	0.0396	0.0386	0.0600	0.1272	80- 90	10.23	2131	99.9,99.9
100	0.0301	0.0301	0.0295	0.0307	0.0552	0.0542	0.0539	0.0539	90-100	0.0401	2131	99.9,99.9
110	0.0437	0.0431	0.0447	0.0456	0.0697	0.0678	0.0672	0.0685	100-110	0.0520	2131	99.9,99.9
120	0.0732	0.0744	0.0765	0.0769	0.1037	0.0990	0.0974	0.0993	110-120	0.0679	2131	99.9,99.9
130	0.1642	0.1650	0.1717	0.1772	0.2549	0.2406	0.2410	0.2478	120-130	0.1194	2131	99.9,99.9
140	0.4881	0.4892	0.5018	0.5110	0.8573	0.8312	0.8304	0.8414	130-140	0.2993	2131	99.9,99.9
150	1.111	1.120	1.120	1.128	2.258	2.244	2.226	2.226	140-150	0.7202	2132	99.9,99.9
160	1.451	1.467	1.459	1.456	3.173	3.192	3.142	3.142	150-160	0.9509	2133	100,100
170	1.385	1.412	1.411	1.395	2.708	2.733	2.680	2.686	160-170	0.6422	2133	100,100
180	1.674	1.666	1.622	1.679	1.676	1.673	1.624	1.649	170-180	0.1772	2134	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1921.1 lm

%lum = 90.0%

%lamp = 90.0%

Conical surface Flux(120deg): 2041.1 lm

%lum = 95.7%

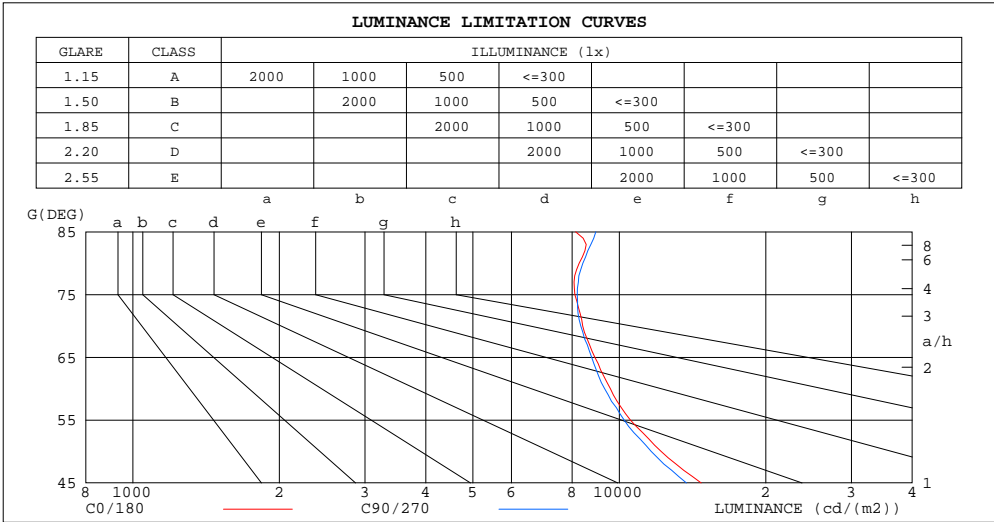
%lamp = 95.7%

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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	8135	8950
80	8269	8415
75	8103	8191
70	8405	8330
65	8904	8775
60	9586	9326
55	10537	10232
50	12191	11629
45	14730	13734

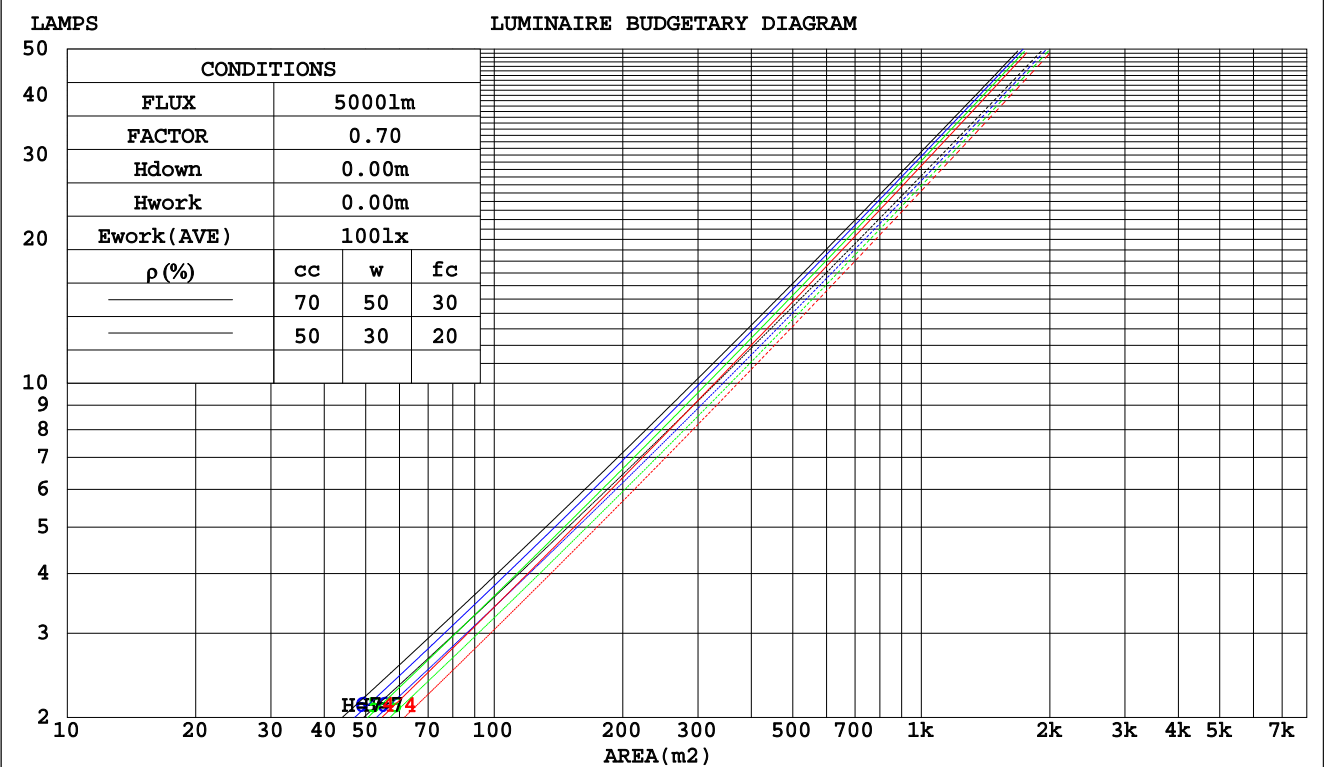
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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: 25.1DEG
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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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	.078	.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	.131	.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	.117	.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	.015	.105	.051	.014	.101	.050	.014	.097	.049	.014	.094	.048	.014		
10.0	.102	.049	.014	.100	.049	.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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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	16.5	17.3	16.7	17.5	17.7	16.3	17.1	16.5	17.3	17.4
3H	17.5	18.3	17.8	18.5	18.7	17.4	18.1	17.6	18.3	18.5
4H	18.0	18.8	18.3	19.0	19.2	17.9	18.6	18.1	18.8	19.1
6H	18.5	19.2	18.8	19.4	19.7	18.3	19.0	18.6	19.3	19.5
8H	18.7	19.3	19.0	19.6	19.9	18.5	19.2	18.8	19.5	19.7
12H	18.8	19.5	19.1	19.7	20.0	18.7	19.4	19.0	19.6	19.9
4H 2H	16.9	17.6	17.2	17.9	18.1	16.7	17.4	17.0	17.7	17.9
3H	18.1	18.8	18.5	19.1	19.4	18.0	18.7	18.3	18.9	19.2
4H	18.8	19.4	19.1	19.7	20.0	18.6	19.2	19.0	19.5	19.8
6H	19.3	19.9	19.7	20.2	20.6	19.2	19.8	19.6	20.1	20.5
8H	19.6	20.1	20.0	20.5	20.8	19.5	20.0	19.9	20.4	20.7
12H	19.8	20.3	20.2	20.6	21.0	19.7	20.2	20.1	20.6	20.9
8H 4H	19.0	19.5	19.4	19.8	20.2	18.9	19.4	19.3	19.7	20.1
6H	19.7	20.1	20.1	20.5	20.9	19.6	20.0	20.0	20.4	20.8
8H	20.1	20.5	20.5	20.9	21.3	20.0	20.3	20.4	20.7	21.2
12H	20.4	20.7	20.9	21.1	21.6	20.3	20.6	20.7	21.0	21.5
12H 4H	19.0	19.4	19.4	19.8	20.2	18.9	19.3	19.3	19.7	20.1
6H	19.8	20.1	20.2	20.6	21.0	19.7	20.0	20.1	20.4	20.9
8H	20.2	20.5	20.7	20.9	21.4	20.1	20.4	20.5	20.8	21.3
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, 2134 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)
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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

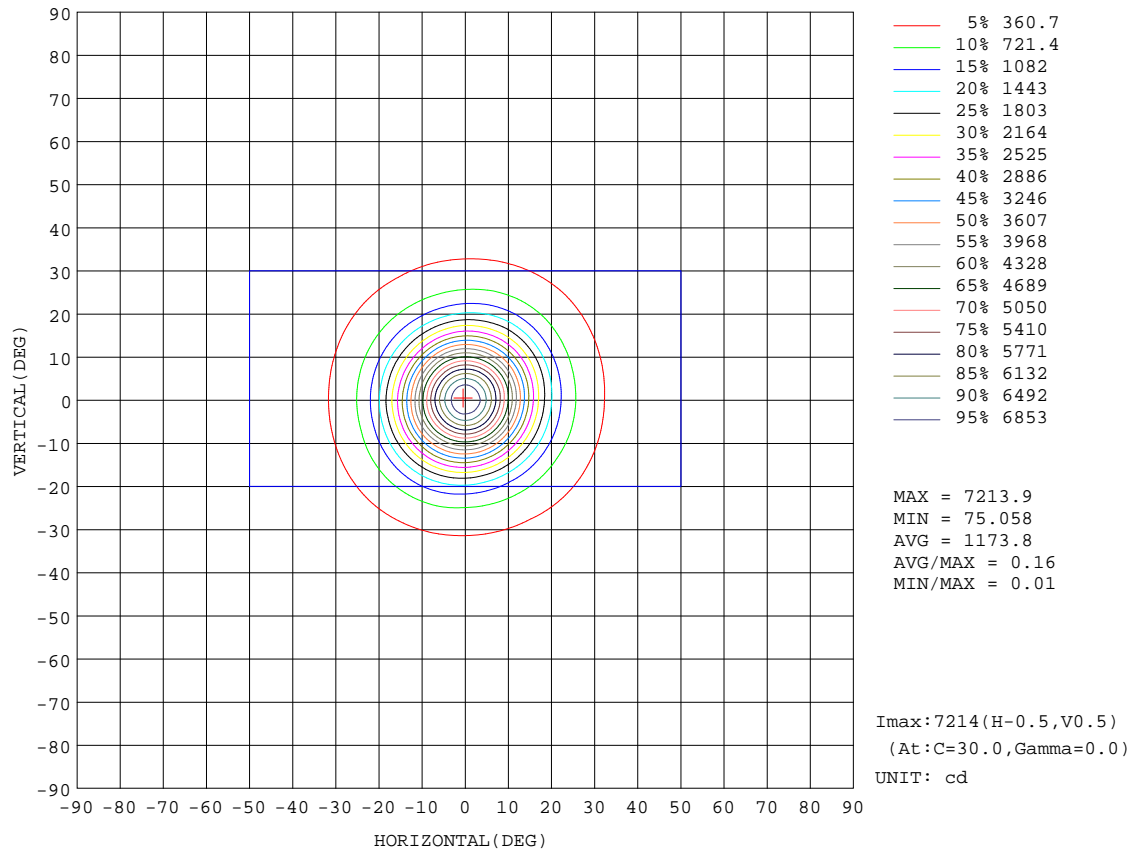
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	72	82	76	72	68
0.80	91	85	81	91	84	81	89	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	96
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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



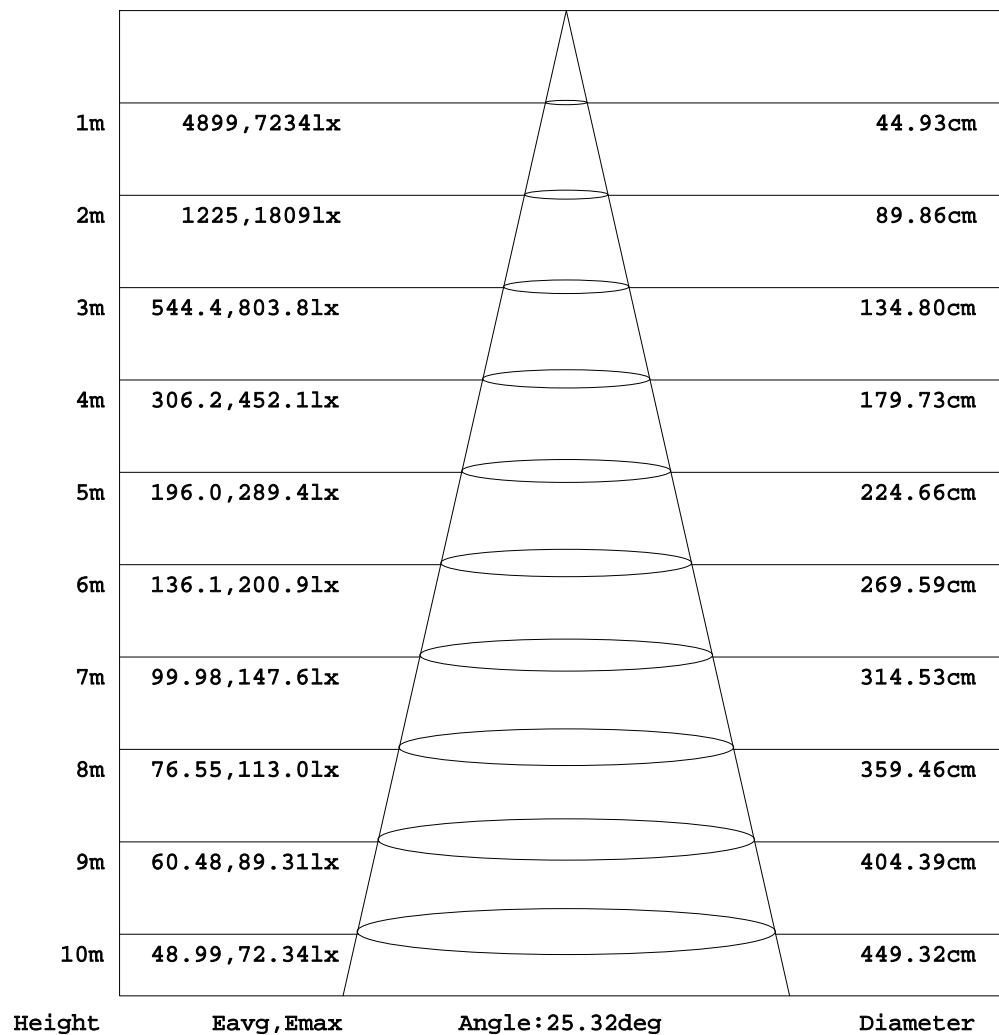
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:820.4 lm



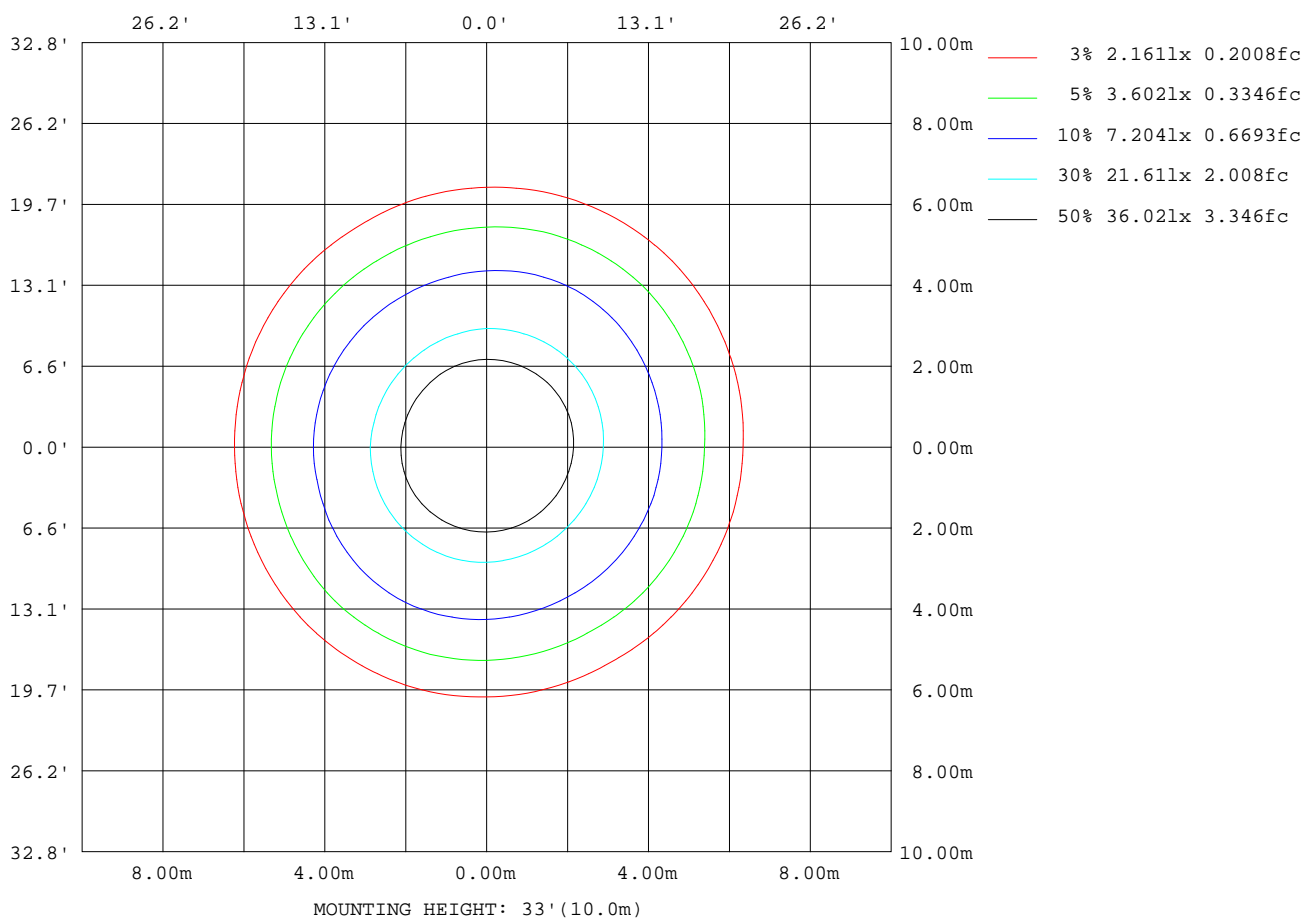
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

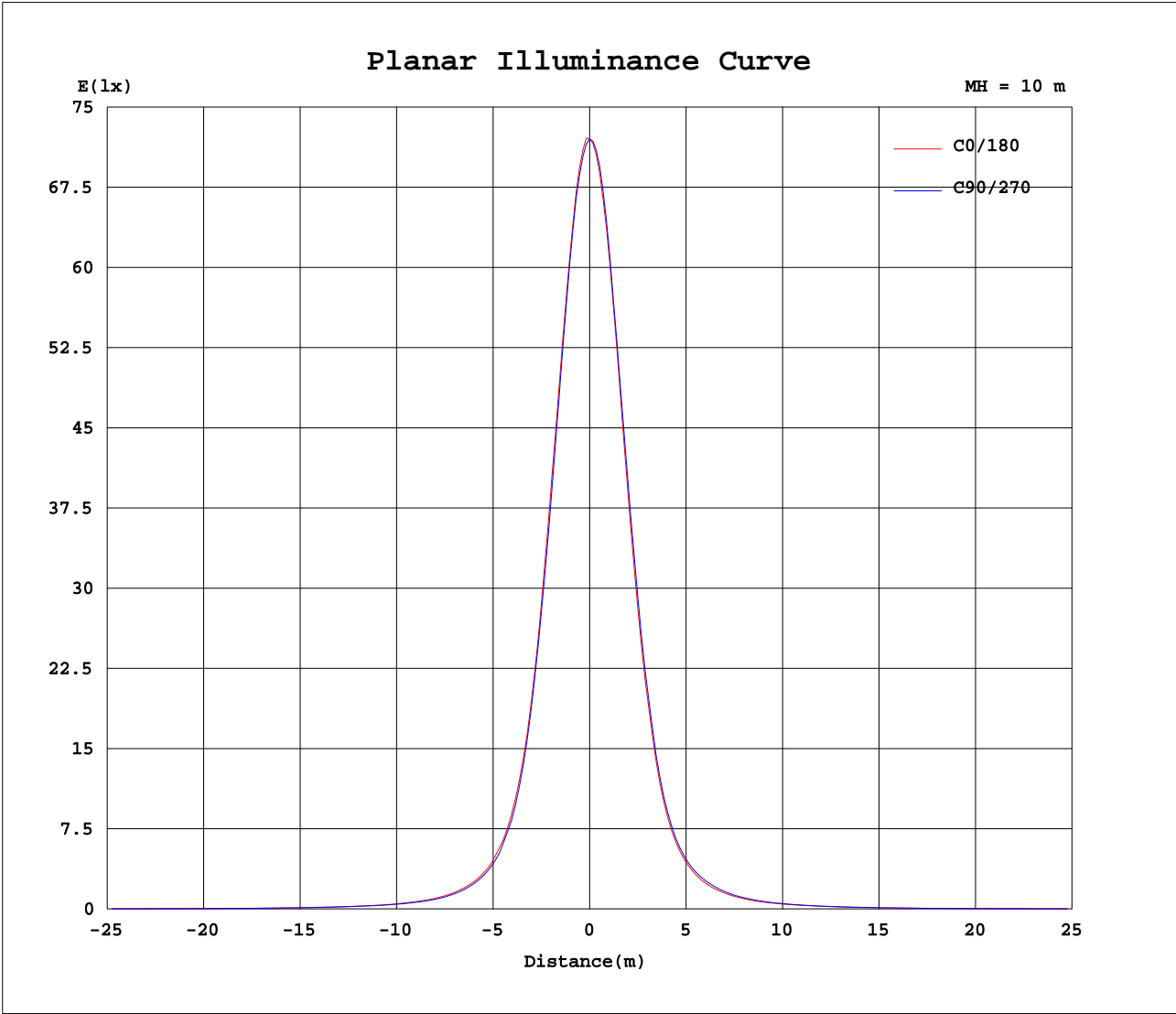
AvgL	cd/m2
L_0~180(65)av	8838
L_0~180(75)av	8071
L_0~180(85)av	7895
L_90~270(65)av	8882
L_90~270(75)av	8229
L_90~270(85)av	8837
L_45(65)av	8835
L_45(75)av	8142
L_45(85)av	8282

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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	7204	7223	7234	7233	7223	7203	7201	7200	7209	7224	7227	7232	7204	7223	7234	7233	7223	7203	7201
5	6458	6436	6420	6412	6405	6423	6405	6403	6404	6376	6390	6407	6436	6422	6431	6446	6455	6490	6504
10	4667	4628	4594	4572	4569	4559	4562	4575	4581	4617	4628	4635	4608	4611	4607	4631	4677	4694	4715
15	2783	2717	2664	2638	2639	2674	2711	2743	2769	2771	2778	2769	2756	2709	2696	2708	2743	2800	2856
20	1454	1413	1382	1349	1332	1340	1381	1427	1456	1465	1449	1431	1421	1414	1409	1398	1406	1433	1490
25	776	760	721	704	693	696	709	753	768	769	756	727	736	734	732	731	733	748	778
30	444	439	430	416	403	407	414	420	421	430	428	425	424	431	434	436	438	449	462
35	283	275	267	260	258	257	260	263	266	263	265	264	270	271	275	278	283	291	297
40	191	185	180	176	175	174	176	177	178	181	182	182	181	183	185	187	191	195	203
45	138	134	131	129	128	128	129	130	132	131	131	132	133	133	134	136	138	141	144
50	104	103	101	100	98.8	98.6	99.2	99.8	101	101	101	100	101	102	103	103	104	105	107
55	80.2	79.8	79.0	78.1	77.2	77.3	77.9	78.7	78.7	78.4	77.9	77.5	78.6	79.1	79.4	79.7	79.5	80.7	81.9
60	63.6	63.4	62.8	62.2	61.8	61.3	61.9	62.3	62.4	62.4	62.1	61.9	62.1	62.7	62.8	63.0	63.1	63.2	64.1
65	49.9	49.6	49.2	48.8	48.7	48.7	49.2	49.4	49.4	49.2	49.0	48.8	49.2	49.0	49.1	49.1	49.4	49.9	50.4
70	38.1	38.1	37.7	37.7	37.5	37.6	37.8	38.0	38.1	38.3	38.2	37.9	37.6	37.8	37.7	37.9	38.0	38.1	38.6
75	27.8	27.5	27.3	26.9	26.7	27.5	28.1	28.5	28.8	28.7	28.4	27.9	27.6	27.4	27.4	27.3	27.2	27.8	28.4
80	19.0	18.8	18.7	18.0	17.5	18.4	19.4	20.0	20.2	20.5	20.2	19.5	18.8	18.5	18.6	18.0	17.8	18.5	19.2
85	9.41	9.61	10.0	9.38	8.50	9.40	10.3	9.69	8.89	9.73	10.8	10.1	8.85	9.25	9.68	9.14	8.48	9.38	10.1
90	0.07	0.07	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.06
95	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.04	0.04	0.04
100	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.05	0.05	0.05	0.05	0.05	0.05
105	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06
110	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.07	0.07	0.07	0.07	0.07	0.07
115	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08
120	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.16	0.15	0.15	0.15	0.14	0.15	0.15
130	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.17	0.25	0.25	0.24	0.24	0.24	0.24	0.24
135	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.30	0.46	0.45	0.44	0.44	0.43	0.44	0.44
140	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.86	0.85	0.84	0.83	0.83	0.83	0.83
145	0.80	0.81	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.83	0.83	0.83	1.55	1.53	1.52	1.51	1.51	1.51	1.52
150	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	2.26	2.26	2.25	2.24	2.24	2.23	2.23
155	1.41	1.42	1.42	1.43	1.43	1.43	1.43	1.43	1.43	1.42	1.43	1.43	2.84	2.83	2.82	2.82	2.81	2.81	2.81
160	1.45	1.46	1.46	1.47	1.46	1.46	1.46	1.46	1.45	1.46	1.46	1.46	3.17	3.19	3.19	3.19	3.18	3.16	3.14
165	1.43	1.44	1.45	1.45	1.46	1.46	1.46	1.45	1.45	1.44	1.44	1.45	3.14	3.15	3.16	3.15	3.14	3.12	3.12
170	1.39	1.40	1.41	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.39	1.40	2.71	2.73	2.74	2.73	2.73	2.70	2.68
175	1.33	1.35	1.36	1.36	1.37	1.37	1.37	1.36	1.36	1.35	1.34	1.33	2.15	2.16	2.16	2.16	2.15	2.13	2.12
180	1.67	1.67	1.68	1.67	1.66	1.65	1.62	1.65	1.65	1.68	1.62	1.59	1.68	1.68	1.68	1.67	1.66	1.64	1.62

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:0.1285A P:15.37W PF:0.9965 Freq:60.00Hz Lamp Flux:2133.64x1 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	7200	7209	7224	7227	7232													
5	6504	6509	6476	6477	6468													
10	4730	4743	4758	4765	4743													
15	2893	2924	2928	2912	2862													
20	1547	1583	1586	1560	1513													
25	818	840	832	811	788													
30	476	482	487	478	466													
35	304	309	307	301	293													
40	206	208	209	206	199													
45	146	148	147	145	142													
50	109	109	109	108	107													
55	83.5	84.1	83.3	82.1	81.4													
60	65.0	65.6	65.4	64.9	64.3													
65	51.0	51.2	51.0	50.8	50.4													
70	38.9	39.0	39.2	39.2	38.9													
75	28.6	28.8	29.0	28.9	28.5													
80	19.6	19.7	20.3	20.2	19.8													
85	9.70	9.21	10.1	11.0	10.5													
90	0.08	0.10	0.13	0.13	0.13													
95	0.05	0.05	0.05	0.04	0.04													
100	0.05	0.05	0.05	0.05	0.05													
105	0.06	0.06	0.06	0.06	0.06													
110	0.07	0.07	0.07	0.07	0.07													
115	0.08	0.08	0.08	0.08	0.08													
120	0.10	0.10	0.10	0.10	0.10													
125	0.15	0.15	0.15	0.15	0.15													
130	0.24	0.25	0.25	0.25	0.25													
135	0.45	0.45	0.45	0.45	0.45													
140	0.84	0.84	0.84	0.85	0.84													
145	1.52	1.52	1.52	1.52	1.52													
150	2.22	2.23	2.23	2.24	2.24													
155	2.81	2.80	2.80	2.80	2.80													
160	3.14	3.14	3.14	3.16	3.17													
165	3.12	3.12	3.12	3.12	3.13													
170	2.66	2.67	2.69	2.71	2.73													
175	2.12	2.13	2.14	2.15	2.16													
180	1.63	1.63	1.65	1.67	1.68													

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: