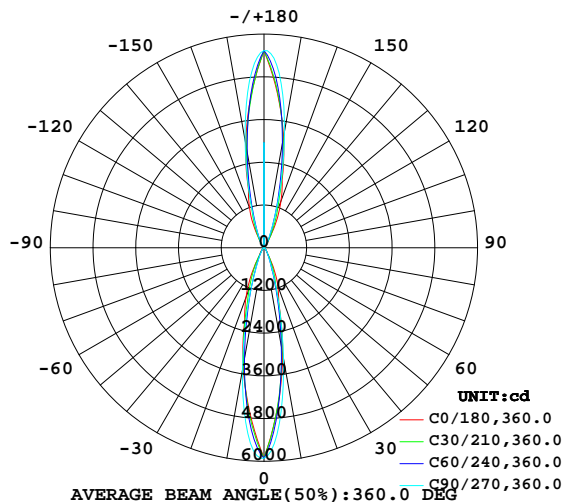


LUMINAIRE PHOTOMETRIC TEST REPORT

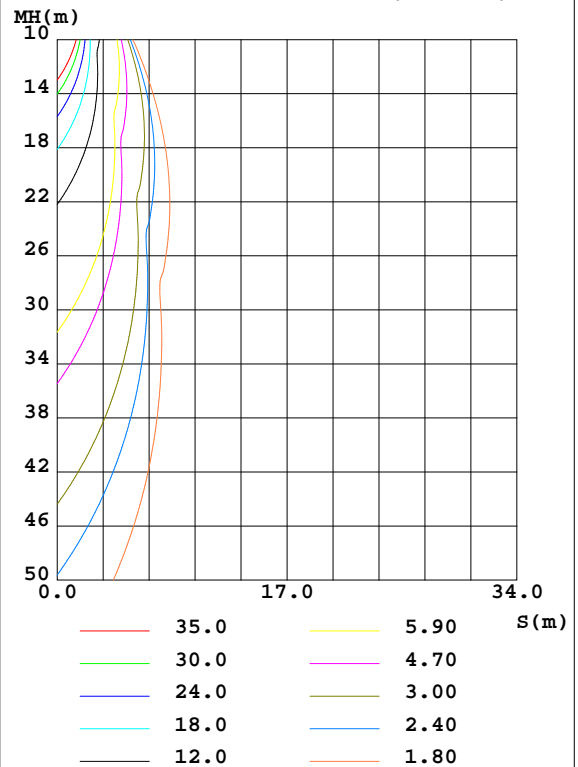
Test:U:120.0V I:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.63 lm/W			
MODEL	INDEPS020UNHD8SC2R4BZP	I _{max} (cd)	5914	S/MH(C0/180)	0.39
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2610.0	η UP,DN(C0-180)	25.3,24.4
NOMINAL FLUX(lm)	2610.02	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.1,26.1
LAMPS INSIDE	1	η up(%)	49.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	50.6	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: 25.0DEG
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	3036	2831	3164	2968	3368	3225	3487	3006	0- 10	395.4	395.4	15.1,15.1
20	1134	726.1	724.9	823.7	1482	966.0	797.1	738.2	10- 20	480.8	876.2	33.6,33.6
30	204.4	240.0	218.0	262.8	252.7	283.2	218.0	235.4	20- 30	236.7	1113	42.6,42.6
40	107.1	87.63	91.08	96.68	129.3	96.66	86.33	83.60	30- 40	95.62	1209	46.3,46.3
50	46.43	44.57	43.03	47.80	53.46	48.76	42.93	43.26	40- 50	51.59	1260	48.3,48.3
60	22.30	23.22	22.68	24.93	25.24	25.64	23.01	23.00	50- 60	30.12	1290	49.4,49.4
70	13.19	12.03	11.44	12.95	15.13	13.65	12.29	12.08	60- 70	17.66	1308	50.1,50.1
80	5.797	4.833	4.328	5.736	6.738	6.537	5.238	5.241	70- 80	9.524	1317	50.5,50.5
90	0.1211	0.1180	0.1401	0.0865	0.0628	0.1193	0.0501	0.1417	80- 90	2.829	1320	50.6,50.6
100	5.825	5.092	4.590	5.304	5.956	4.864	4.116	4.982	90-100	2.574	1323	50.7,50.7
110	13.77	12.22	11.76	12.30	13.33	11.69	11.09	12.10	100-110	8.935	1332	51,51
120	23.96	23.99	22.65	23.18	22.19	22.49	21.80	23.79	110-120	17.01	1349	51.7,51.7
130	51.80	46.17	41.54	42.78	43.92	42.13	40.61	46.15	120-130	28.95	1378	52.8,52.8
140	128.7	92.48	84.01	82.12	104.4	80.89	83.77	93.60	130-140	49.51	1427	54.7,54.7
150	254.8	274.2	217.4	244.7	203.5	233.8	210.7	273.3	140-150	93.53	1521	58.3,58.3
160	1401	889.7	803.2	818.8	1195	737.3	768.3	883.5	150-160	239.2	1760	67.4,67.4
170	3162	3022	3335	2933	2973	2746	3069	2873	160-170	475.1	2235	85.6,85.6
180	5538	5538	5538	5538	5538	5538	5538	5538	170-180	375.0	2610	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1238.4 lm

%lum = 47.4%

%lamp = 47.4%

Conical surface Flux(120deg): 1290.2 lm

%lum = 49.4%

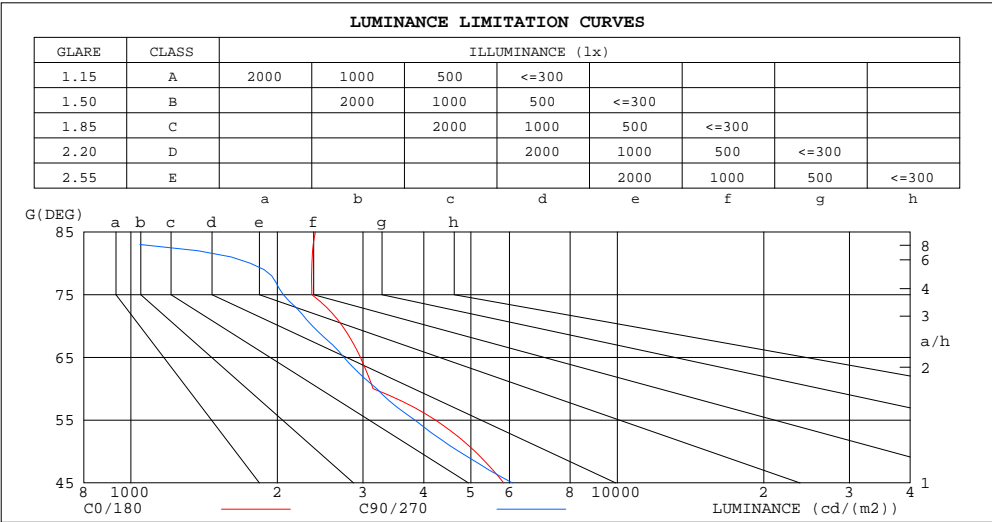
%lamp = 49.4%

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	2396	279
80	2356	1759
75	2355	2057
70	2722	2361
65	2963	2741
60	3148	3201
55	4229	3836
50	5098	4724
45	5839	6089

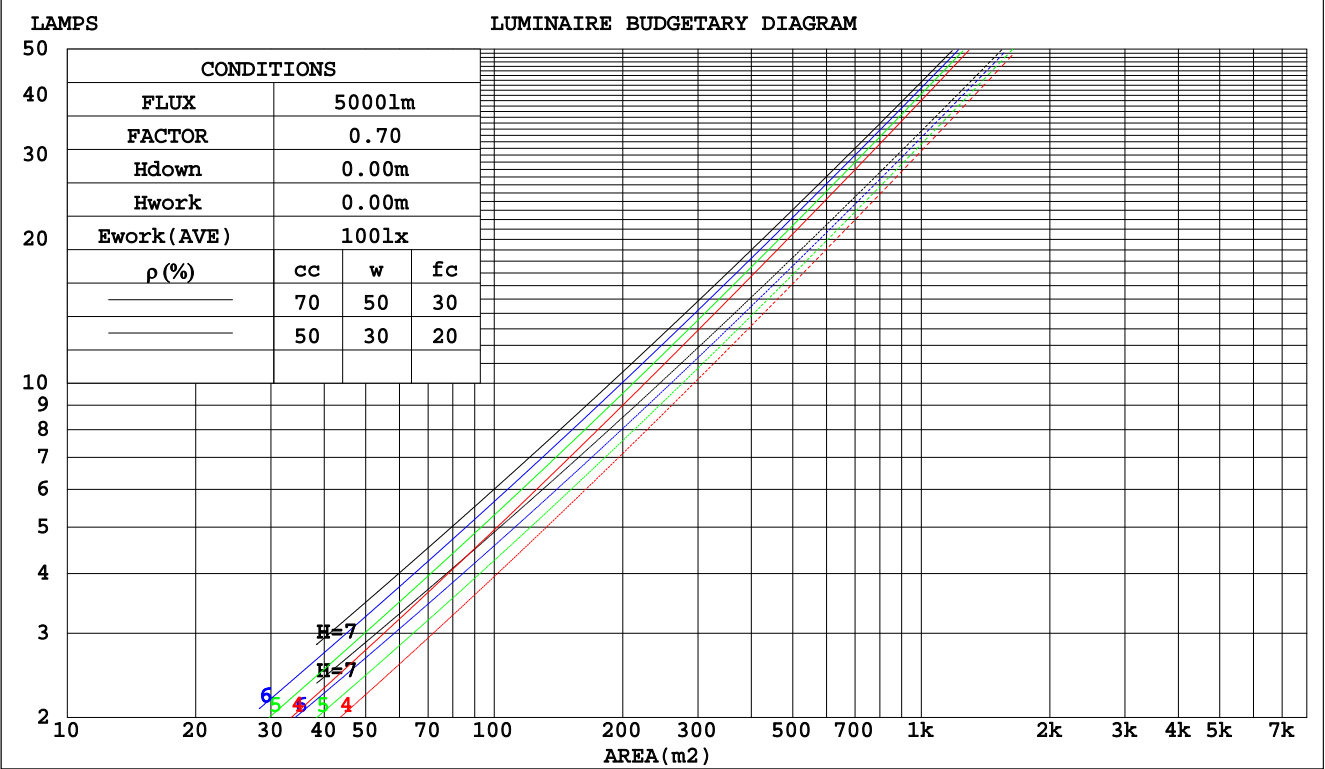
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:15 October 2024

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51	
1.0	.97	.94	.92	.90	.88	.86	.77	.76	.74	.65	.64	.63	.54	.54	.53	.48	
2.0	.89	.84	.80	.83	.79	.76	.72	.69	.67	.61	.60	.58	.52	.51	.50	.46	
3.0	.82	.76	.72	.76	.72	.68	.67	.64	.61	.58	.56	.54	.50	.48	.47	.43	
4.0	.75	.70	.65	.71	.66	.62	.63	.59	.56	.55	.52	.50	.47	.46	.45	.41	
5.0	.70	.64	.59	.66	.61	.57	.59	.55	.52	.52	.49	.47	.46	.44	.42	.40	
6.0	.65	.59	.55	.62	.57	.53	.56	.52	.49	.50	.47	.45	.44	.42	.41	.38	
7.0	.61	.55	.51	.58	.53	.49	.53	.49	.46	.47	.44	.42	.42	.40	.39	.37	
8.0	.58	.52	.48	.55	.50	.46	.50	.46	.43	.45	.42	.40	.41	.39	.37	.35	
9.0	.55	.49	.45	.52	.47	.44	.48	.44	.41	.43	.41	.39	.39	.37	.36	.34	
10.0	.52	.46	.43	.50	.45	.42	.46	.42	.39	.42	.39	.37	.38	.36	.35	.33	



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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	.208	.118	.037	.186	.106	.034	.146	.084	.027	.108	.062	.020	.074	.043	.014		
2.0	.193	.106	.032	.173	.095	.029	.136	.076	.024	.102	.057	.018	.071	.040	.013		
3.0	.179	.095	.028	.161	.086	.026	.128	.069	.021	.097	.053	.016	.068	.038	.012		
4.0	.166	.086	.025	.150	.079	.023	.120	.063	.019	.091	.049	.015	.065	.035	.011		
5.0	.155	.079	.023	.141	.072	.021	.112	.059	.017	.086	.046	.014	.062	.033	.010		
6.0	.146	.073	.021	.132	.067	.019	.106	.054	.016	.082	.043	.012	.059	.031	.009		
7.0	.137	.068	.019	.124	.062	.018	.100	.051	.015	.078	.040	.012	.057	.029	.009		
8.0	.129	.063	.018	.117	.058	.016	.095	.047	.014	.074	.037	.011	.054	.028	.008		
9.0	.122	.059	.016	.111	.054	.015	.090	.045	.013	.071	.035	.010	.052	.026	.008		
10.0	.115	.055	.015	.105	.051	.014	.086	.042	.012	.067	.033	.010	.050	.025	.007		

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	.567	.567	.567	.485	.485	.485	.331	.331	.331	.190	.190	.190	.061	.061	.061	
1.0	.553	.537	.522	.473	.461	.449	.324	.317	.311	.186	.183	.181	.060	.059	.058	
2.0	.541	.515	.492	.464	.443	.425	.318	.306	.297	.183	.178	.174	.059	.058	.057	
3.0	.531	.498	.471	.455	.430	.409	.313	.298	.287	.181	.174	.169	.058	.057	.055	
4.0	.522	.485	.457	.448	.419	.397	.308	.292	.279	.178	.171	.165	.057	.056	.054	
5.0	.515	.475	.446	.442	.411	.388	.304	.287	.274	.176	.169	.162	.057	.055	.054	
6.0	.508	.467	.437	.436	.404	.381	.301	.283	.269	.175	.166	.160	.056	.054	.053	
7.0	.501	.460	.431	.431	.399	.376	.298	.280	.266	.173	.165	.158	.056	.054	.052	
8.0	.496	.454	.426	.427	.394	.372	.295	.277	.264	.172	.163	.157	.056	.054	.052	
9.0	.491	.450	.422	.423	.390	.368	.293	.274	.261	.171	.162	.156	.055	.053	.052	
10.0	.486	.446	.419	.419	.387	.366	.291	.272	.260	.169	.161	.155	.055	.053	.051	

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	9.1	9.7	9.9	10.5	11.5	8.6	9.2	9.4	10.0	11.0
3H	9.5	10.2	10.4	11.0	12.0	9.0	9.6	9.8	10.4	11.4
4H	9.7	10.3	10.6	11.2	12.2	9.1	9.7	10.0	10.5	11.6
6H	9.9	10.4	10.8	11.3	12.4	9.2	9.7	10.1	10.6	11.7
8H	9.9	10.4	10.8	11.3	12.4	9.2	9.7	10.1	10.6	11.7
12H	10.0	10.4	10.9	11.3	12.5	9.1	9.6	10.0	10.5	11.6
4H 2H	9.0	9.6	9.9	10.4	11.5	8.6	9.1	9.4	10.0	11.0
3H	9.6	10.1	10.6	11.0	12.1	9.1	9.6	10.1	10.5	11.7
4H	9.9	10.4	10.9	11.3	12.4	9.4	9.8	10.3	10.7	11.9
6H	10.2	10.6	11.2	11.5	12.7	9.6	9.9	10.5	10.9	12.1
8H	10.3	10.6	11.3	11.6	12.8	9.5	9.9	10.5	10.8	12.1
12H	10.4	10.7	11.4	11.6	12.9	9.5	9.8	10.5	10.8	12.0
8H 4H	9.9	10.2	10.8	11.2	12.4	9.4	9.7	10.4	10.7	11.9
6H	10.2	10.5	11.2	11.5	12.8	9.6	9.9	10.6	10.9	12.1
8H	10.4	10.7	11.4	11.7	12.9	9.6	9.9	10.7	10.9	12.2
12H	10.6	10.8	11.6	11.8	13.1	9.6	9.8	10.6	10.8	12.1
12H 4H	9.8	10.1	10.8	11.1	12.3	9.3	9.6	10.3	10.6	11.8
6H	10.2	10.4	11.2	11.4	12.7	9.6	9.8	10.6	10.8	12.1
8H	10.4	10.6	11.4	11.6	12.9	9.6	9.8	10.7	10.9	12.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9				
1.5H	+ 1.4 / - 0.5					+ 1.2 / - 0.6				
2.0H	+ 0.9 / - 0.9					+ 1.3 / - 0.8				

CIE Pub.117, 2610 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.3$)
Area: 0.0141692 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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

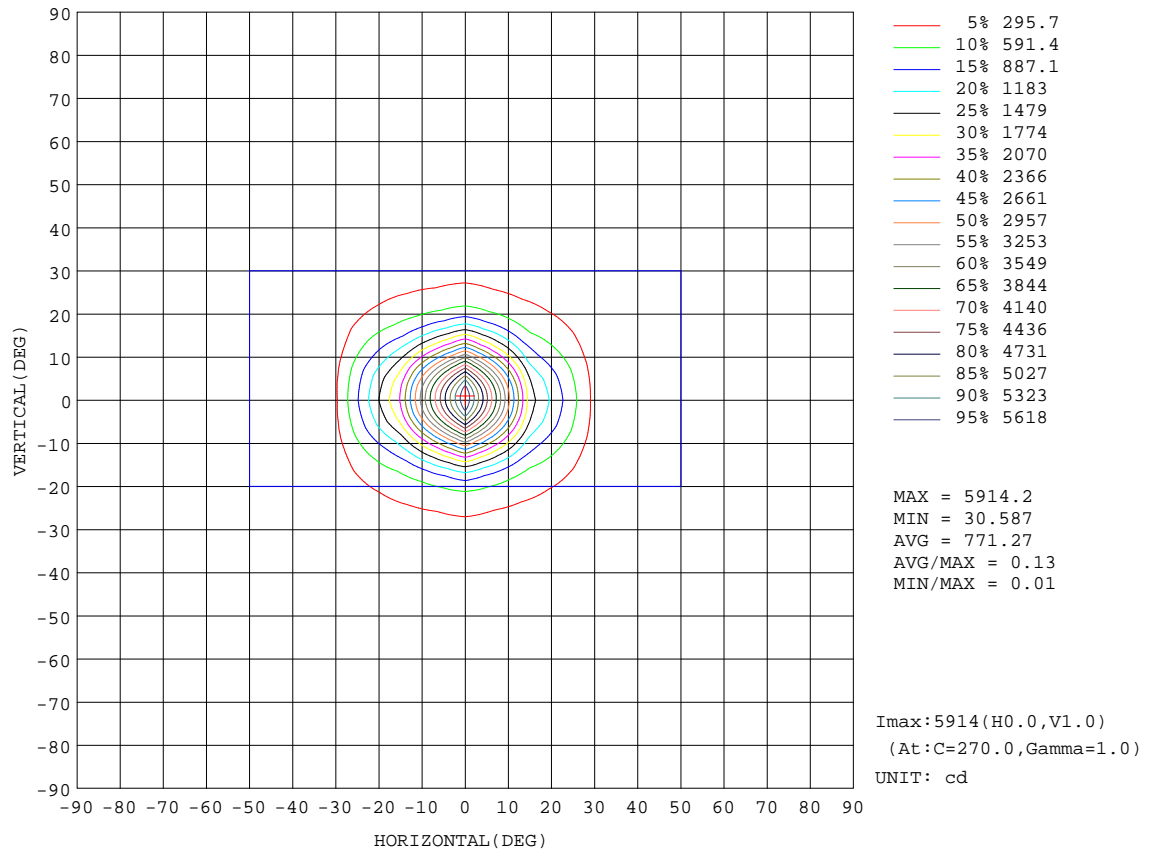
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	51	46	57	49	45	52	46	43	36
0.80	67	59	54	64	57	52	58	53	49	40
1.00	73	65	59	69	62	57	62	57	53	42
1.25	79	70	65	74	67	62	66	61	57	44
1.50	83	75	69	77	71	66	68	64	61	46
2.00	88	81	76	82	76	72	71	68	65	47
2.50	91	85	80	85	80	76	73	70	67	47
3.00	94	88	84	87	82	79	75	72	70	48
4.00	97	92	89	90	86	83	77	75	73	49
5.00	99	95	92	92	89	86	79	77	75	50
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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

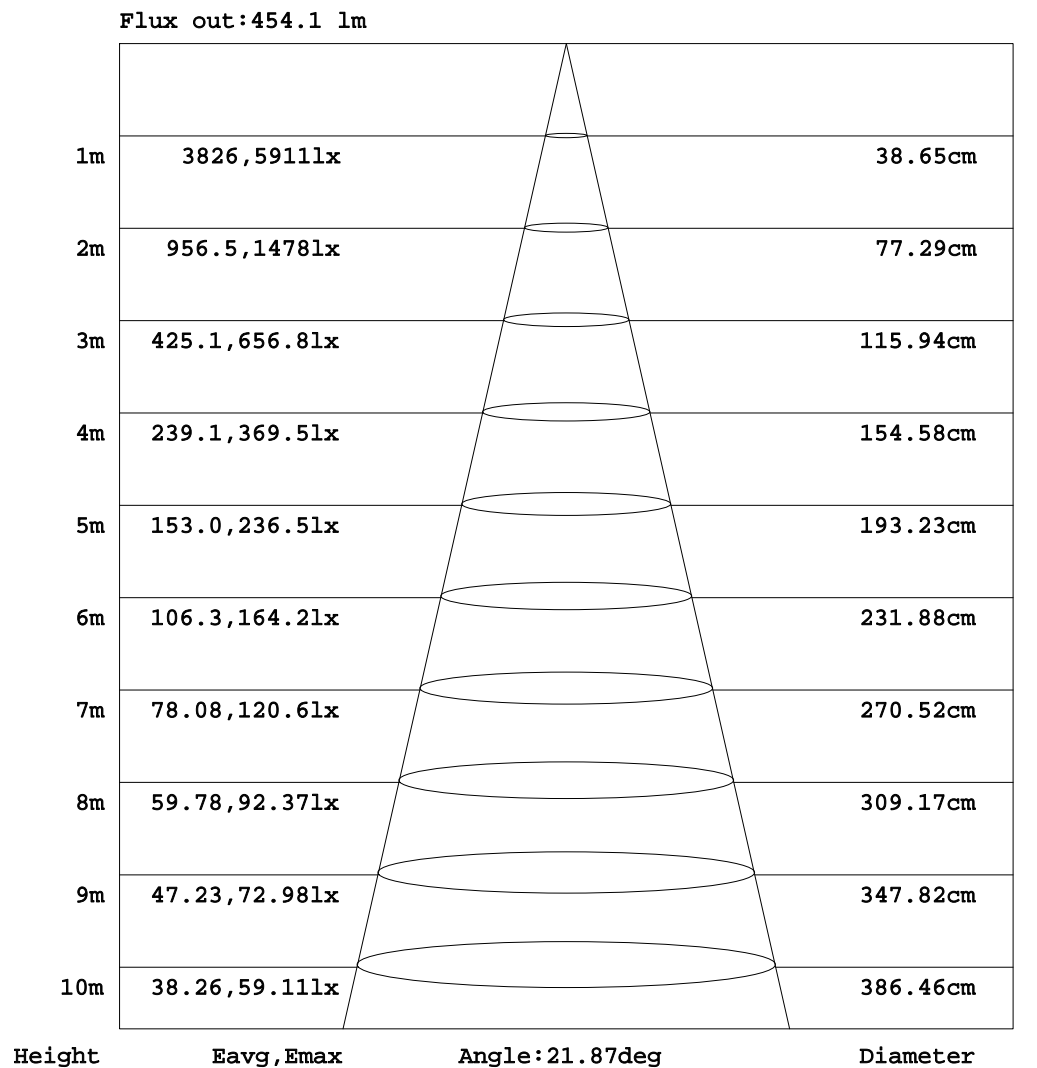


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



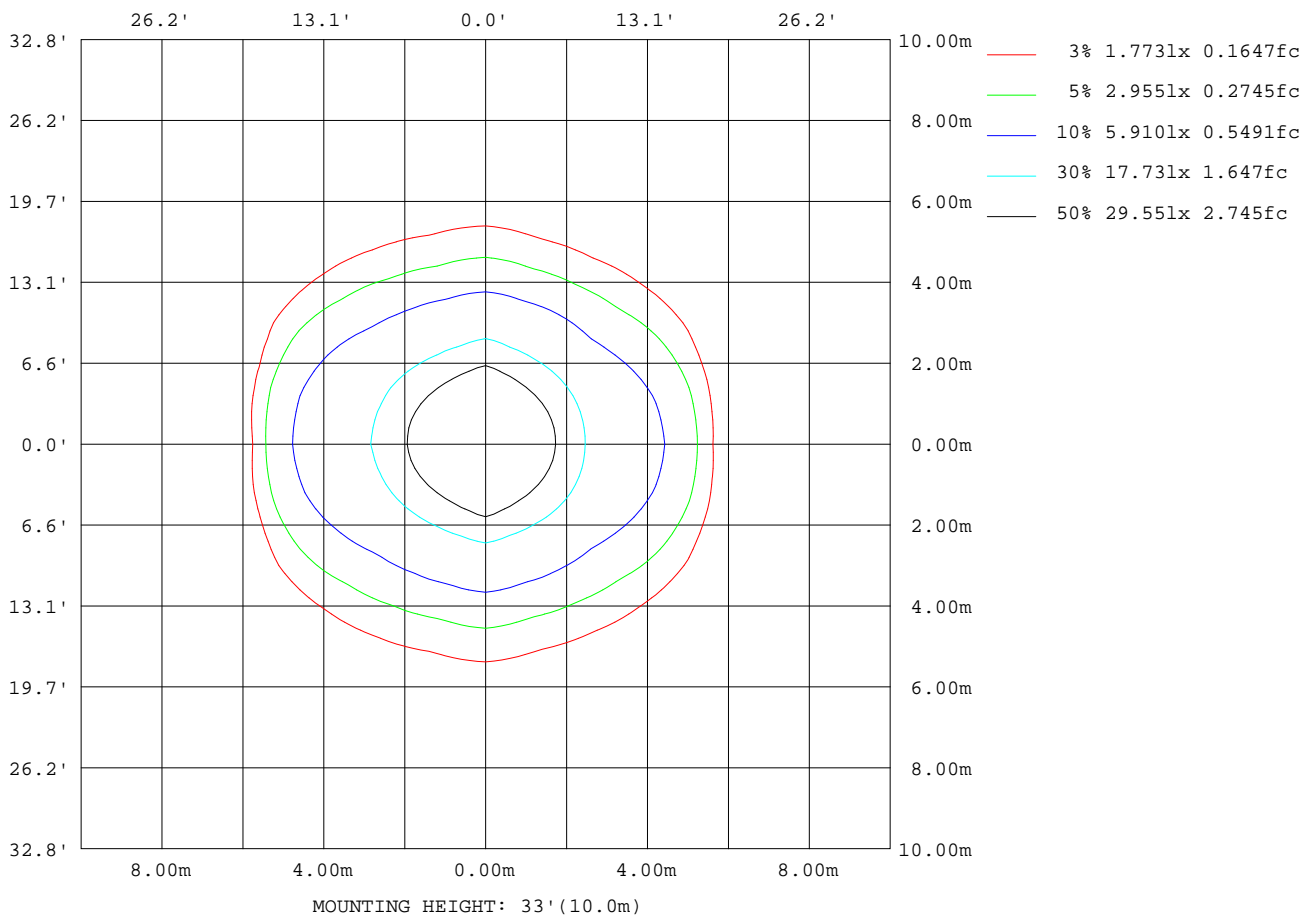
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

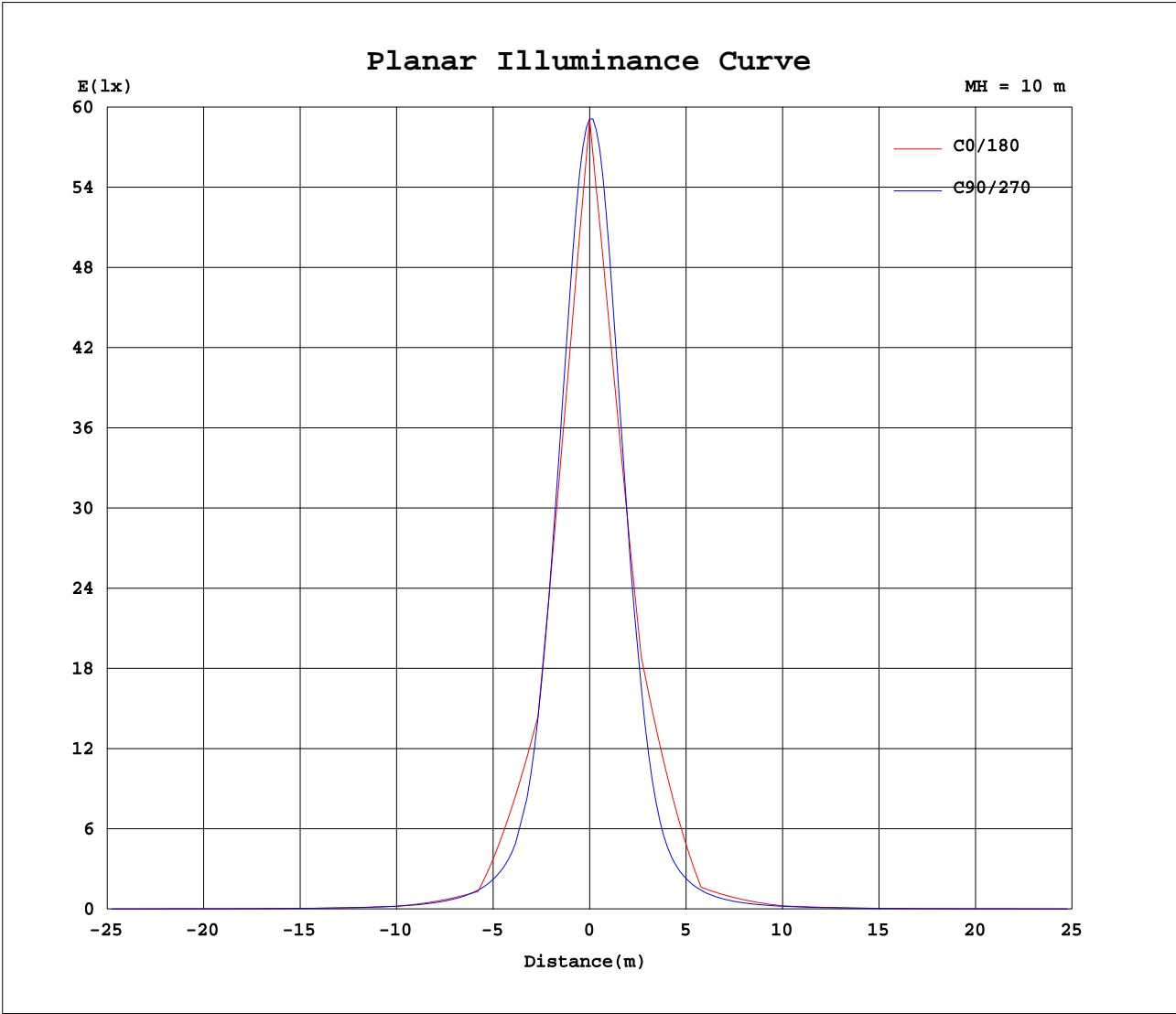
AvgL	cd/m2
L_0~180(65)av	3167
L_0~180(75)av	2551
L_0~180(85)av	2575
L_90~270(65)av	2802
L_90~270(75)av	2174
L_90~270(85)av	556
L_45(65)av	2951
L_45(75)av	2454
L_45(85)av	2291

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910	5910
5	4473	4448	4439	4462	4539	4695	4952	4727	4605	4561	4568	4601	4639	4669	4701	4749	4837	4992	5238
10	3036	2986	2908	2831	2806	2896	3164	2930	2882	2968	3121	3273	3368	3375	3311	3225	3171	3234	3487
15	1599	1609	1601	1532	1446	1438	1583	1462	1507	1651	1838	2005	2096	2098	2041	1878	1722	1698	1847
20	1134	1057	882	726	679	662	725	676	716	824	1042	1326	1482	1417	1206	966	831	754	797
25	669	628	517	407	356	339	368	348	380	452	598	772	867	842	693	516	414	367	384
30	204	251	270	240	217	203	218	210	232	263	309	299	253	318	343	283	240	211	218
35	156	152	137	143	137	130	138	135	146	157	155	177	191	185	160	161	146	132	133
40	107	107	99.3	87.6	89.4	86.7	91.1	89.4	94.7	96.7	111	123	129	127	114	96.7	94.5	87.4	86.3
45	58.5	63.3	67.5	63.1	60.2	59.8	61.0	61.9	63.9	68.1	74.4	71.6	67.6	73.2	76.1	69.2	63.9	61.2	60.1
50	46.4	45.7	43.3	44.6	42.4	41.9	43.0	43.5	45.3	47.8	47.1	51.2	53.5	52.0	48.4	48.8	45.4	43.4	42.9
55	34.4	34.3	33.2	30.6	30.9	30.2	31.2	31.2	32.9	32.8	36.2	38.2	39.4	38.8	37.2	33.6	33.3	31.5	31.2
60	22.3	23.1	24.0	23.2	22.5	21.9	22.7	22.6	23.8	24.9	26.3	25.6	25.2	26.0	27.1	25.6	24.5	23.2	23.0
65	17.7	17.6	16.7	16.9	16.4	16.1	16.4	16.6	17.3	18.1	18.6	19.4	20.2	19.8	19.3	18.8	18.1	17.1	17.1
70	13.2	13.2	12.6	12.0	12.0	11.5	11.4	11.7	12.5	12.9	14.0	14.6	15.1	15.0	14.8	13.7	13.2	12.1	12.3
75	8.63	8.80	8.52	8.27	8.20	7.80	7.54	7.85	8.49	9.18	9.54	9.79	10.1	10.3	10.5	10.0	9.23	8.08	8.40
80	5.80	5.80	5.34	4.83	4.49	4.31	4.33	4.72	5.11	5.74	6.01	6.43	6.74	6.76	6.77	6.54	5.68	4.31	5.24
85	2.96	2.95	2.71	2.46	1.77	0.71	0.34	0.95	2.33	2.90	3.03	3.24	3.40	3.42	3.42	3.30	2.64	0.70	1.03
90	0.12	0.11	0.10	0.12	0.14	0.14	0.14	0.13	0.11	0.09	0.07	0.06	0.06	0.07	0.09	0.12	0.16	0.20	0.05
95	2.97	2.86	2.73	2.59	2.29	1.06	0.72	1.12	2.20	2.67	2.91	3.02	3.01	2.87	2.65	2.47	2.00	0.90	0.47
100	5.82	5.62	5.38	5.09	4.93	4.67	4.59	4.94	5.00	5.30	5.77	5.99	5.96	5.68	5.24	4.86	4.47	4.33	4.12
105	8.68	8.59	8.67	8.49	8.13	7.84	7.79	8.21	8.52	8.68	9.02	9.07	8.90	8.64	8.37	8.13	7.61	7.33	7.22
110	13.8	13.4	13.0	12.2	12.1	11.7	11.8	12.0	12.3	12.3	12.9	13.3	13.3	12.8	12.4	11.7	11.4	11.1	11.1
115	18.9	18.3	17.6	17.3	16.8	16.5	16.6	16.6	16.7	17.1	16.9	17.5	17.8	17.1	16.4	16.4	16.1	15.8	16.0
120	24.0	24.5	25.2	24.0	23.2	22.4	22.6	22.3	22.7	23.2	23.6	22.7	22.2	22.3	23.1	22.5	22.0	21.4	21.8
125	37.9	36.9	34.8	31.6	31.6	30.4	30.6	29.8	30.6	30.1	32.1	32.8	33.1	32.2	31.5	29.4	29.8	29.1	29.6
130	51.8	49.7	45.4	46.2	43.4	41.8	41.5	40.5	41.0	42.8	41.2	43.2	43.9	42.4	40.4	42.1	40.4	40.0	40.6
135	65.7	70.1	72.3	65.8	61.0	59.1	58.1	56.8	57.2	59.6	63.8	59.9	54.8	58.6	62.3	58.8	56.5	56.2	57.2
140	129	123	109	92.5	90.7	84.2	84.0	81.1	84.2	82.1	94.4	103	104	100	91.7	80.9	82.5	79.7	83.8
145	192	179	154	156	142	128	130	123	130	138	131	149	154	144	127	135	127	120	127
150	255	304	322	274	236	208	217	199	213	245	284	256	204	245	264	234	207	195	211
155	828	781	637	487	407	367	385	353	374	442	571	677	699	637	519	408	356	342	374
160	1401	1324	1100	890	801	749	803	733	765	819	983	1148	1195	1086	894	737	700	693	768
165	1974	1967	1883	1754	1643	1646	1808	1628	1600	1669	1728	1726	1691	1656	1602	1521	1449	1457	1616
170	3162	3145	3103	3022	2993	3077	3335	3053	2940	2933	2968	2986	2973	2910	2826	2746	2722	2812	3069
175	4350	4367	4391	4444	4534	4685	4919	4665	4493	4385	4319	4281	4255	4228	4217	4239	4311	4459	4697
180	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538	5538

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:0.1571A P:18.56W PF:0.9843 Freq:60.00Hz Lamp Flux:2610.02x1 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	5910	5910	5910	5910	5910													
5	4950	4756	4632	4554	4506													
10	3166	3029	3006	3032	3048													
15	1640	1582	1621	1646	1624													
20	721	735	738	878	1060													
25	349	360	405	513	626													
30	200	211	235	265	245													
35	125	131	138	132	146													
40	82.6	85.5	83.6	95.0	103													
45	58.8	58.4	60.7	64.6	61.6													
50	41.9	42.1	43.3	41.9	44.6													
55	30.5	31.1	30.1	32.4	33.5													
60	22.7	22.9	23.0	23.6	22.7													
65	17.2	16.8	16.9	16.7	17.3													
70	12.9	12.5	12.1	12.6	13.0													
75	9.40	8.78	8.53	8.70	8.65													
80	6.51	5.53	5.24	5.53	5.70													
85	3.19	2.72	2.67	2.82	2.91													
90	0.19	0.17	0.14	0.12	0.11													
95	0.81	2.07	2.54	2.77	2.97													
100	4.27	4.67	4.98	5.44	5.83													
105	7.43	7.95	8.38	8.72	8.88													
110	11.2	11.8	12.1	13.0	13.7													
115	16.0	16.5	17.2	17.5	18.5													
120	21.6	22.6	23.8	25.2	24.6													
125	29.5	30.9	31.5	35.0	37.1													
130	40.6	42.5	46.1	45.8	50.0													
135	58.3	60.8	66.3	73.2	70.9													
140	83.6	90.0	93.6	111	125													
145	126	141	156	157	182													
150	205	233	273	325	307													
155	357	399	487	637	774													
160	717	765	883	1091	1304													
165	1495	1534	1674	1832	1934													
170	2852	2804	2873	2992	3096													
175	4484	4359	4307	4300	4321													
180	5538	5538	5538	5538	5538													

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: