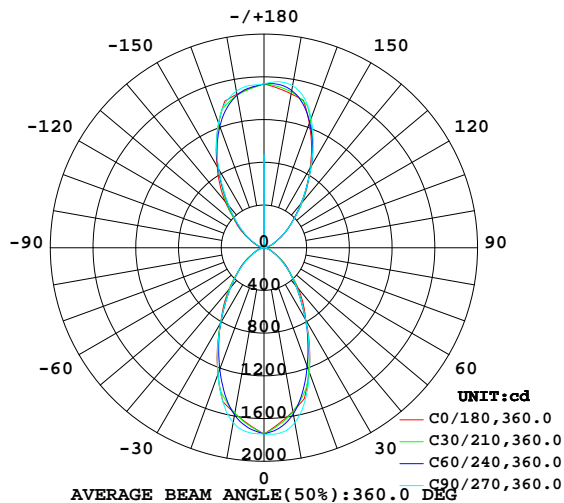


LUMINAIRE PHOTOMETRIC TEST REPORT

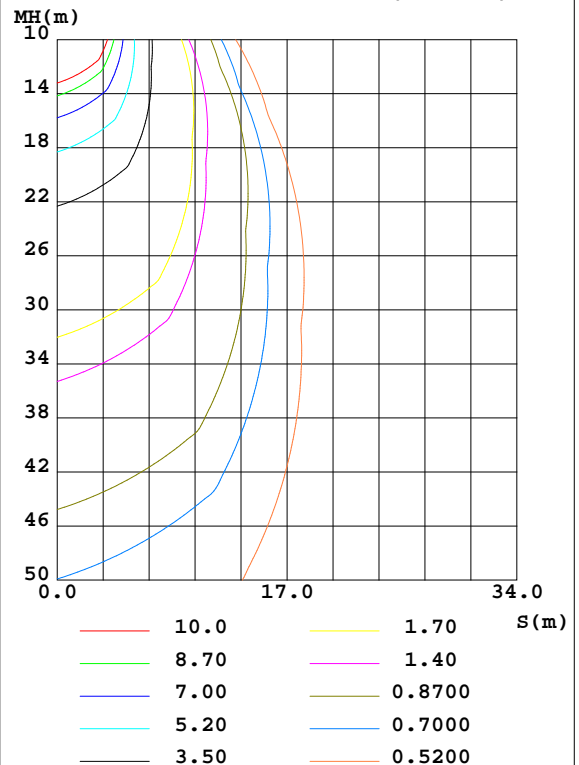
Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.02 lm/W			
MODEL	INDEP S030UNHD8SC2R6BZP	I _{max} (cd)	1749	S/MH(C0/180)	0.85
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.85
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	4110.0	η UP,DN(C0-180)	26.1,24.1
NOMINAL FLUX(lm)	4110	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.2,24.6
LAMPS INSIDE	1	η up(%)	51.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	48.7	CIBSE SHR MAX	0.90

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: 17 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
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	1556	1564	1663	1583	1575	1576	1662	1568	0- 10	157.7	157.7	3.84,3.84
20	1235	1214	1244	1253	1261	1248	1259	1239	10- 20	399.7	557.4	13.6,13.6
30	781.4	781.0	779.9	805.7	802.8	814.1	811.4	805.0	20- 30	460.3	1018	24.8,24.8
40	499.6	467.5	466.5	480.4	512.9	491.0	489.5	484.7	30- 40	391.8	1409	34.3,34.3
50	280.7	265.8	261.4	269.9	288.8	281.2	275.6	271.6	40- 50	285.8	1695	41.2,41.2
60	124.6	131.1	123.5	133.0	130.3	141.3	131.5	133.5	50- 60	176.2	1871	45.5,45.5
70	60.35	52.28	50.18	53.91	63.60	58.03	53.82	53.76	60- 70	88.23	1960	47.7,47.7
80	18.87	13.77	13.63	15.61	20.21	16.13	14.85	14.89	70- 80	34.89	1995	48.5,48.5
90	0.1459	0.2323	0.3128	0.1995	0.1294	0.1513	0.1364	0.1440	80- 90	7.909	2002	48.7,48.7
100	22.16	18.29	17.95	18.27	22.70	17.57	15.08	15.62	90-100	8.963	2011	48.9,48.9
110	69.86	63.71	63.10	65.65	71.35	60.99	55.52	59.18	100-110	39.93	2051	49.9,49.9
120	143.2	155.0	152.1	159.0	146.1	149.1	137.4	146.6	110-120	100.3	2152	52.4,52.4
130	314.8	309.6	311.3	313.4	320.9	298.0	288.7	291.7	120-130	197.9	2350	57.2,57.2
140	555.4	543.2	543.8	542.4	564.6	525.1	511.1	508.8	130-140	316.6	2666	64.9,64.9
150	865.1	881.3	884.9	880.6	877.1	854.2	846.7	836.2	140-150	429.4	3096	75.3,75.3
160	1241	1289	1290	1282	1240	1245	1249	1237	150-160	482.6	3578	87.1,87.1
170	1464	1486	1541	1479	1460	1448	1491	1447	160-170	388.5	3967	96.5,96.5
180	1535	1535	1535	1535	1535	1535	1535	1535	170-180	143.3	4110	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1566.8 lm

%lum = 38.1%

%lamp = 38.1%

Conical surface Flux(120deg): 1871.4 lm

%lum = 45.5%

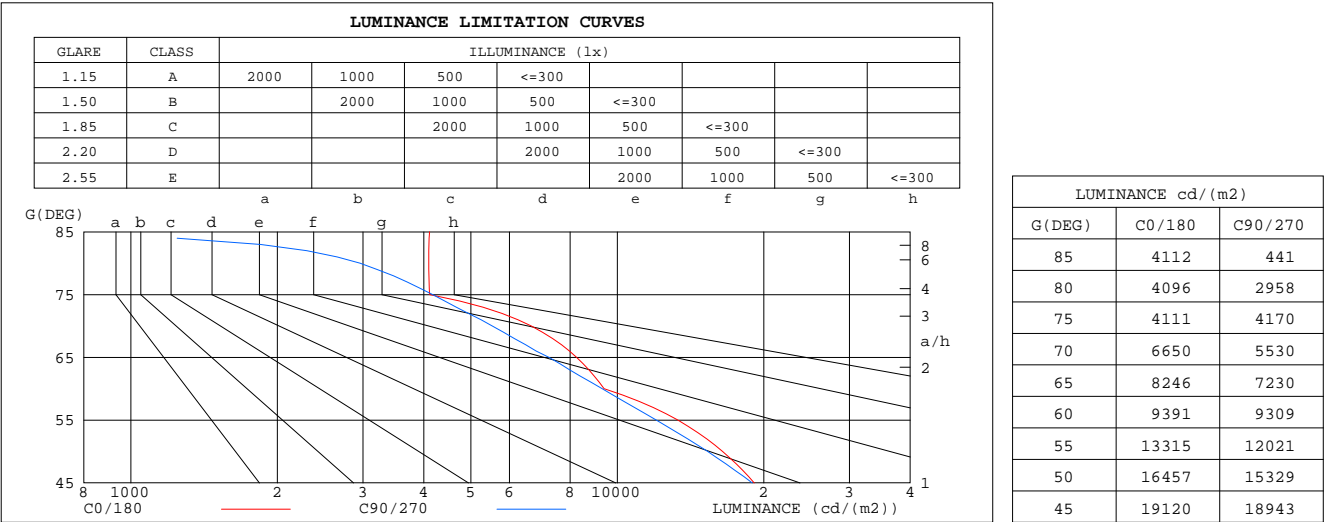
%lamp = 45.5%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



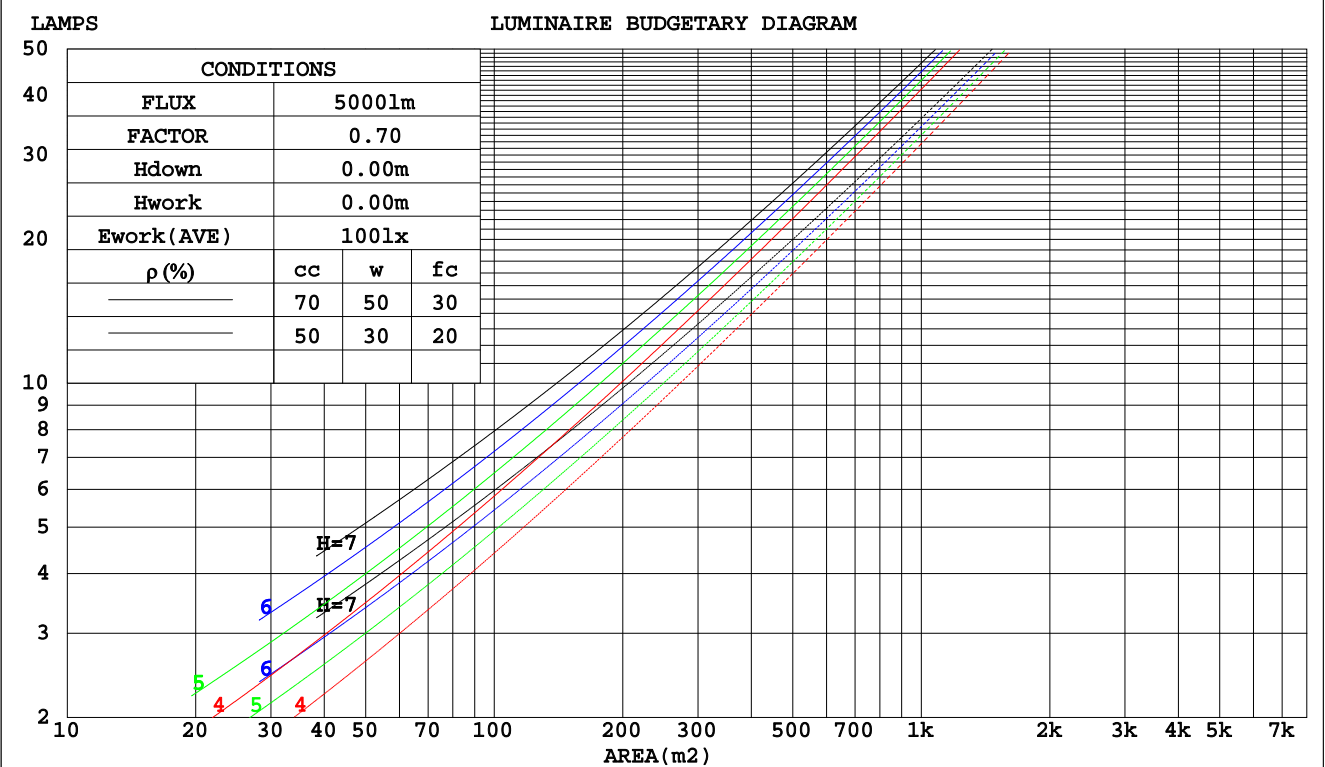
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:17 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance:2.500m [K=1.0461]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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	1.07	1.07	1.07	.98	.98	.98	.83	.83	.83	.68	.68	.68	.55	.55	.55	.49
1.0	.95	.92	.89	.88	.85	.83	.75	.73	.71	.62	.61	.60	.51	.50	.49	.44
2.0	.85	.80	.75	.79	.74	.70	.67	.64	.61	.56	.54	.52	.47	.45	.44	.39
3.0	.76	.70	.64	.71	.65	.61	.61	.57	.53	.51	.48	.46	.43	.41	.39	.35
4.0	.68	.61	.56	.64	.58	.53	.55	.51	.47	.47	.44	.41	.39	.37	.35	.32
5.0	.62	.55	.49	.58	.52	.47	.50	.45	.42	.43	.40	.37	.36	.34	.32	.29
6.0	.56	.49	.44	.53	.46	.42	.46	.41	.37	.40	.36	.33	.34	.31	.29	.26
7.0	.52	.44	.39	.48	.42	.37	.42	.37	.34	.37	.33	.30	.31	.29	.27	.24
8.0	.47	.40	.35	.45	.38	.34	.39	.34	.31	.34	.30	.28	.29	.27	.24	.22
9.0	.44	.37	.32	.41	.35	.31	.36	.31	.28	.32	.28	.25	.27	.25	.23	.21
10.0	.40	.34	.29	.38	.32	.28	.34	.29	.26	.30	.26	.23	.26	.23	.21	.19



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:17 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance:2.500m [K=1.0461]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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	.241	.137	.043	.218	.125	.040	.177	.101	.032	.138	.080	.026	.103	.059	.019	
2.0	.226	.124	.038	.206	.113	.035	.168	.093	.029	.133	.075	.023	.100	.057	.018	
3.0	.211	.113	.034	.193	.103	.031	.158	.086	.026	.126	.069	.021	.096	.053	.017	
4.0	.198	.103	.030	.181	.095	.028	.149	.079	.024	.119	.064	.019	.092	.050	.015	
5.0	.185	.094	.027	.169	.087	.025	.140	.073	.021	.113	.059	.018	.087	.047	.014	
6.0	.173	.087	.025	.159	.080	.023	.132	.068	.020	.107	.055	.016	.083	.044	.013	
7.0	.163	.081	.023	.150	.075	.021	.125	.063	.018	.101	.052	.015	.079	.041	.012	
8.0	.153	.075	.021	.141	.070	.020	.118	.059	.017	.096	.049	.014	.075	.039	.011	
9.0	.145	.070	.020	.133	.065	.018	.112	.055	.016	.091	.046	.013	.072	.036	.011	
10.0	.137	.066	.018	.126	.061	.017	.106	.052	.015	.087	.043	.012	.068	.034	.010	

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	.581	.581	.581	.497	.497	.497	.339	.339	.339	.195	.195	.195	.062	.062	.062	
1.0	.569	.551	.534	.487	.473	.459	.333	.325	.318	.192	.188	.185	.061	.061	.060	
2.0	.560	.529	.502	.480	.455	.434	.329	.315	.303	.190	.183	.178	.061	.059	.058	
3.0	.552	.513	.481	.473	.442	.417	.325	.307	.293	.188	.179	.173	.060	.058	.057	
4.0	.545	.500	.466	.467	.432	.405	.321	.301	.285	.186	.176	.169	.060	.057	.055	
5.0	.538	.491	.456	.462	.425	.397	.318	.297	.280	.184	.174	.166	.059	.057	.055	
6.0	.532	.483	.448	.457	.418	.390	.315	.293	.276	.183	.172	.164	.059	.056	.054	
7.0	.526	.477	.442	.452	.413	.385	.313	.290	.273	.182	.171	.163	.059	.056	.054	
8.0	.521	.471	.438	.448	.409	.382	.310	.287	.271	.180	.169	.161	.058	.056	.053	
9.0	.515	.467	.434	.444	.405	.379	.308	.285	.269	.179	.168	.160	.058	.055	.053	
10.0	.511	.463	.431	.440	.402	.376	.305	.283	.267	.178	.167	.160	.058	.055	.053	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.3%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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	16.9	17.7	17.7	18.5	19.6	16.5	17.3	17.4	18.2	19.2
3H	17.2	17.9	18.1	18.8	19.9	16.7	17.5	17.6	18.3	19.4
4H	17.2	17.9	18.1	18.8	19.9	16.7	17.4	17.6	18.3	19.4
6H	17.2	17.8	18.1	18.7	19.9	16.6	17.3	17.6	18.2	19.3
8H	17.1	17.7	18.1	18.6	19.8	16.6	17.2	17.5	18.1	19.3
12H	17.1	17.7	18.0	18.6	19.8	16.5	17.1	17.4	18.0	19.2
4H 2H	16.8	17.5	17.7	18.4	19.5	16.5	17.2	17.4	18.0	19.2
3H	17.2	17.8	18.2	18.7	19.9	16.8	17.3	17.7	18.3	19.5
4H	17.3	17.8	18.2	18.7	19.9	16.8	17.3	17.8	18.3	19.5
6H	17.3	17.7	18.3	18.7	19.9	16.8	17.2	17.8	18.2	19.4
8H	17.3	17.7	18.3	18.6	19.9	16.7	17.1	17.7	18.1	19.4
12H	17.2	17.6	18.3	18.6	19.9	16.6	17.0	17.6	18.0	19.3
8H 4H	17.1	17.5	18.1	18.5	19.8	16.7	17.1	17.7	18.1	19.3
6H	17.2	17.5	18.2	18.5	19.8	16.7	17.0	17.7	18.0	19.3
8H	17.2	17.5	18.2	18.5	19.8	16.6	16.9	17.6	17.9	19.2
12H	17.2	17.5	18.2	18.5	19.8	16.5	16.8	17.6	17.8	19.2
12H 4H	17.0	17.4	18.0	18.4	19.7	16.6	17.0	17.6	18.0	19.2
6H	17.1	17.4	18.1	18.4	19.7	16.6	16.9	17.6	17.9	19.2
8H	17.1	17.4	18.2	18.4	19.7	16.6	16.8	17.6	17.8	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.8 / - 1.1				
1.5H	+ 0.6 / - 0.5					+ 0.6 / - 0.6				
2.0H	+ 1.5 / - 1.8					+ 1.8 / - 1.7				

CIE Pub.117, 4110 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.9$)
Area: 0.026533 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance: 2.500m [K=1.0461]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

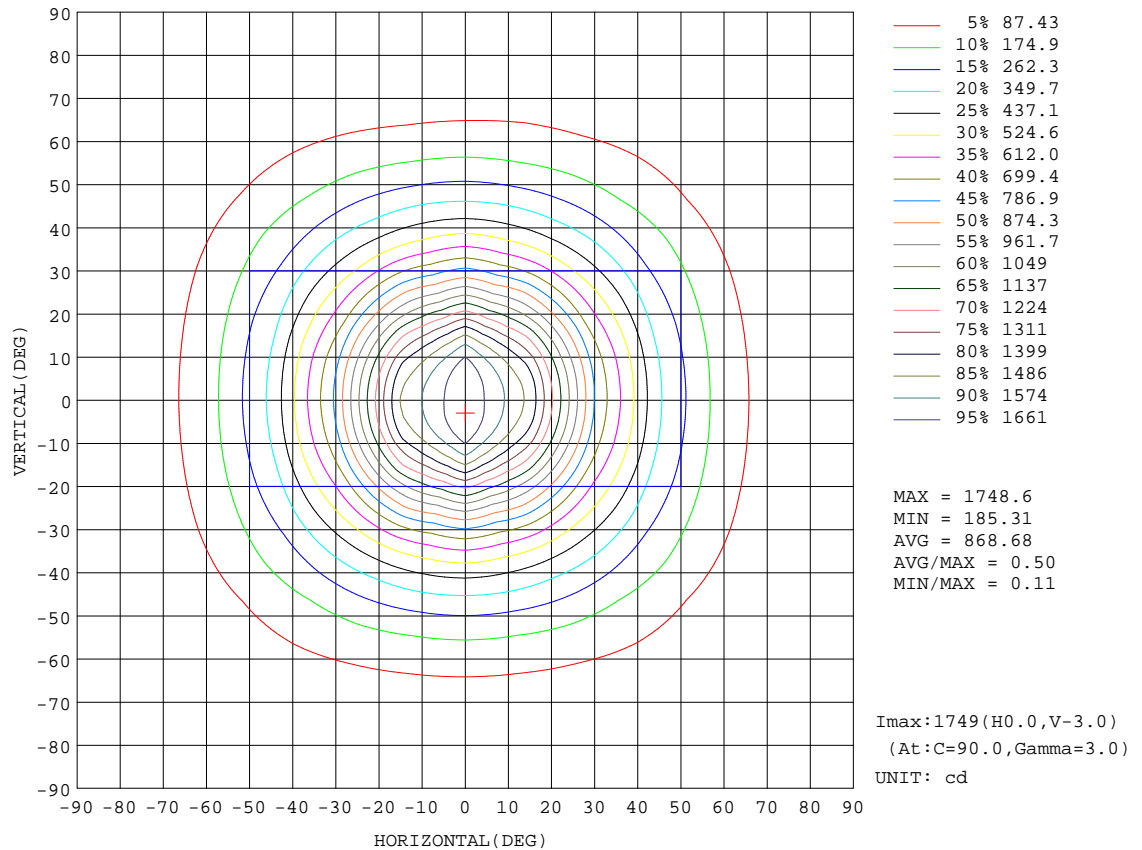
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	42	37	49	40	35	44	37	33	26
0.80	61	51	45	57	48	43	51	44	40	30
1.00	68	58	52	63	55	50	56	50	45	34
1.25	74	64	58	69	61	56	60	55	50	37
1.50	78	69	63	73	66	60	63	58	54	39
2.00	84	77	71	78	72	67	68	63	59	41
2.50	88	81	75	82	76	71	70	66	63	42
3.00	91	85	80	84	79	75	72	68	65	43
4.00	95	89	85	88	83	80	75	72	69	45
5.00	97	93	89	90	86	83	76	74	71	46
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: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.3%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

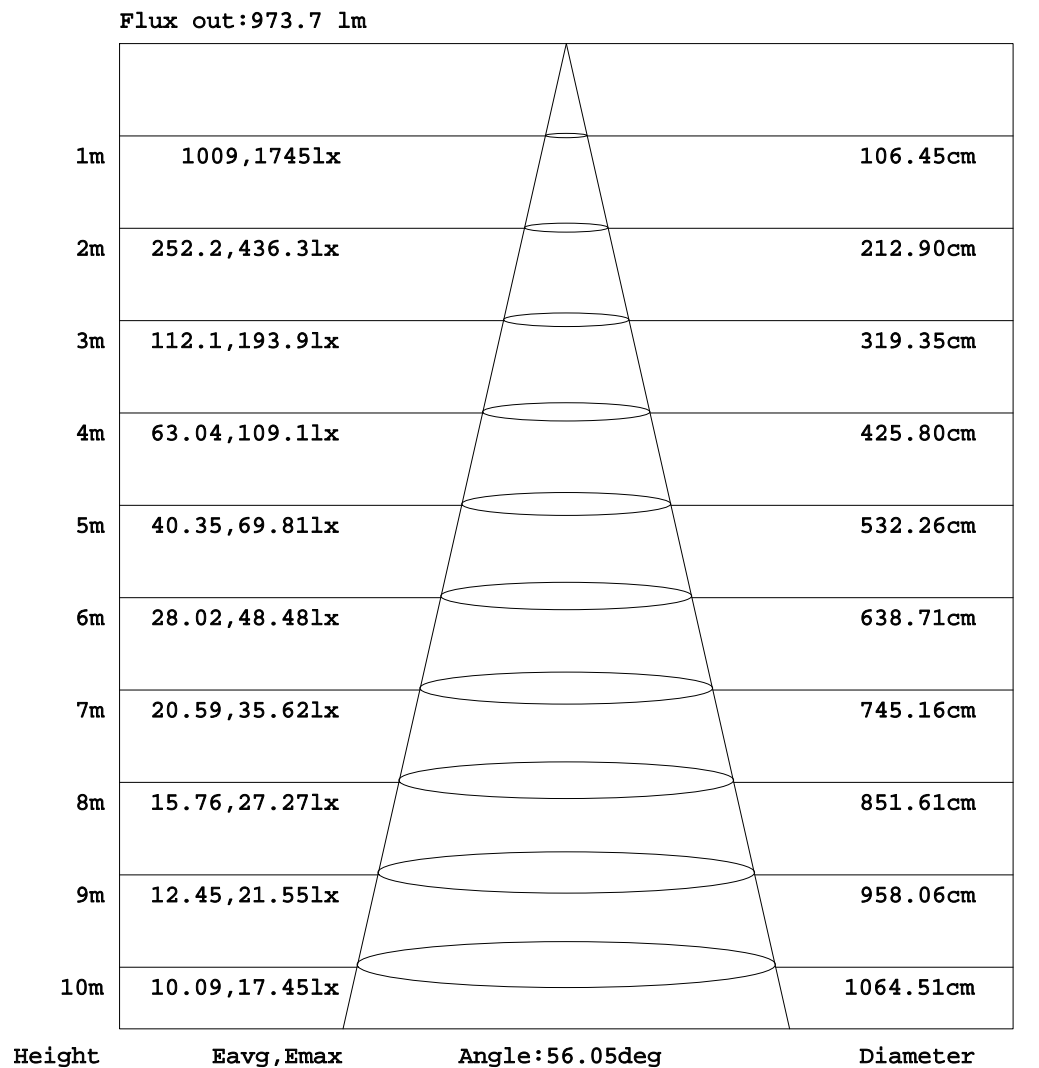


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.3%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



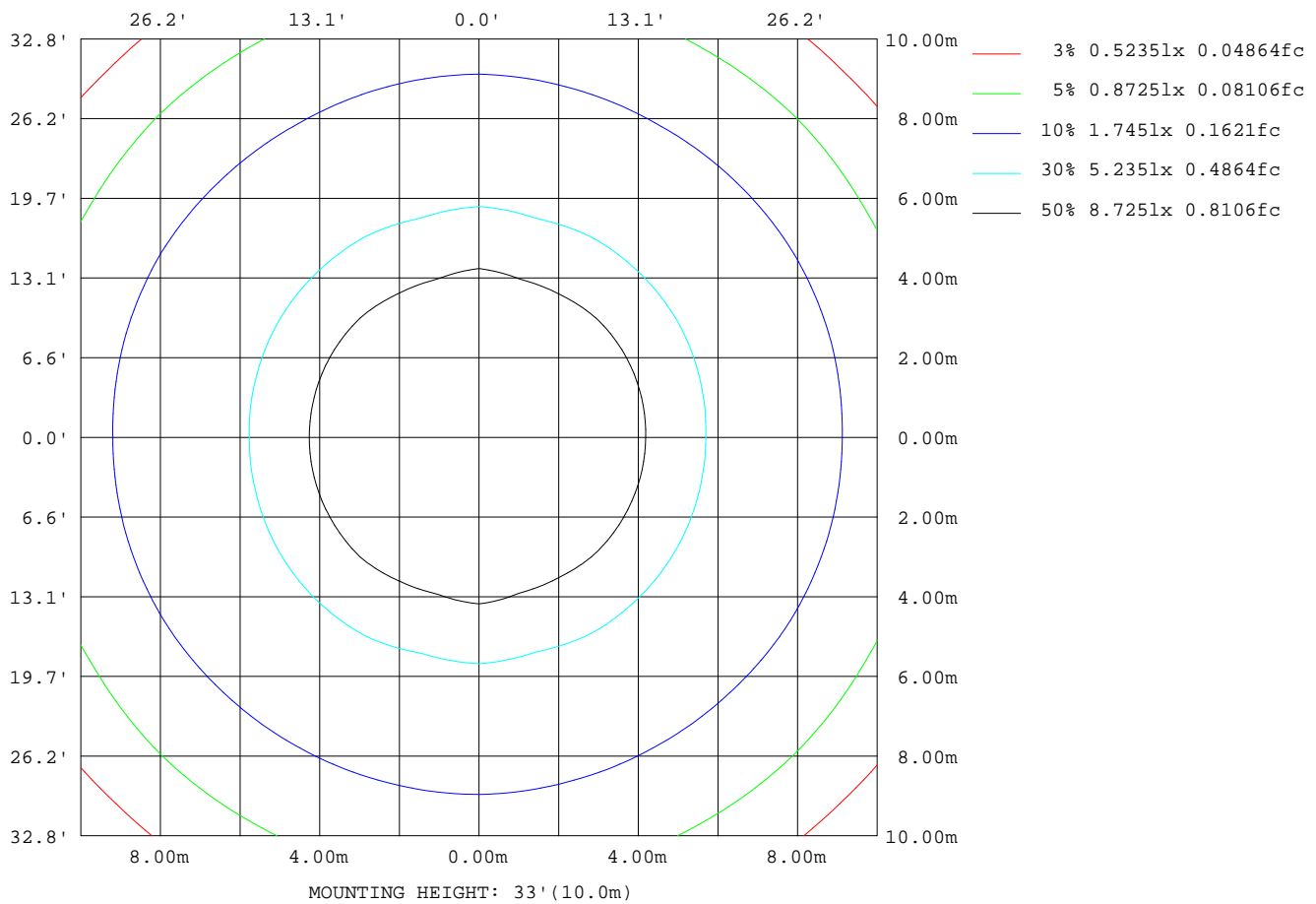
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.3%
 Test Distance:2.500m [K=1.0461]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance: 2.500m [K=1.0461]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

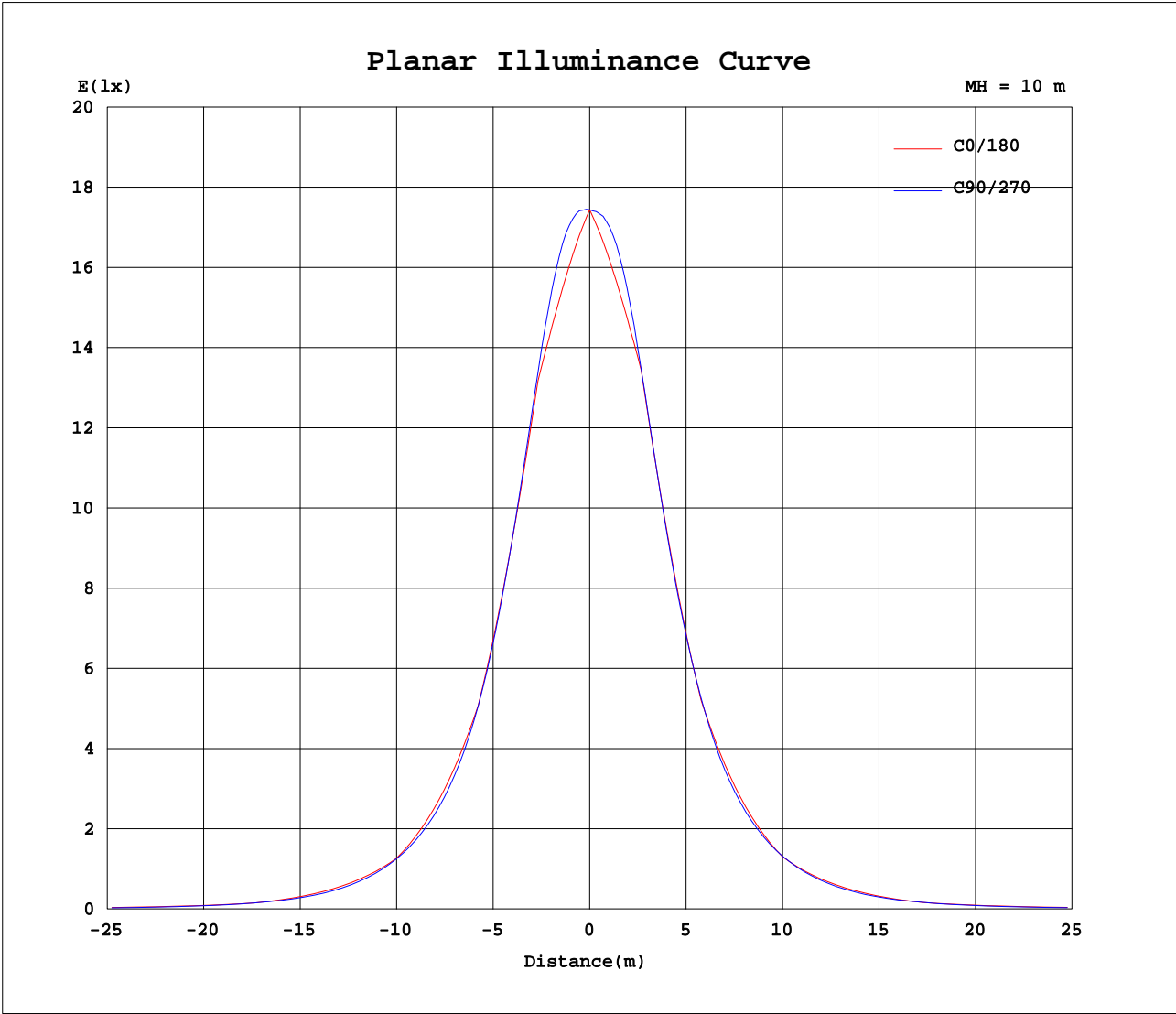
AvgL	cd/m2
L_0~180(65)av	8446
L_0~180(75)av	4258
L_0~180(85)av	4255
L_90~270(65)av	7461
L_90~270(75)av	4307
L_90~270(85)av	767
L_45(65)av	7840
L_45(75)av	4837
L_45(85)av	3259

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
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: 17 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.3%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744
5	1650	1653	1662	1675	1692	1714	1741	1718	1698	1683	1670	1662	1660	1660	1666	1677	1692	1711	1734
10	1556	1556	1558	1564	1580	1612	1663	1619	1594	1583	1579	1575	1573	1573	1572	1576	1590	1617	1662
15	1461	1449	1424	1403	1398	1422	1484	1433	1420	1431	1458	1483	1491	1477	1452	1428	1419	1436	1493
20	1235	1231	1224	1214	1183	1187	1244	1199	1209	1253	1261	1263	1261	1260	1258	1248	1211	1208	1259
25	1008	1003	995	987	973	956	999	967	999	1020	1026	1031	1032	1033	1030	1022	1006	983	1023
30	781	782	784	781	778	752	780	761	798	806	808	805	803	812	818	814	811	784	811
35	641	630	608	607	602	589	606	597	616	624	626	648	658	656	638	635	631	617	632
40	500	494	482	467	463	459	466	465	473	480	495	508	513	516	507	491	486	483	489
45	359	362	366	360	353	355	355	358	359	368	374	372	368	378	385	379	371	374	373
50	281	276	266	266	263	260	261	261	266	270	270	283	289	290	280	281	279	275	276
55	203	202	198	185	186	181	183	182	188	187	201	207	210	213	210	197	199	193	194
60	125	129	135	131	125	122	124	123	127	133	137	132	130	137	144	141	135	129	132
65	92.5	90.6	84.2	85.1	81.7	80.1	81.1	81.0	83.3	86.8	86.1	93.0	97.0	96.8	91.3	92.8	88.9	84.2	86.2
70	60.4	59.8	57.3	52.3	51.1	49.6	50.2	50.5	52.9	53.9	59.3	62.1	63.6	64.3	62.6	58.0	56.0	50.2	53.8
75	28.2	29.2	31.4	31.4	28.0	27.9	28.6	29.4	30.0	33.3	33.6	31.4	30.3	32.0	34.9	35.4	30.9	25.9	30.5
80	18.9	18.1	16.5	13.8	13.2	13.1	13.6	14.0	14.6	15.6	18.2	19.6	20.2	19.9	18.6	16.1	14.7	10.0	14.9
85	9.51	9.12	8.29	6.90	4.35	2.11	1.02	2.28	5.03	7.80	9.17	9.86	10.2	10.0	9.34	8.04	4.94	1.24	2.52
90	0.15	0.14	0.17	0.23	0.29	0.32	0.31	0.29	0.25	0.20	0.14	0.13	0.13	0.13	0.13	0.15	0.20	0.27	0.14
95	11.2	11.2	10.6	9.13	6.14	2.91	3.00	3.46	6.66	9.11	10.5	11.2	11.4	11.2	10.3	8.73	5.67	2.52	1.01
100	22.2	22.2	21.1	18.3	17.6	17.2	18.0	17.9	18.2	18.3	20.9	22.3	22.7	22.2	20.6	17.6	16.4	15.7	15.1
105	33.2	35.6	38.9	39.3	35.9	35.8	36.3	36.4	36.6	40.1	39.2	35.9	34.0	35.5	37.9	37.5	33.7	32.6	31.6
110	69.9	70.1	68.7	63.7	63.6	62.1	63.1	63.2	65.0	65.7	70.5	72.0	71.4	70.0	66.7	61.0	59.5	56.5	55.5
115	107	105	99.5	102	100.0	99.4	101	100	102	105	103	108	109	105	96.8	97.7	93.8	91.4	90.2
120	143	148	157	155	151	149	152	150	154	159	162	153	146	148	152	149	142	138	137
125	229	230	229	217	221	218	223	219	224	222	235	237	234	230	223	208	209	203	203
130	315	314	306	310	309	308	311	309	311	313	313	322	321	314	298	298	293	289	289
135	401	411	422	419	412	415	417	415	411	420	428	420	408	411	412	404	393	394	389
140	555	559	555	543	538	535	544	534	537	542	559	568	565	558	543	525	516	509	511
145	710	711	699	699	695	681	698	680	694	698	702	718	721	707	684	676	670	651	662
150	865	871	877	881	886	857	885	857	886	881	880	878	877	866	857	854	856	824	847
155	1053	1064	1075	1084	1077	1053	1090	1053	1076	1083	1073	1063	1059	1051	1047	1051	1042	1017	1052
160	1241	1257	1275	1289	1252	1248	1290	1247	1251	1282	1267	1250	1240	1237	1240	1245	1211	1207	1249
165	1429	1432	1420	1406	1401	1414	1453	1412	1396	1398	1409	1420	1422	1407	1384	1361	1352	1364	1402
170	1464	1474	1481	1486	1495	1514	1541	1512	1491	1479	1473	1466	1460	1453	1449	1448	1451	1466	1491
175	1500	1507	1516	1526	1537	1549	1561	1548	1535	1523	1513	1504	1497	1494	1495	1498	1505	1515	1526
180	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 17 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 40.3%

Test Distance: 2.500m [K=1.0461]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2419A P:28.94W PF:0.9969 Freq:60.00Hz Lamp Flux:4110x1 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	1744	1744	1744	1744	1744													
5	1709	1689	1672	1660	1652													
10	1614	1584	1568	1560	1559													
15	1433	1414	1420	1436	1456													
20	1206	1204	1239	1245	1240													
25	980	1000	1011	1018	1015													
30	780	804	805	806	796													
35	613	624	629	627	642													
40	480	480	485	496	503													
45	369	364	371	375	368													
50	271	270	272	270	280													
55	190	191	187	200	203													
60	130	130	134	136	129													
65	88.2	85.4	87.0	85.1	90.4													
70	57.6	54.7	53.8	58.4	60.0													
75	35.9	31.3	32.8	32.5	29.9													
80	20.5	16.0	14.9	17.4	18.6													
85	8.07	6.02	7.41	8.72	9.37													
90	0.24	0.18	0.14	0.13	0.14													
95	2.21	4.77	7.76	9.48	10.6													
100	14.3	14.7	15.6	18.9	21.1													
105	30.7	31.3	35.6	36.0	34.0													
110	54.6	57.0	59.2	65.5	68.7													
115	88.7	91.0	95.8	96.0	104													
120	134	139	147	151	147													
125	199	205	205	220	227													
130	284	287	292	294	309													
135	384	383	393	403	404													
140	497	501	509	528	546													
145	639	653	658	665	693													
150	814	840	836	839	850													
155	1010	1028	1036	1035	1041													
160	1202	1202	1237	1234	1232													
165	1361	1349	1358	1382	1410													
170	1465	1450	1447	1449	1456													
175	1515	1506	1499	1496	1496													
180	1535	1535	1535	1535	1535													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 17 October 2024

γ Range: 0 - 180DEG

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Humidity: 40.3%

Test Distance: 2.500m [K=1.0461]

Remarks: