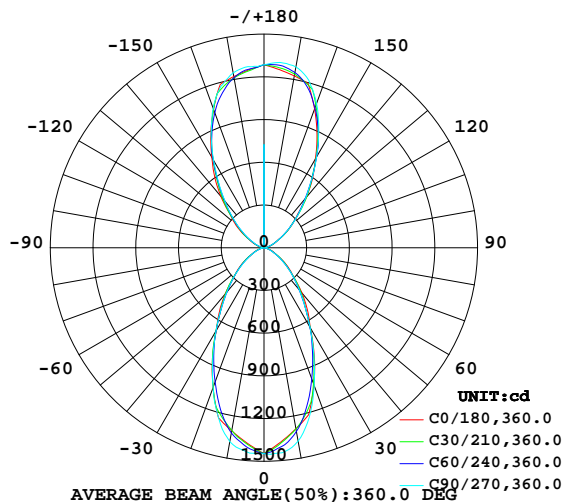


LUMINAIRE PHOTOMETRIC TEST REPORT

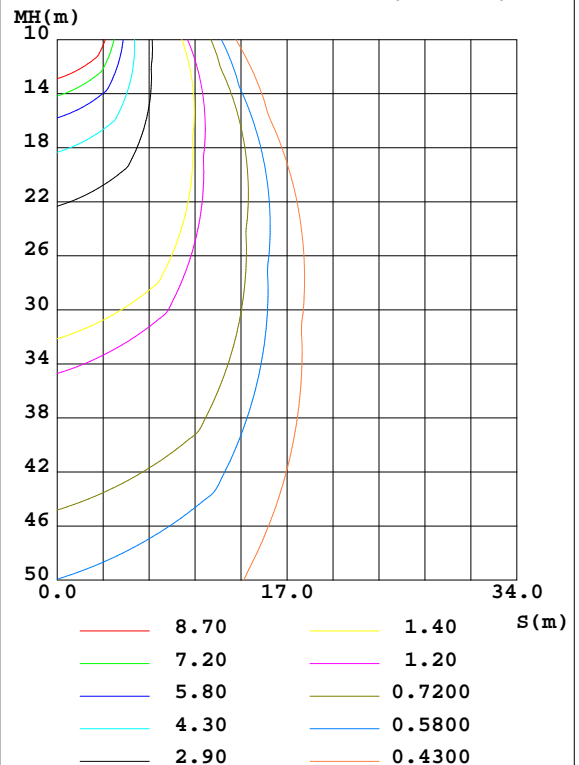
Test:U:120.0V I:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.40 lm/W			
MODEL	INDEPS030UNHD8SC2R6BZP	I _{max} (cd)	1451	S/MH(C0/180)	0.85
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.85
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3423.8	η UP,DN(C0-180)	26.2,24.0
NOMINAL FLUX(lm)	3423.81	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.3,24.5
LAMPS INSIDE	1	η up(%)	51.5	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	48.5	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	1291	1298	1379	1312	1306	1306	1384	1298	0- 10	130.8	130.8	3.82,3.82
20	1025	1007	1032	1037	1047	1038	1047	1029	10- 20	331.6	462.4	13.5,13.5
30	648.4	648.2	647.5	668.2	666.7	675.8	673.9	668.4	20- 30	382.0	844.5	24.7,24.7
40	414.7	388.4	387.5	398.7	425.6	408.3	407.0	401.5	30- 40	325.2	1170	34.2,34.2
50	233.0	220.6	216.9	223.8	239.5	232.9	229.5	225.6	40- 50	237.2	1407	41.1,41.1
60	103.4	108.9	102.5	110.3	108.3	117.4	109.2	111.0	50- 60	146.2	1553	45.4,45.4
70	50.09	43.49	41.64	44.74	52.83	48.14	44.85	44.81	60- 70	73.27	1626	47.5,47.5
80	15.65	11.46	11.29	12.95	16.75	13.38	12.38	12.42	70- 80	28.98	1655	48.3,48.3
90	0.1210	0.1937	0.2596	0.1650	0.1073	0.1261	0.1141	0.1203	80- 90	6.564	1662	48.5,48.5
100	18.58	15.23	14.91	15.24	18.95	14.70	12.57	13.09	90-100	7.496	1669	48.8,48.8
110	58.57	53.35	52.87	54.87	59.62	50.96	46.42	49.52	100-110	33.41	1703	49.7,49.7
120	120.1	129.8	127.6	132.9	122.1	124.7	114.8	122.6	110-120	83.93	1787	52.2,52.2
130	263.6	258.9	260.9	261.9	268.0	249.0	241.3	244.1	120-130	165.5	1952	57,57
140	464.6	454.8	454.8	453.0	471.5	439.3	427.2	425.6	130-140	264.7	2217	64.7,64.7
150	723.3	738.1	740.4	736.7	732.7	713.0	708.1	699.9	140-150	359.0	2576	75.2,75.2
160	1038	1078	1079	1072	1037	1039	1044	1033	150-160	403.4	2979	87,87
170	1226	1241	1290	1235	1221	1211	1247	1211	160-170	324.7	3304	96.5,96.5
180	1285	1285	1285	1285	1285	1285	1285	1285	170-180	119.8	3424	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1300.3 lm

%lum = 38.0%

%lamp = 38.0%

Conical surface Flux(120deg): 1553 lm

%lum = 45.4%

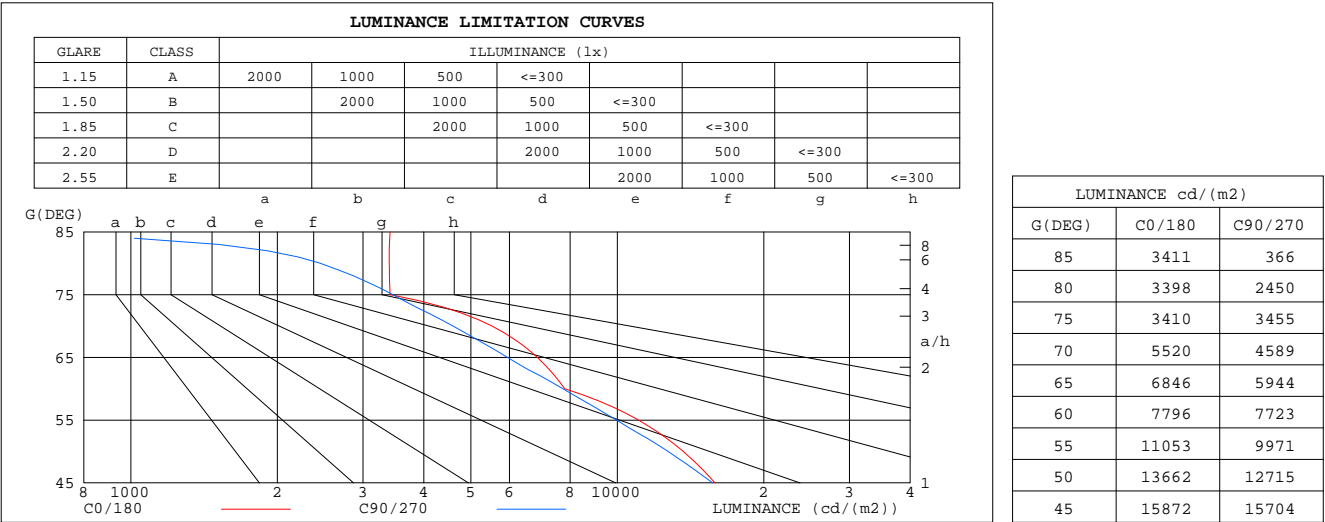
%lamp = 45.4%

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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



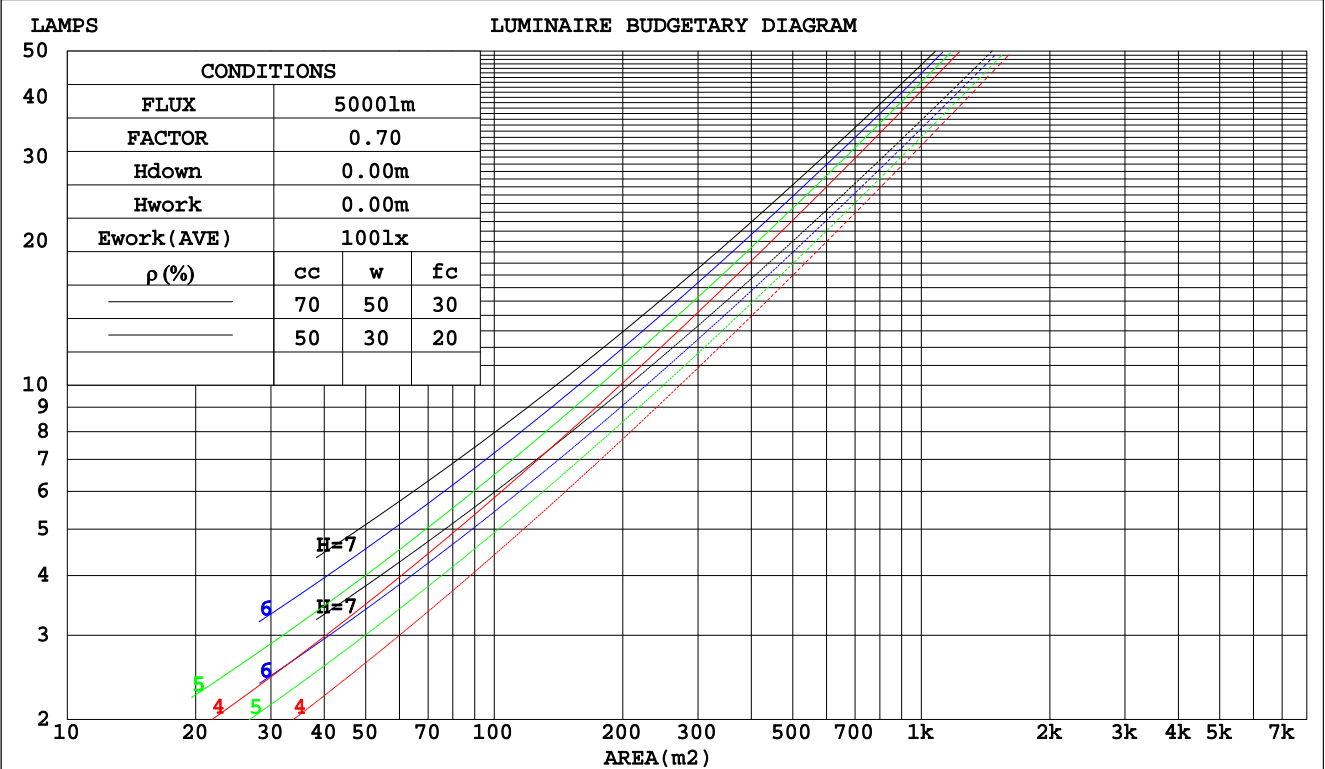
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 October 2024

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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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: 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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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	.219	.125	.040	.176	.101	.032	.138	.080	.026	.102	.059	.019	
2.0	.226	.124	.038	.206	.113	.035	.168	.093	.029	.133	.074	.023	.100	.057	.018	
3.0	.212	.113	.034	.193	.103	.031	.158	.086	.026	.126	.069	.021	.096	.053	.016	
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	.046	.014	
6.0	.173	.087	.025	.159	.080	.023	.132	.068	.020	.106	.055	.016	.083	.044	.013	
7.0	.163	.081	.023	.150	.075	.021	.124	.063	.018	.101	.052	.015	.079	.041	.012	
8.0	.153	.075	.021	.141	.070	.020	.118	.059	.017	.096	.048	.014	.075	.038	.011	
9.0	.145	.070	.020	.133	.065	.018	.112	.055	.016	.091	.046	.013	.071	.036	.010	
10.0	.137	.066	.018	.126	.061	.017	.106	.052	.015	.086	.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	.583	.583	.583	.498	.498	.498	.340	.340	.340	.195	.195	.195	.062	.062	.062	
1.0	.571	.552	.535	.488	.474	.461	.334	.326	.319	.192	.189	.185	.062	.061	.060	
2.0	.561	.530	.504	.481	.456	.436	.330	.316	.304	.190	.184	.178	.061	.059	.058	
3.0	.553	.514	.483	.474	.443	.418	.326	.308	.294	.188	.180	.173	.060	.058	.057	
4.0	.546	.502	.468	.469	.434	.406	.322	.302	.286	.186	.177	.169	.060	.058	.056	
5.0	.539	.492	.457	.463	.426	.398	.319	.297	.281	.185	.175	.167	.060	.057	.055	
6.0	.533	.484	.449	.458	.420	.391	.316	.294	.277	.183	.173	.165	.059	.056	.054	
7.0	.527	.478	.444	.454	.414	.387	.313	.291	.274	.182	.171	.163	.059	.056	.054	
8.0	.522	.473	.439	.449	.410	.383	.311	.288	.272	.181	.170	.162	.059	.056	.054	
9.0	.517	.468	.436	.445	.407	.380	.309	.286	.270	.180	.169	.161	.058	.055	.053	
10.0	.512	.465	.433	.442	.403	.378	.306	.284	.268	.179	.168	.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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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	16.2	17.0	17.1	17.9	18.9	15.8	16.7	16.7	17.5	18.6
3H	16.5	17.3	17.4	18.1	19.3	16.1	16.8	16.9	17.7	18.8
4H	16.5	17.2	17.5	18.1	19.3	16.1	16.7	17.0	17.6	18.8
6H	16.5	17.1	17.4	18.0	19.2	16.0	16.6	16.9	17.5	18.7
8H	16.5	17.1	17.4	18.0	19.2	15.9	16.5	16.8	17.4	18.6
12H	16.4	17.0	17.4	17.9	19.1	15.8	16.4	16.8	17.3	18.5
4H 2H	16.1	16.8	17.0	17.7	18.8	15.8	16.5	16.7	17.4	18.5
3H	16.6	17.1	17.5	18.1	19.3	16.1	16.7	17.1	17.6	18.8
4H	16.6	17.1	17.6	18.1	19.3	16.1	16.7	17.1	17.6	18.8
6H	16.6	17.1	17.6	18.0	19.3	16.1	16.5	17.1	17.5	18.8
8H	16.6	17.0	17.6	18.0	19.3	16.0	16.5	17.0	17.4	18.7
12H	16.6	17.0	17.6	17.9	19.2	16.0	16.3	17.0	17.3	18.6
8H 4H	16.5	16.9	17.4	17.8	19.1	16.0	16.4	17.0	17.4	18.7
6H	16.5	16.8	17.5	17.8	19.1	16.0	16.3	17.0	17.3	18.6
8H	16.5	16.8	17.6	17.8	19.2	15.9	16.2	17.0	17.3	18.6
12H	16.5	16.8	17.6	17.8	19.2	15.9	16.1	16.9	17.1	18.5
12H 4H	16.4	16.7	17.4	17.7	19.0	15.9	16.3	16.9	17.3	18.6
6H	16.4	16.7	17.5	17.7	19.1	15.9	16.2	17.0	17.2	18.6
8H	16.5	16.7	17.5	17.7	19.1	15.9	16.1	16.9	17.2	18.5
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					+ 1.7 / - 1.7				

CIE Pub.117, 3424 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.3$)
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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

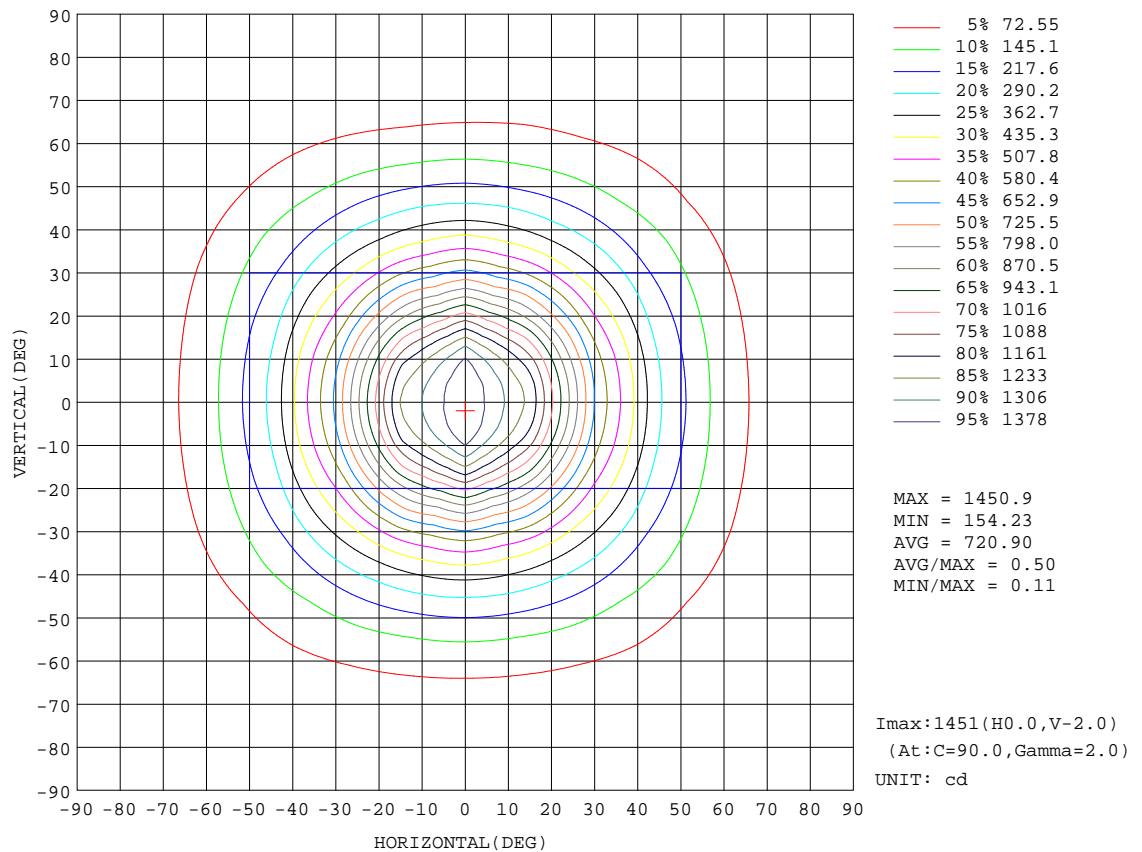
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	42	37	49	40	35	44	37	33	26
0.80	60	51	45	57	48	43	51	44	40	30
1.00	67	58	52	63	55	49	56	50	45	34
1.25	74	64	58	69	61	55	60	55	50	37
1.50	78	69	63	73	65	60	63	58	54	39
2.00	84	76	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	45
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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



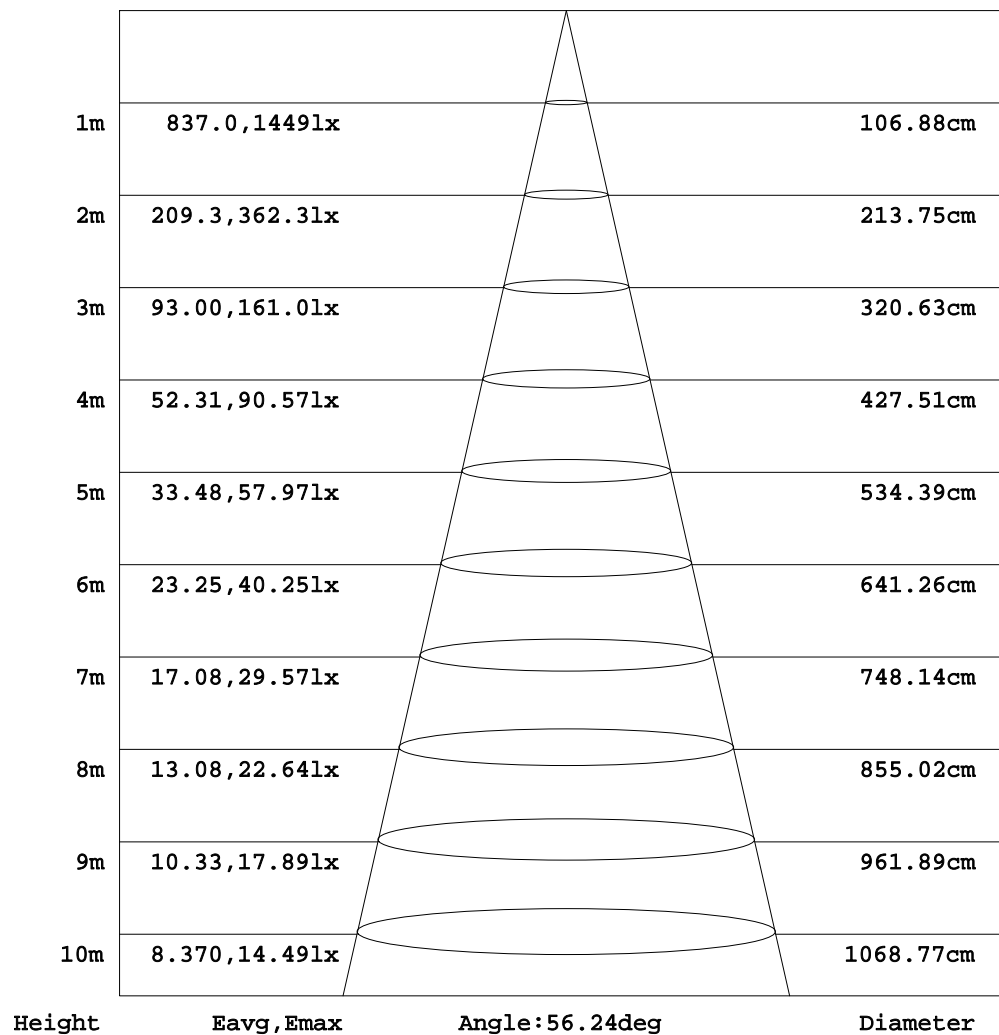
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 October 2024

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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:807.9 lm



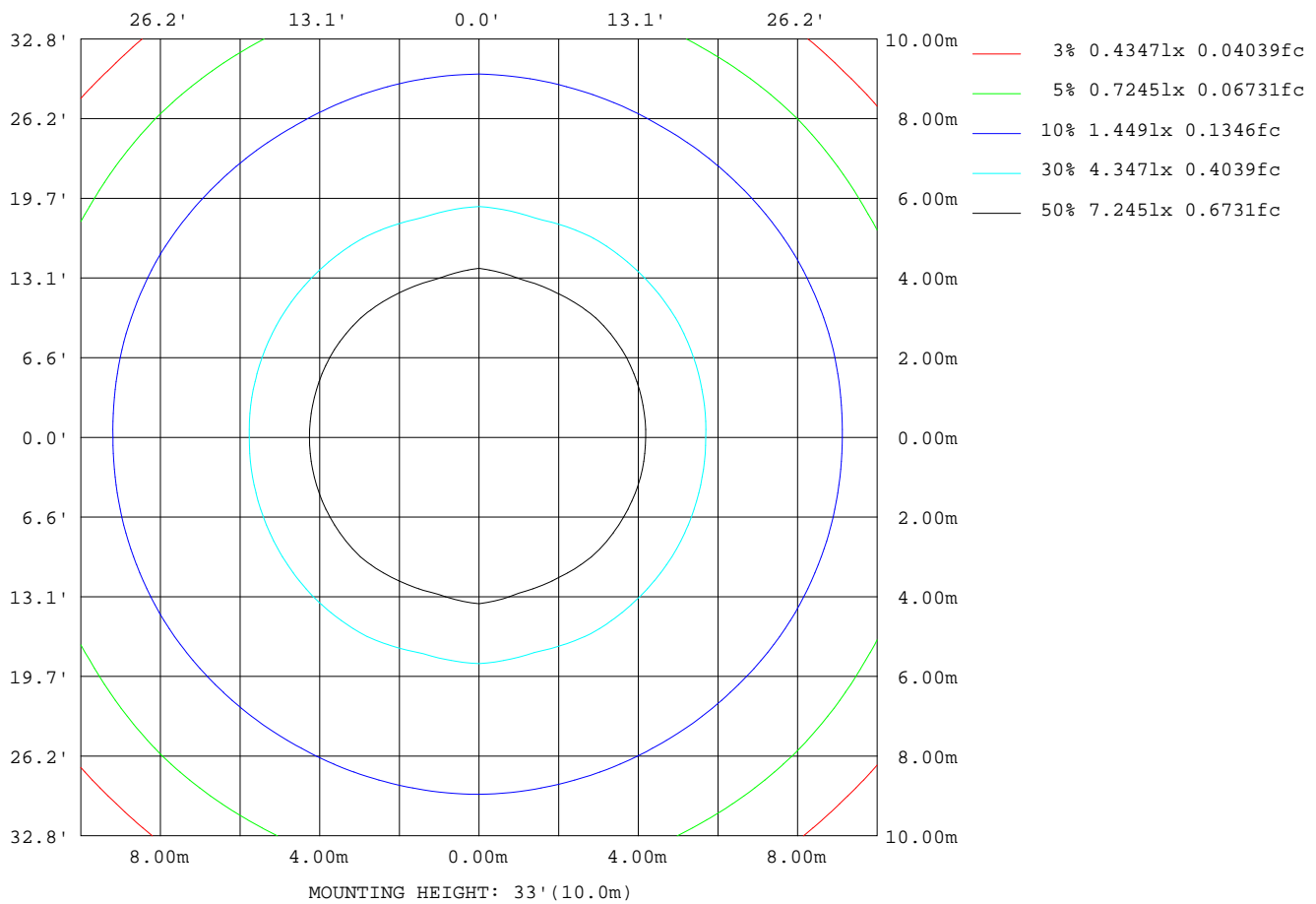
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

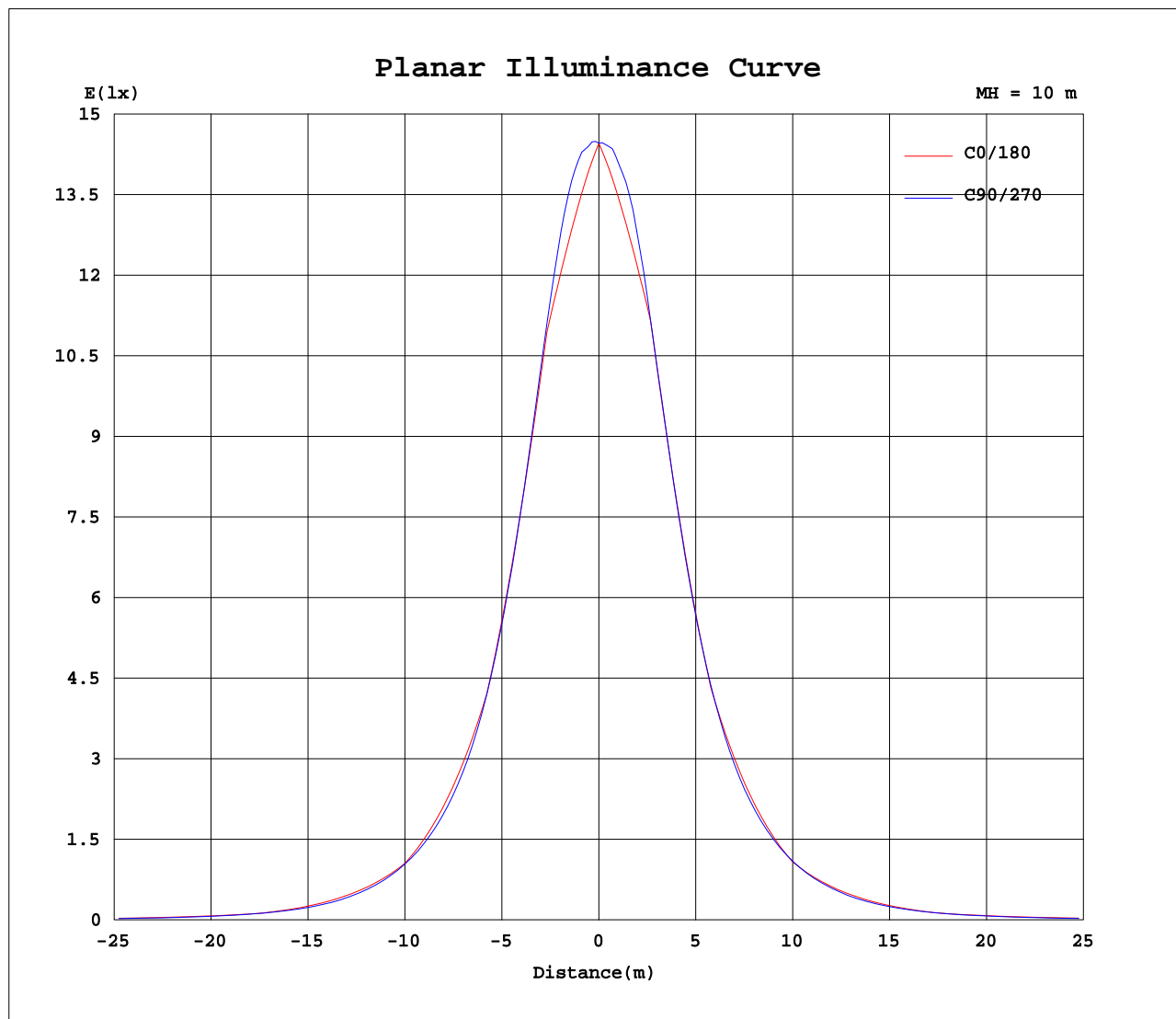
AvgL	cd/m2
L_0~180(65)av	7016
L_0~180(75)av	3531
L_0~180(85)av	3528
L_90~270(65)av	6165
L_90~270(75)av	3576
L_90~270(85)av	639
L_45(65)av	6513
L_45(75)av	4020
L_45(85)av	2709

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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446
5	1369	1372	1377	1386	1402	1423	1445	1425	1407	1393	1386	1381	1376	1379	1383	1393	1405	1419	1438
10	1291	1289	1293	1298	1311	1337	1379	1342	1322	1312	1308	1307	1306	1306	1303	1306	1320	1344	1384
15	1214	1200	1182	1164	1158	1179	1231	1187	1176	1187	1210	1228	1237	1227	1205	1186	1179	1191	1236
20	1025	1023	1018	1007	982	985	1032	995	1003	1037	1047	1045	1047	1044	1044	1038	1005	1005	1047
25	837	834	825	820	807	792	830	800	829	847	852	856	857	857	856	849	836	817	851
30	648	650	651	648	647	625	648	631	661	668	669	668	667	675	678	676	672	651	674
35	532	524	505	504	500	488	502	494	510	517	519	538	546	545	529	527	524	512	526
40	415	411	401	388	384	382	388	386	391	399	411	421	426	428	421	408	403	401	407
45	298	300	303	299	293	294	295	296	298	305	311	308	305	314	320	315	308	311	309
50	233	229	220	221	218	216	217	217	220	224	224	234	239	240	232	233	232	229	229
55	168	167	165	153	155	149	152	151	156	154	167	171	174	176	174	164	165	160	161
60	103	107	112	109	104	101	102	102	106	110	113	109	108	114	119	117	112	108	109
65	76.8	75.3	70.2	70.6	67.6	66.4	66.7	67.3	69.0	72.0	71.4	77.2	80.6	80.2	76.0	77.1	74.0	70.1	71.6
70	50.1	49.8	47.7	43.5	42.5	41.2	41.6	41.8	43.9	44.7	49.2	51.5	52.8	53.2	51.9	48.1	46.4	41.7	44.8
75	23.4	24.3	26.1	26.1	23.2	23.2	23.7	24.4	24.9	27.6	27.8	26.1	25.1	26.5	28.9	29.3	25.6	21.7	25.4
80	15.7	15.1	13.7	11.5	11.0	10.9	11.3	11.6	12.1	13.0	15.1	16.3	16.8	16.5	15.4	13.4	12.2	8.23	12.4
85	7.89	7.60	6.88	5.73	3.61	1.75	0.85	1.88	4.17	6.47	7.59	8.20	8.43	8.29	7.74	6.67	4.09	1.02	2.11
90	0.12	0.12	0.14	0.19	0.24	0.26	0.26	0.24	0.21	0.16	0.12	0.11	0.11	0.11	0.11	0.13	0.17	0.22	0.11
95	9.35	9.37	8.86	7.64	5.14	2.44	2.55	2.89	5.56	7.60	8.77	9.39	9.53	9.32	8.60	7.30	4.75	2.10	0.80
100	18.6	18.6	17.6	15.2	14.7	14.4	14.9	15.0	15.3	15.2	17.5	18.7	18.9	18.5	17.2	14.7	13.7	13.1	12.6
105	27.8	29.8	32.5	32.8	30.1	30.0	30.5	30.4	30.7	33.5	32.8	30.0	28.4	29.7	31.6	31.4	28.2	27.3	26.5
110	58.6	58.5	57.5	53.3	53.2	51.9	52.9	52.9	54.5	54.9	59.0	60.3	59.6	58.5	55.8	51.0	49.7	47.1	46.4
115	89.3	87.6	83.3	85.4	83.7	83.3	84.4	84.0	85.2	87.5	86.2	90.7	90.9	87.7	81.0	81.6	78.2	75.9	75.0
120	120	124	131	130	127	125	128	125	128	133	135	128	122	124	127	125	119	115	115
125	192	193	191	180	185	183	185	183	188	185	197	198	195	193	186	174	175	169	170
130	264	263	256	259	259	258	261	258	260	262	262	269	268	262	249	249	245	242	241
135	335	344	354	351	345	348	349	348	344	351	358	351	341	343	344	337	329	328	325
140	465	468	465	455	450	448	455	446	449	453	467	474	472	466	454	439	431	426	427
145	594	595	584	585	582	570	583	569	580	584	587	599	602	591	572	566	560	544	552
150	723	730	733	738	740	716	740	716	742	737	736	733	733	724	717	713	715	689	708
155	881	889	900	907	902	882	912	881	900	904	897	889	885	879	874	877	868	849	880
160	1038	1050	1067	1078	1046	1044	1079	1043	1044	1072	1059	1044	1037	1033	1037	1039	1011	1009	1044
165	1196	1197	1187	1176	1172	1183	1217	1182	1168	1169	1175	1188	1189	1176	1157	1137	1127	1139	1174
170	1226	1233	1238	1241	1250	1266	1290	1265	1246	1235	1232	1226	1221	1212	1212	1211	1214	1226	1247
175	1256	1261	1269	1277	1286	1296	1307	1295	1284	1274	1266	1259	1253	1248	1247	1251	1258	1268	1278
180	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285	1285

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:0.1981A P:23.71W PF:0.9976 Freq:60.00Hz Lamp Flux:3423.81x1 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	1446	1446	1446	1446	1446													
5	1418	1402	1388	1377	1371													
10	1343	1315	1298	1295	1292													
15	1189	1175	1179	1189	1209													
20	1002	998	1029	1035	1030													
25	816	831	839	845	842													
30	648	668	668	670	660													
35	509	519	522	520	532													
40	398	399	402	412	418													
45	307	302	308	311	305													
50	225	224	226	224	232													
55	158	159	156	167	169													
60	108	108	111	113	107													
65	73.5	71.1	72.4	70.9	75.3													
70	48.0	45.6	44.8	48.6	49.9													
75	29.9	26.0	27.3	27.0	24.9													
80	17.0	13.3	12.4	14.4	15.5													
85	6.72	5.00	6.18	7.23	7.78													
90	0.20	0.15	0.12	0.11	0.11													
95	1.85	4.00	6.50	7.95	8.88													
100	12.0	12.3	13.1	15.9	17.7													
105	25.7	26.2	29.8	30.2	28.5													
110	45.6	47.6	49.5	54.8	57.5													
115	74.1	75.9	80.2	80.3	86.9													
120	112	117	123	126	123													
125	166	171	171	184	190													
130	237	240	244	246	259													
135	320	320	328	337	338													
140	416	418	426	442	457													
145	533	546	549	556	580													
150	681	702	700	700	711													
155	842	860	867	866	871													
160	1006	1005	1033	1032	1030													
165	1137	1126	1136	1157	1177													
170	1226	1213	1211	1213	1216													
175	1268	1258	1252	1249	1251													
180	1285	1285	1285	1285	1285													

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: