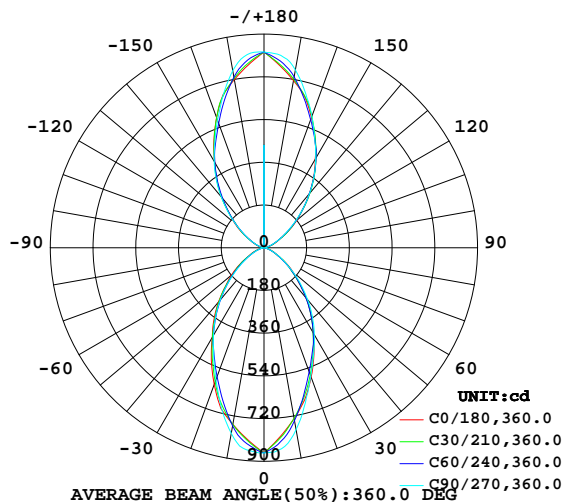


LUMINAIRE PHOTOMETRIC TEST REPORT

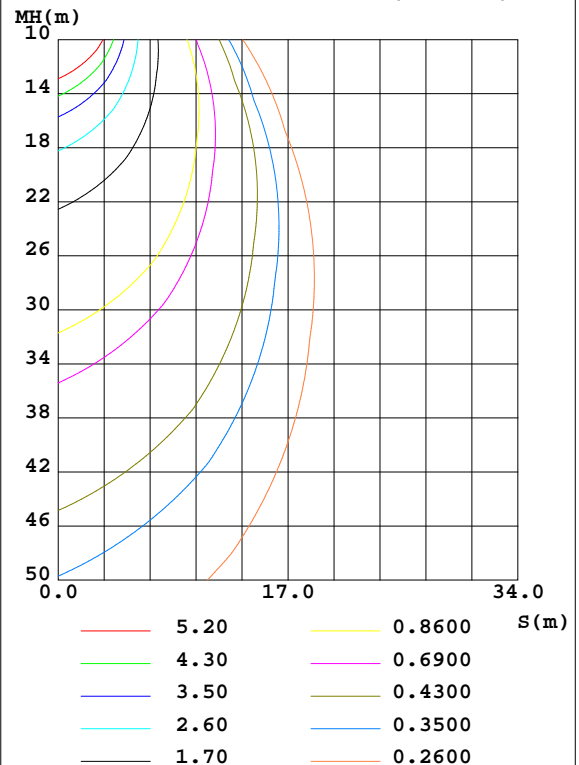
Test:U:120.0V I:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.97 lm/W			
MODEL	INDEPS020UNHD8SC2R4BZP	I _{max} (cd)	865.4	S/MH(C0/180)	0.86
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	0.82
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2112.4	η UP,DN(C0-180)	25.4,24.9
NOMINAL FLUX(lm)	2112.38	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.6,25.2
LAMPS INSIDE	1	η up(%)	50.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	50.0	CIBSE SHR MAX	0.95

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	730.7	734.8	778.7	752.5	756.1	759.1	794.3	747.8	0- 10	76.19	76.19	3.61,3.61
20	581.0	566.2	576.6	589.2	613.4	593.6	592.4	578.2	10- 20	187.0	263.1	12.5,12.5
30	415.5	410.7	424.6	428.0	436.6	426.9	426.1	414.9	20- 30	229.2	492.3	23.3,23.3
40	276.8	277.1	287.2	296.5	298.1	291.0	286.8	278.3	30- 40	220.1	712.4	33.7,33.7
50	160.9	155.0	161.4	169.0	179.1	167.8	161.0	154.9	40- 50	169.6	882.0	41.8,41.8
60	67.95	72.90	73.60	82.75	79.54	82.59	74.79	74.22	50- 60	103.7	985.7	46.7,46.7
70	30.97	26.16	26.42	31.32	37.51	31.92	28.03	27.19	60- 70	49.75	1035	49,49
80	8.340	5.688	5.641	7.536	11.02	8.256	6.494	6.140	70- 80	17.72	1053	49.9,49.9
90	0.0783	0.1366	0.1857	0.1220	0.0700	0.0818	0.0780	0.0846	80- 90	3.750	1057	50,50
100	10.55	7.640	6.721	6.968	9.114	6.388	5.974	7.120	90-100	3.772	1061	50.2,50.2
110	36.92	32.60	29.81	29.52	32.41	27.83	26.82	30.01	100-110	18.19	1079	51.1,51.1
120	79.21	86.31	79.90	78.96	69.94	74.48	72.11	80.35	110-120	51.03	1130	53.5,53.5
130	179.8	175.5	171.5	162.5	161.4	153.8	156.7	164.3	120-130	105.5	1235	58.5,58.5
140	297.6	303.7	298.3	285.2	276.9	274.1	280.4	288.1	130-140	171.3	1407	66.6,66.6
150	432.6	436.0	435.9	418.9	416.6	411.7	419.5	419.3	140-150	221.0	1628	77.1,77.1
160	585.2	587.9	589.8	574.4	584.0	576.4	572.7	569.4	150-160	228.3	1856	87.9,87.9
170	716.0	726.5	761.1	722.1	720.1	728.1	757.9	719.7	160-170	183.0	2039	96.5,96.5
180	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	170-180	73.25	2112	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 805.36 lm

%lum = 38.1%

%lamp = 38.1%

Conical surface Flux(120deg): 985.72 lm

%lum = 46.7%

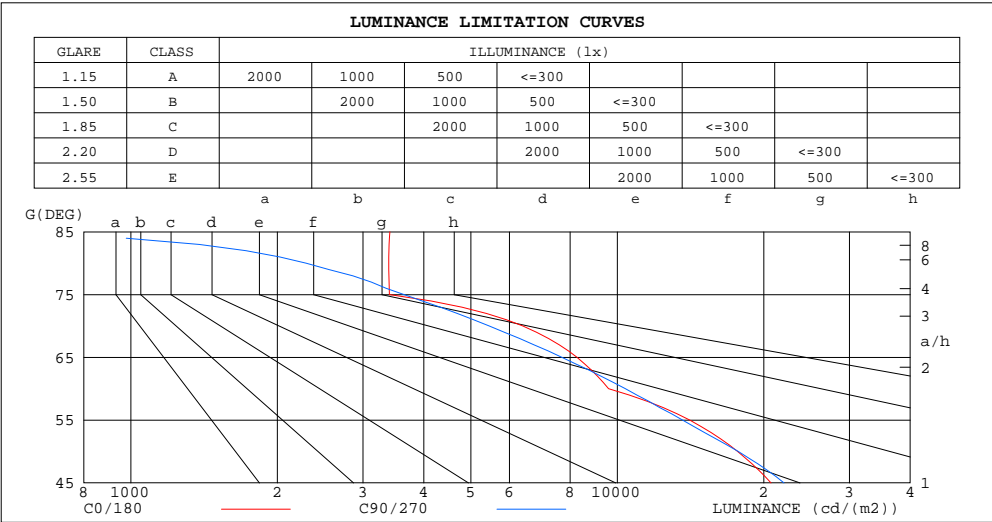
%lamp = 46.7%

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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	3408	430
80	3390	2293
75	3401	3641
70	6390	5453
65	8260	7691
60	9592	10388
55	14082	13616
50	17670	17717
45	20703	22012

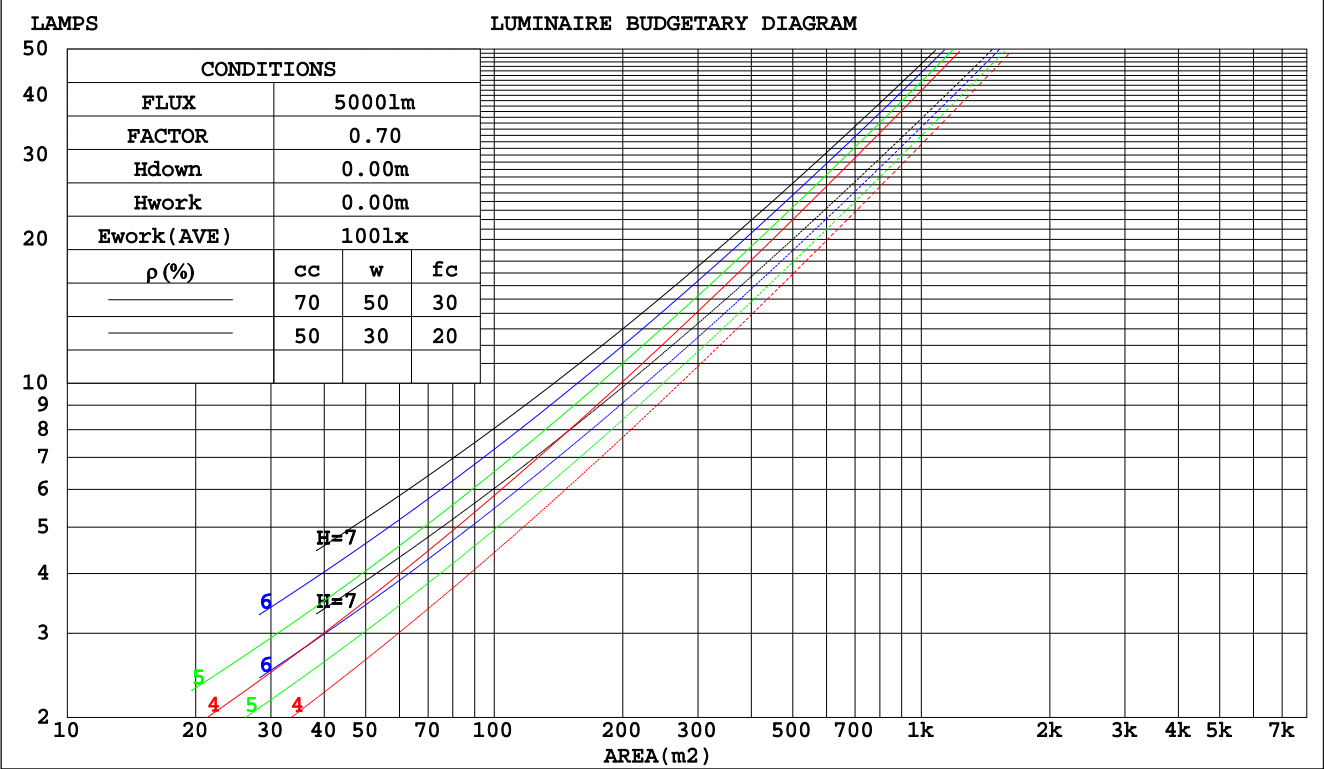
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:Alan Wang
Test Date:15 October 2024

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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	.243	.138	.044	.221	.126	.040	.180	.103	.033	.142	.082	.026	.107	.062	.020		
2.0	.229	.125	.038	.209	.115	.035	.171	.095	.030	.137	.077	.024	.105	.059	.019		
3.0	.214	.114	.034	.196	.105	.032	.162	.088	.027	.130	.071	.022	.101	.056	.017		
4.0	.200	.104	.031	.184	.096	.028	.152	.081	.024	.123	.066	.020	.096	.052	.016		
5.0	.187	.096	.028	.172	.088	.026	.143	.075	.022	.117	.061	.018	.091	.049	.015		
6.0	.176	.088	.025	.162	.082	.024	.135	.069	.020	.110	.057	.017	.087	.046	.014		
7.0	.165	.082	.023	.152	.076	.022	.127	.064	.019	.104	.054	.016	.083	.043	.013		
8.0	.156	.076	.021	.144	.071	.020	.121	.060	.017	.099	.050	.014	.079	.040	.012		
9.0	.147	.071	.020	.136	.066	.019	.114	.056	.016	.094	.047	.013	.075	.038	.011		
10.0	.139	.067	.018	.128	.062	.017	.108	.053	.015	.089	.044	.013	.071	.036	.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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.560	.541	.524	.479	.464	.451	.327	.319	.312	.188	.185	.181	.060	.059	.059	
2.0	.550	.519	.492	.471	.446	.425	.323	.309	.297	.186	.180	.174	.060	.058	.057	
3.0	.542	.502	.471	.465	.433	.408	.319	.301	.286	.184	.176	.169	.059	.057	.055	
4.0	.535	.490	.456	.459	.423	.396	.316	.295	.279	.183	.173	.165	.059	.056	.054	
5.0	.528	.480	.445	.454	.416	.387	.313	.290	.273	.181	.170	.162	.058	.056	.053	
6.0	.522	.473	.437	.449	.409	.381	.310	.287	.269	.180	.169	.160	.058	.055	.053	
7.0	.516	.466	.431	.444	.404	.376	.307	.283	.266	.178	.167	.159	.058	.055	.052	
8.0	.511	.461	.427	.440	.400	.372	.304	.281	.264	.177	.166	.157	.057	.054	.052	
9.0	.506	.457	.424	.436	.396	.369	.302	.279	.262	.176	.165	.156	.057	.054	.052	
10.0	.501	.453	.421	.432	.393	.367	.300	.277	.261	.175	.164	.156	.057	.054	.052	

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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	17.4	18.2	18.2	19.1	20.1	17.3	18.2	18.2	19.0	20.1
3H	17.6	18.4	18.5	19.3	20.3	17.5	18.2	18.3	19.1	20.2
4H	17.6	18.3	18.5	19.2	20.3	17.4	18.1	18.3	19.0	20.1
6H	17.5	18.2	18.4	19.0	20.2	17.3	17.9	18.2	18.8	20.0
8H	17.5	18.1	18.4	19.0	20.1	17.2	17.8	18.1	18.7	19.9
12H	17.4	18.0	18.3	18.9	20.1	17.1	17.7	18.1	18.6	19.8
4H 2H	17.3	18.0	18.2	18.9	20.0	17.2	17.9	18.1	18.8	19.9
3H	17.6	18.2	18.5	19.1	20.3	17.4	18.0	18.4	18.9	20.1
4H	17.6	18.1	18.6	19.1	20.3	17.4	17.9	18.4	18.9	20.1
6H	17.5	18.0	18.5	19.0	20.2	17.3	17.8	18.3	18.7	20.0
8H	17.5	17.9	18.5	18.9	20.1	17.2	17.7	18.2	18.6	19.9
12H	17.5	17.8	18.5	18.8	20.1	17.1	17.5	18.1	18.5	19.8
8H 4H	17.4	17.8	18.4	18.8	20.1	17.2	17.7	18.2	18.6	19.9
6H	17.4	17.7	18.4	18.7	20.0	17.2	17.5	18.2	18.5	19.8
8H	17.4	17.7	18.4	18.7	20.0	17.1	17.4	18.1	18.4	19.7
12H	17.4	17.6	18.4	18.6	20.0	17.0	17.2	18.0	18.3	19.6
12H 4H	17.3	17.7	18.3	18.7	20.0	17.2	17.5	18.1	18.5	19.8
6H	17.3	17.6	18.3	18.6	19.9	17.1	17.4	18.1	18.4	19.7
8H	17.3	17.5	18.3	18.6	19.9	17.0	17.3	18.0	18.3	19.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.1					+ 0.9 / - 1.3				
1.5H	+ 0.6 / - 0.5					+ 0.7 / - 0.8				
2.0H	+ 1.8 / - 2.3					+ 2.1 / - 2.2				

CIE Pub.117, 2112 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)
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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

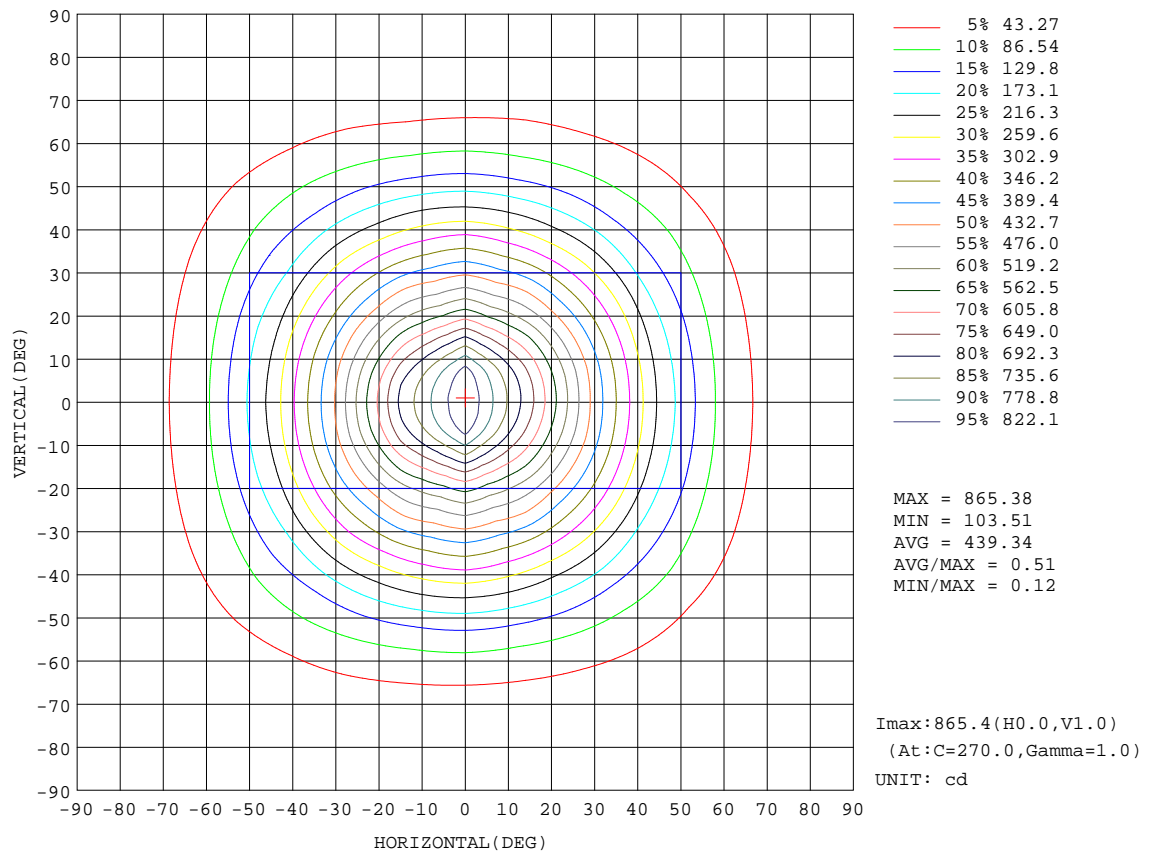
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	41	36	48	40	35	44	37	33	25
0.80	60	50	44	57	48	43	51	44	40	30
1.00	67	58	51	63	55	49	56	50	45	34
1.25	74	64	58	69	61	56	61	55	51	37
1.50	78	70	63	73	66	60	64	58	54	39
2.00	85	77	71	79	72	67	68	63	60	42
2.50	88	81	76	82	76	71	71	66	63	43
3.00	91	85	80	85	79	75	73	69	66	44
4.00	95	90	85	88	84	80	75	72	70	46
5.00	97	93	89	90	86	83	77	74	72	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:25.0DEG
 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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



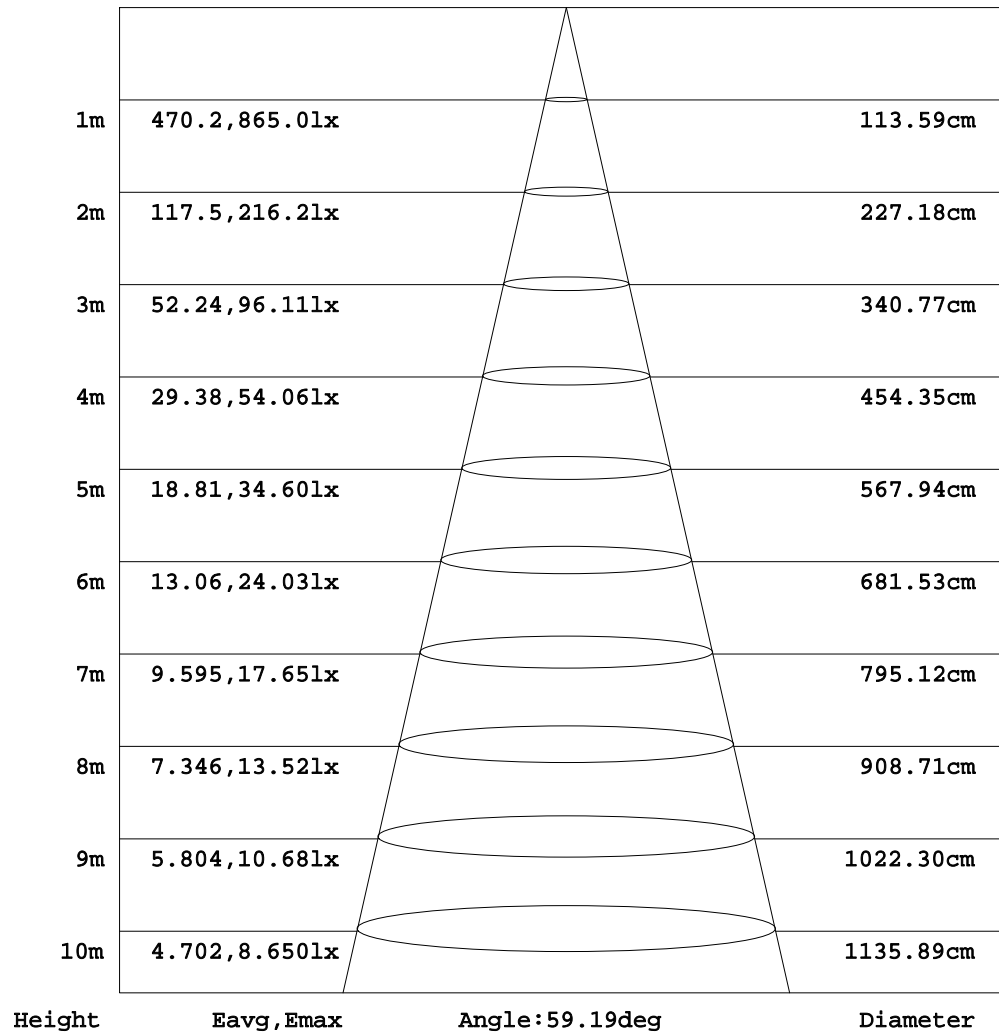
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 15 October 2024

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:492.3 lm



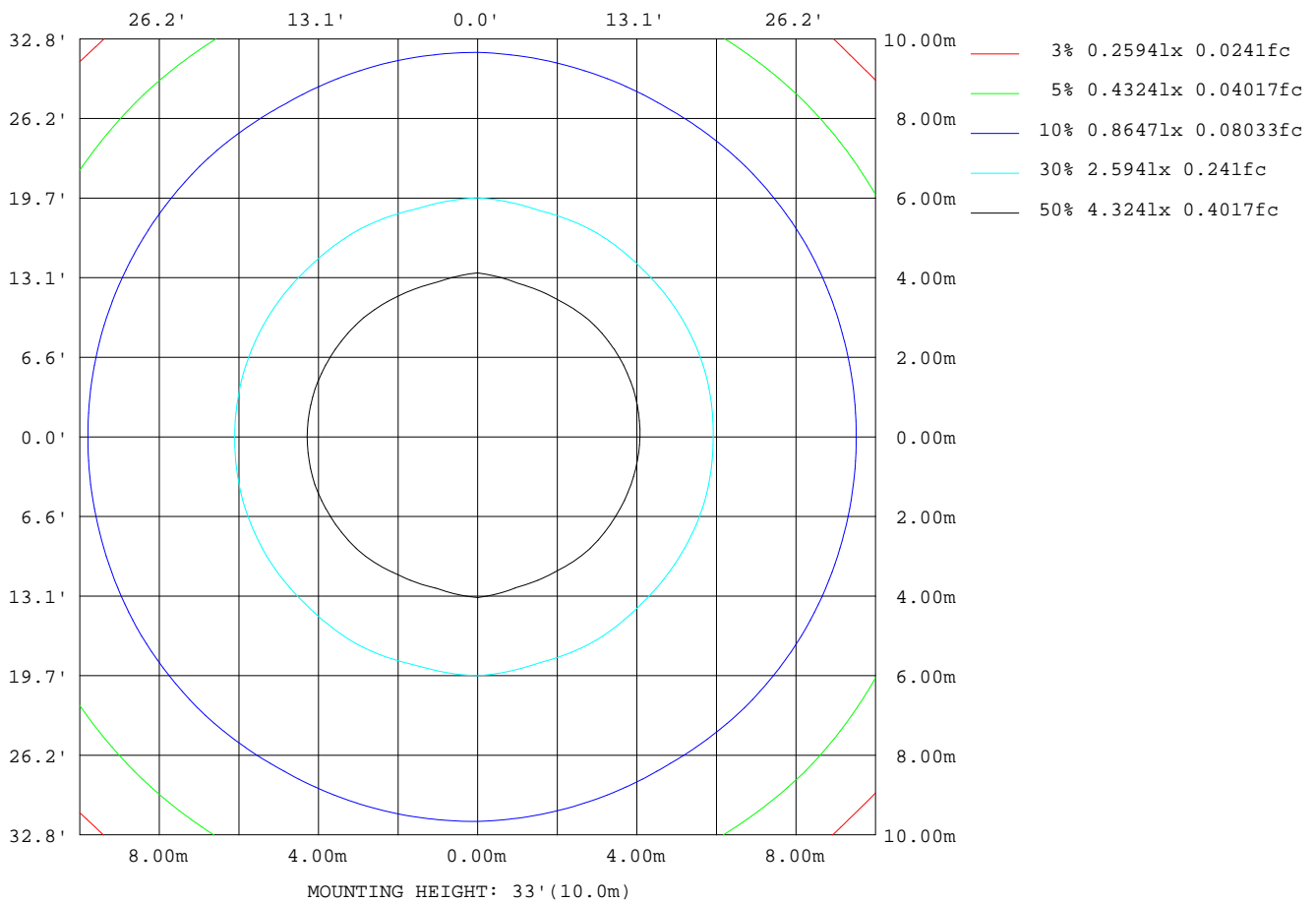
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

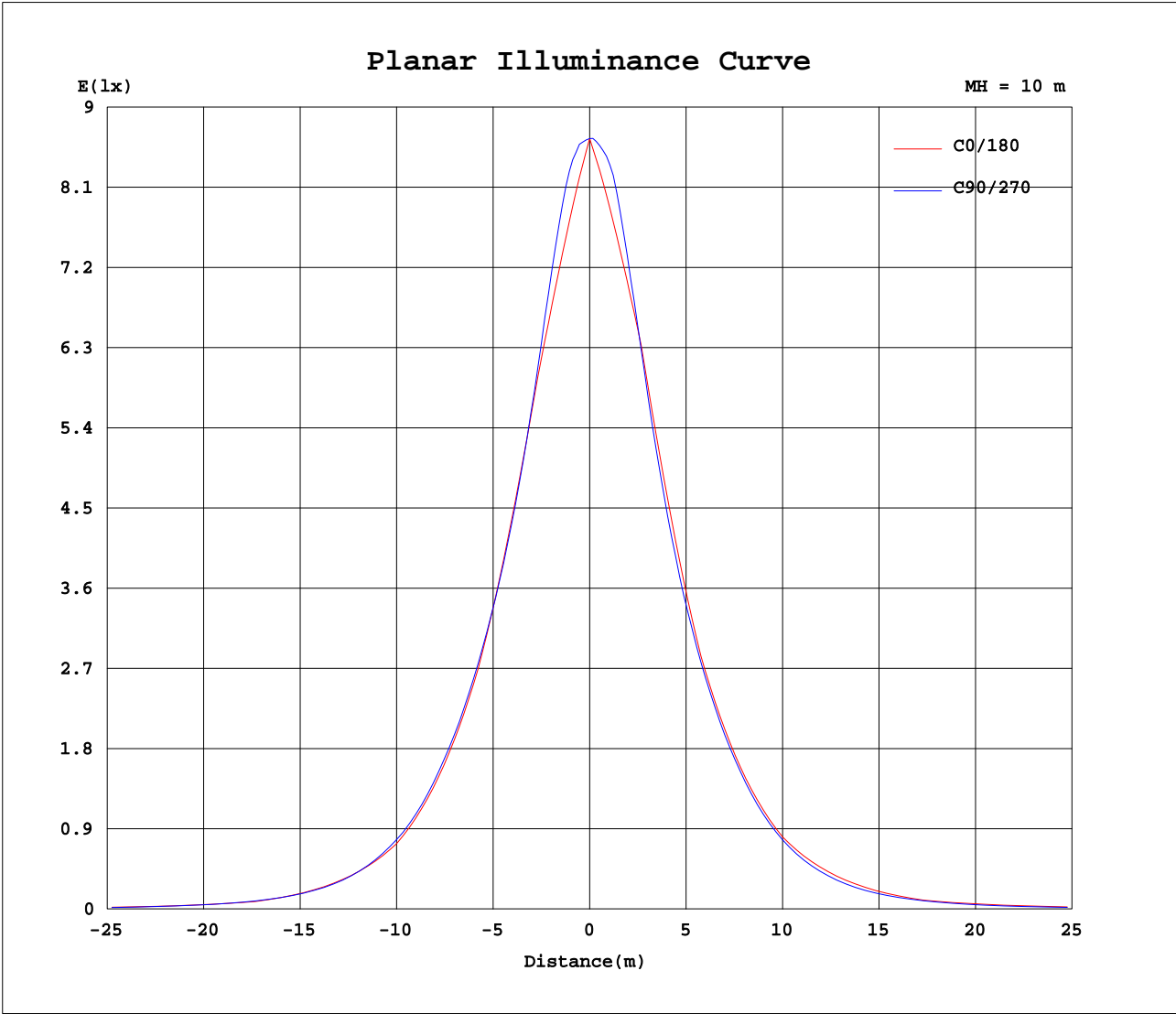
AvgL	cd/m2
L_0~180(65)av	9017
L_0~180(75)av	3950
L_0~180(85)av	3950
L_90~270(65)av	7825
L_90~270(75)av	3785
L_90~270(85)av	789
L_45(65)av	8241
L_45(75)av	4636
L_45(85)av	2805

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865
5	798	799	803	810	819	834	851	837	826	819	815	811	810	812	815	820	829	840	854
10	731	731	730	735	740	754	779	760	752	752	755	756	756	756	757	759	762	773	794
15	664	657	652	646	646	651	675	657	658	669	685	696	702	699	686	674	669	674	696
20	581	575	570	566	557	557	577	562	569	589	602	610	613	611	602	594	578	575	592
25	498	495	490	486	483	479	495	484	494	504	514	523	525	522	515	506	498	490	501
30	416	418	414	411	416	411	425	418	428	428	436	440	437	438	434	427	426	417	426
35	346	346	345	343	345	344	356	351	358	360	367	368	367	367	361	357	354	350	356
40	277	277	278	277	275	278	287	285	287	296	298	298	298	297	294	291	285	283	287
45	207	208	211	213	211	216	221	222	224	229	231	229	229	229	228	226	220	221	220
50	161	159	152	155	155	156	161	162	166	169	170	177	179	177	168	168	165	161	161
55	114	114	112	105	107	107	111	111	116	117	126	129	129	129	125	117	116	111	111
60	68.0	70.3	74.1	72.9	70.6	70.5	73.6	74.3	77.9	82.7	85.4	81.4	79.5	81.6	84.8	82.6	78.1	73.9	74.8
65	49.5	48.1	44.4	45.2	44.2	44.6	46.1	47.3	49.8	52.7	52.9	56.7	58.5	57.0	52.9	52.9	49.9	46.7	47.7
70	31.0	30.6	29.2	26.2	26.2	25.6	26.4	27.5	30.0	31.3	35.2	36.9	37.5	37.2	35.6	31.9	30.3	26.3	28.0
75	12.5	13.3	14.7	15.0	13.1	12.9	13.4	14.3	15.6	18.3	18.5	17.2	16.5	17.5	19.0	19.1	15.9	12.5	14.4
80	8.34	7.99	6.99	5.69	5.95	5.55	5.64	6.35	7.46	7.54	9.27	10.5	11.0	10.7	9.72	8.26	7.68	4.83	6.49
85	4.21	4.03	3.53	2.87	1.88	0.88	0.53	1.11	2.64	3.79	4.65	5.28	5.55	5.39	4.87	4.12	2.72	0.70	1.42
90	0.08	0.08	0.10	0.14	0.17	0.19	0.19	0.17	0.15	0.12	0.09	0.07	0.07	0.07	0.07	0.08	0.11	0.15	0.08
95	5.31	5.14	4.61	3.84	2.77	1.36	1.21	1.37	2.59	3.51	4.12	4.52	4.59	4.34	3.85	3.19	2.28	1.10	0.79
100	10.5	10.2	9.16	7.64	7.86	6.94	6.72	6.92	7.44	6.97	8.18	8.98	9.11	8.63	7.67	6.39	6.74	6.26	5.97
105	15.8	16.8	18.6	19.0	16.5	15.5	15.3	15.4	15.6	17.2	16.6	14.8	13.6	14.2	15.7	16.1	14.3	14.0	13.8
110	36.9	37.2	35.9	32.6	31.9	30.0	29.8	29.5	30.1	29.5	32.2	32.8	32.4	31.8	30.8	27.8	27.7	26.8	26.8
115	58.1	57.7	54.1	55.0	52.8	51.2	51.0	50.1	49.6	50.0	48.5	51.0	51.2	49.6	46.4	47.1	45.9	45.5	46.1
120	79.2	83.0	87.4	86.3	82.5	79.3	79.9	77.5	77.5	79.0	78.8	73.7	69.9	71.9	75.8	74.5	71.8	70.8	72.1
125	130	131	129	122	123	119	119	116	116	112	117	118	116	115	113	105	107	106	108
130	180	180	174	175	174	171	171	167	164	162	158	162	161	159	153	154	153	153	157
135	230	232	235	237	233	233	232	227	220	221	218	211	207	209	212	211	208	211	214
140	298	300	302	304	298	297	298	289	284	285	283	279	277	277	278	274	271	272	280
145	365	368	370	369	368	362	367	354	353	350	351	349	347	346	345	341	341	339	351
150	433	437	439	436	439	429	436	421	425	419	421	420	417	419	417	412	414	407	419
155	509	512	512	509	506	496	507	489	493	495	496	499	500	502	498	490	484	476	491
160	585	589	590	588	575	573	590	568	566	574	576	581	584	586	584	576	559	555	573
165	662	665	663	656	652	657	676	653	646	647	654	664	668	669	664	653	645	647	666
170	716	719	722	726	732	742	761	740	728	722	720	720	720	724	726	728	730	739	758
175	770	771	775	782	790	801	814	800	790	781	776	772	772	776	780	786	794	804	817
180	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825

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:0.1288A P:15.20W PF:0.9838 Freq:60.00Hz Lamp Flux:2112.38x1 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	865	865	865	865	865														
5	838	823	812	805	800														
10	769	755	748	738	734														
15	670	661	661	666	666														
20	570	569	578	582	583														
25	486	490	494	498	501														
30	413	418	415	418	420														
35	344	345	344	346	348														
40	277	275	278	279	278														
45	215	212	213	212	209														
50	157	156	155	153	159														
55	109	109	105	112	114														
60	73.1	72.5	74.2	74.8	70.4														
65	48.2	46.2	46.6	45.2	48.2														
70	30.0	28.1	27.2	29.8	30.6														
75	17.4	14.8	15.6	15.1	13.3														
80	9.12	7.33	6.14	7.24	8.05														
85	3.63	2.71	3.08	3.64	4.06														
90	0.14	0.11	0.08	0.08	0.08														
95	1.02	2.41	3.55	4.41	5.06														
100	6.17	7.09	7.12	8.79	10.1														
105	14.0	15.0	17.5	17.7	16.5														
110	27.1	28.9	30.0	34.0	36.1														
115	46.3	48.1	50.6	51.2	56.0														
120	72.2	75.2	80.3	82.9	80.5														
125	108	113	114	123	127														
130	158	161	164	166	175														
135	216	217	223	226	227														
140	279	280	288	292	295														
145	344	350	352	360	363														
150	411	421	419	426	432														
155	479	487	493	498	505														
160	556	558	569	573	579														
165	645	640	642	649	654														
170	736	724	720	716	715														
175	803	791	783	776	772														
180	825	825	825	825	825														

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: