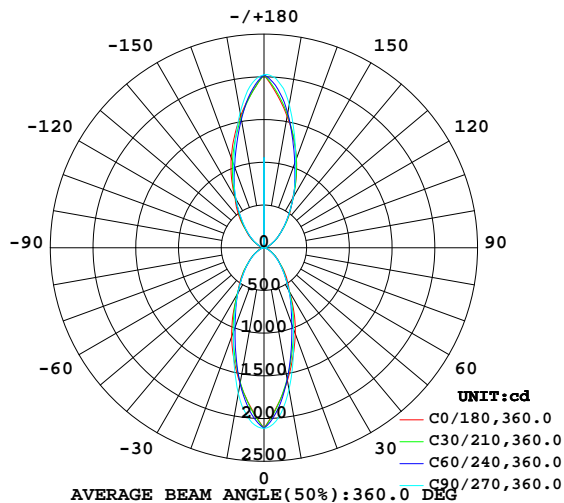


LUMINAIRE PHOTOMETRIC TEST REPORT

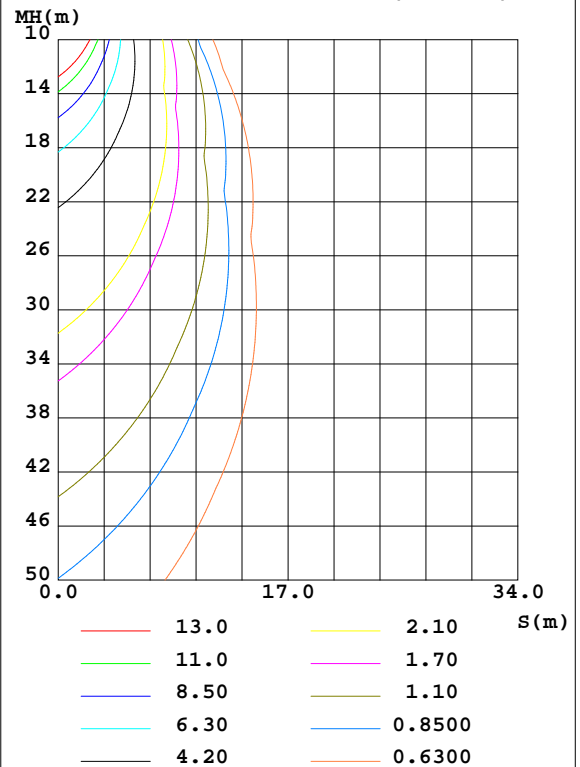
Test:U:120.0V I:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.46 lm/W			
MODEL	INDEPS030UNHD8SC2R6BZP	I _{max} (cd)	2114	S/MH(C0/180)	0.64
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3388.5	η UP,DN(C0-180)	26.4,23.8
NOMINAL FLUX(lm)	3388.46	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.4,24.4
LAMPS INSIDE	1	η up(%)	51.8	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	48.2	CIBSE SHR MAX	0.70

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	1580	1553	1686	1584	1611	1598	1735	1590	0- 10	171.8	171.8	5.07,5.07
20	1072	982.7	1007	1030	1108	1028	1041	1023	10- 20	361.0	532.8	15.7,15.7
30	591.4	593.1	587.2	613.7	604.9	620.4	615.0	618.6	20- 30	366.0	898.8	26.5,26.5
40	374.0	345.4	344.2	354.9	382.0	364.0	362.9	360.8	30- 40	293.5	1192	35.2,35.2
50	208.1	197.0	193.3	199.4	212.8	207.4	203.2	201.0	40- 50	211.4	1404	41.4,41.4
60	93.63	98.21	92.85	99.44	97.32	105.1	98.25	100.1	50- 60	130.7	1534	45.3,45.3
70	45.94	40.03	38.70	41.22	48.15	44.15	41.18	41.31	60- 70	66.54	1601	47.2,47.2
80	14.77	10.94	10.96	12.50	15.75	12.69	11.74	11.85	70- 80	27.00	1628	48,48
90	0.1231	0.1877	0.2482	0.1574	0.1032	0.1276	0.1069	0.1231	80- 90	6.234	1634	48.2,48.2
100	17.65	14.70	14.37	14.68	18.09	14.20	12.23	12.62	90-100	7.192	1641	48.4,48.4
110	53.92	49.61	49.09	50.95	55.14	47.60	43.42	46.05	100-110	31.46	1673	49.4,49.4
120	108.9	117.9	115.5	120.7	111.3	113.8	105.2	111.7	110-120	77.00	1750	51.6,51.6
130	236.9	233.1	234.0	235.2	242.1	225.4	217.9	220.1	120-130	149.5	1899	56.1,56.1
140	422.9	410.4	410.2	409.0	431.2	396.5	386.5	384.5	130-140	238.9	2138	63.1,63.1
150	666.7	687.7	684.9	684.6	678.7	668.2	654.2	649.4	140-150	328.8	2467	72.8,72.8
160	1111	1090	1087	1070	1123	1052	1037	1026	150-160	392.0	2859	84.4,84.4
170	1563	1591	1704	1582	1572	1530	1609	1515	160-170	362.9	3222	95.1,95.1
180	2025	2025	2025	2025	2025	2025	2025	2025	170-180	166.7	3388	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1308.8 lm

%lum = 38.6%

%lamp = 38.6%

Conical surface Flux(120deg): 1534.4 lm

%lum = 45.3%

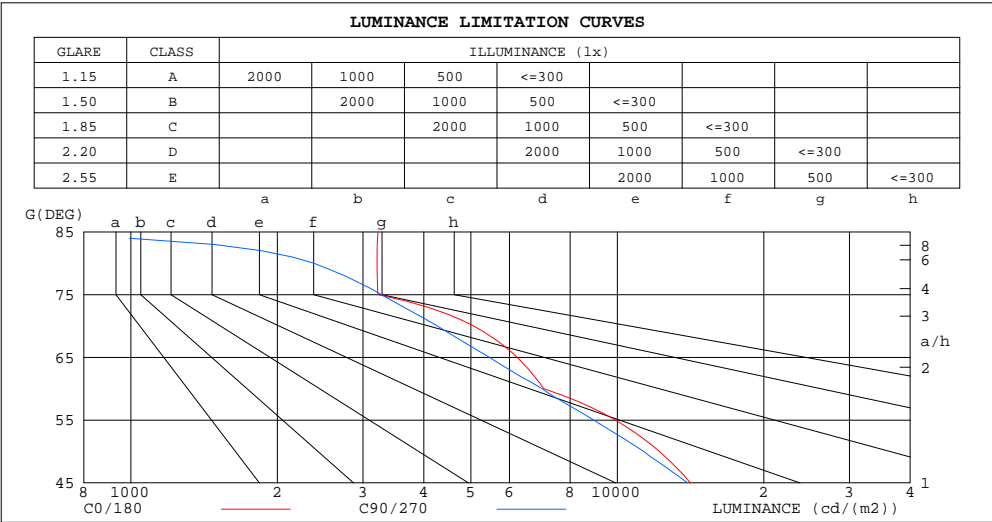
%lamp = 45.3%

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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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	3221	357
80	3207	2378
75	3218	3277
70	5063	4265
65	6223	5457
60	7057	6999
55	9912	8939
50	12200	11336
45	14140	13949

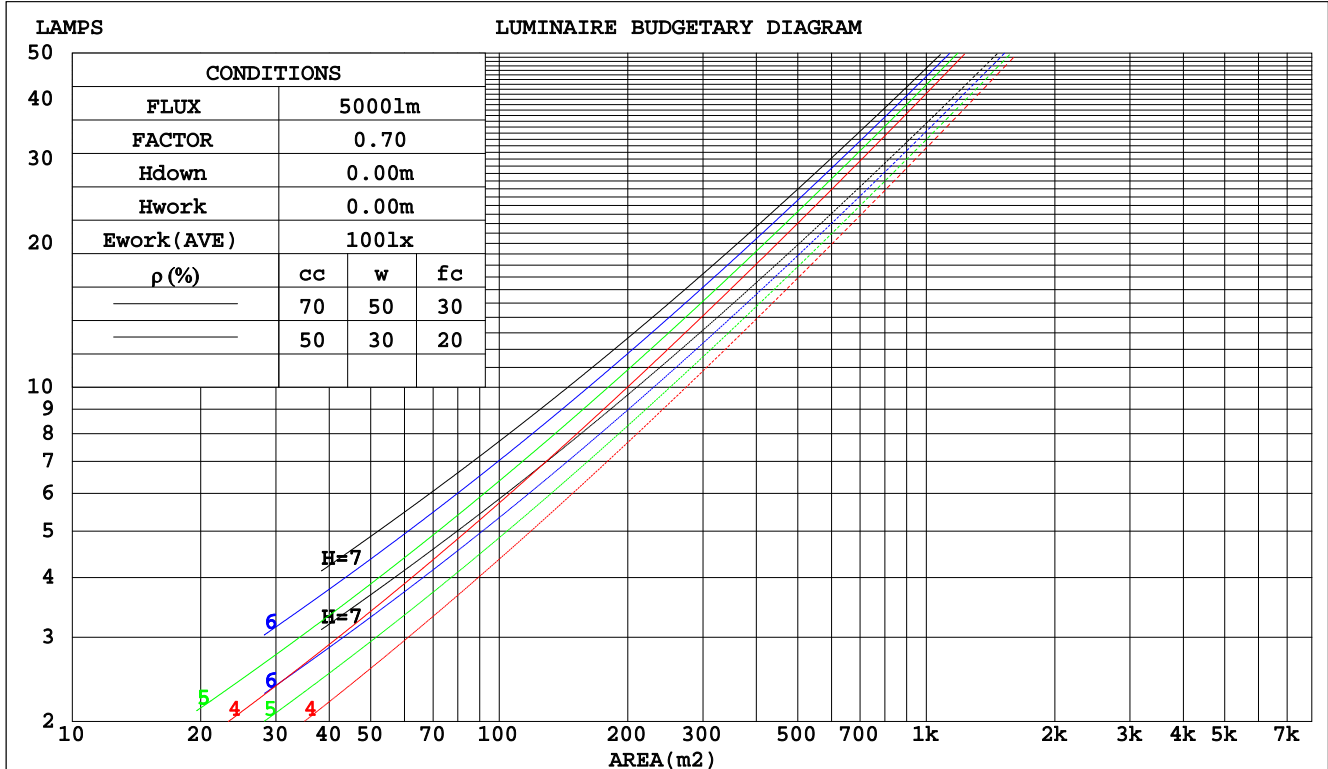
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:17 October 2024

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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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	.98	.98	.98	.82	.82	.82	.68	.68	.68	.54	.54	.54	.48
1.0	.95	.92	.89	.88	.85	.83	.74	.73	.71	.62	.61	.60	.51	.50	.49	.44
2.0	.85	.80	.75	.79	.74	.71	.67	.64	.61	.57	.54	.52	.47	.45	.44	.39
3.0	.76	.70	.65	.71	.66	.61	.61	.57	.54	.52	.49	.47	.43	.41	.40	.36
4.0	.69	.62	.57	.64	.58	.54	.56	.51	.48	.47	.44	.42	.40	.38	.36	.32
5.0	.63	.56	.50	.59	.52	.48	.51	.46	.43	.44	.40	.38	.37	.35	.33	.30
6.0	.57	.50	.45	.54	.47	.43	.47	.42	.38	.40	.37	.34	.34	.32	.30	.27
7.0	.53	.45	.40	.49	.43	.39	.43	.38	.35	.38	.34	.31	.32	.30	.28	.25
8.0	.48	.41	.37	.46	.39	.35	.40	.35	.32	.35	.31	.29	.30	.28	.26	.23
9.0	.45	.38	.34	.42	.36	.32	.37	.33	.29	.33	.29	.27	.29	.26	.24	.22
10.0	.42	.35	.31	.39	.34	.30	.35	.30	.27	.31	.27	.25	.27	.24	.22	.21



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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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	.237	.135	.043	.215	.123	.039	.173	.099	.032	.134	.077	.025	.098	.057	.018		
2.0	.223	.122	.037	.202	.111	.034	.164	.091	.028	.129	.072	.023	.096	.054	.017		
3.0	.208	.111	.033	.189	.101	.031	.154	.084	.025	.122	.067	.021	.092	.051	.016		
4.0	.194	.101	.030	.177	.093	.027	.145	.077	.023	.115	.062	.019	.088	.048	.015		
5.0	.182	.093	.027	.166	.085	.025	.136	.071	.021	.109	.058	.017	.083	.045	.013		
6.0	.170	.085	.024	.156	.079	.023	.129	.066	.019	.103	.054	.016	.079	.042	.012		
7.0	.160	.079	.022	.147	.073	.021	.121	.061	.018	.098	.050	.015	.075	.039	.012		
8.0	.151	.074	.021	.138	.068	.019	.115	.057	.016	.093	.047	.014	.072	.037	.011		
9.0	.142	.069	.019	.131	.064	.018	.109	.054	.015	.088	.044	.013	.069	.035	.010		
10.0	.135	.065	.018	.124	.060	.017	.103	.051	.014	.084	.042	.012	.065	.033	.009		

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	.585	.585	.585	.500	.500	.500	.341	.341	.341	.196	.196	.196	.063	.063	.063	
1.0	.573	.555	.538	.490	.476	.463	.335	.327	.320	.193	.189	.186	.062	.061	.060	
2.0	.563	.533	.507	.483	.458	.438	.331	.317	.306	.191	.185	.179	.061	.060	.058	
3.0	.555	.516	.486	.476	.446	.421	.327	.309	.295	.189	.181	.174	.061	.059	.057	
4.0	.548	.504	.471	.470	.436	.409	.323	.304	.288	.187	.178	.170	.060	.058	.056	
5.0	.541	.494	.460	.464	.428	.400	.320	.299	.283	.185	.175	.168	.060	.057	.055	
6.0	.534	.487	.452	.459	.421	.394	.317	.295	.279	.184	.174	.166	.059	.057	.055	
7.0	.529	.480	.446	.455	.416	.389	.314	.292	.276	.183	.172	.164	.059	.056	.054	
8.0	.523	.475	.442	.450	.412	.385	.312	.289	.273	.181	.171	.163	.059	.056	.054	
9.0	.518	.471	.438	.446	.408	.382	.309	.287	.272	.180	.170	.162	.058	.056	.054	
10.0	.514	.467	.436	.443	.405	.380	.307	.285	.270	.179	.169	.161	.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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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		15.5	16.3	16.4	17.1	18.2	15.1	15.9	16.0	16.8	17.8
3H		15.8	16.6	16.7	17.4	18.5	15.3	16.1	16.2	16.9	18.1
4H		15.9	16.5	16.8	17.4	18.6	15.4	16.0	16.3	16.9	18.1
6H		15.8	16.4	16.8	17.4	18.5	15.3	15.9	16.2	16.8	18.0
8H		15.8	16.4	16.7	17.3	18.5	15.2	15.8	16.2	16.7	17.9
12H		15.8	16.3	16.7	17.3	18.4	15.2	15.7	16.1	16.6	17.8
4H 2H		15.4	16.1	16.3	17.0	18.1	15.1	15.8	16.0	16.6	17.8
3H		15.9	16.4	16.8	17.4	18.6	15.4	16.0	16.4	16.9	18.1
4H		15.9	16.4	16.9	17.4	18.6	15.5	16.0	16.4	16.9	18.2
6H		16.0	16.4	16.9	17.4	18.6	15.5	15.9	16.4	16.9	18.1
8H		16.0	16.4	17.0	17.3	18.6	15.4	15.8	16.4	16.8	18.1
12H		15.9	16.3	17.0	17.3	18.6	15.3	15.7	16.3	16.7	18.0
8H 4H		15.8	16.2	16.8	17.2	18.4	15.3	15.7	16.3	16.7	18.0
6H		15.9	16.2	16.9	17.2	18.5	15.4	15.7	16.4	16.7	18.0
8H		15.9	16.2	16.9	17.2	18.5	15.3	15.6	16.3	16.6	17.9
12H		15.9	16.2	17.0	17.2	18.5	15.2	15.5	16.3	16.5	17.9
12H 4H		15.7	16.1	16.7	17.1	18.3	15.3	15.6	16.3	16.6	17.9
6H		15.8	16.1	16.8	17.1	18.4	15.3	15.6	16.3	16.6	17.9
8H		15.8	16.1	16.9	17.1	18.5	15.3	15.5	16.3	16.5	17.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.7 / - 0.9				+ 0.8 / - 1.0					
1.5H		+ 0.6 / - 0.5				+ 0.6 / - 0.5					
2.0H		+ 1.4 / - 1.7				+ 1.7 / - 1.6					

CIE Pub.117, 3388 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

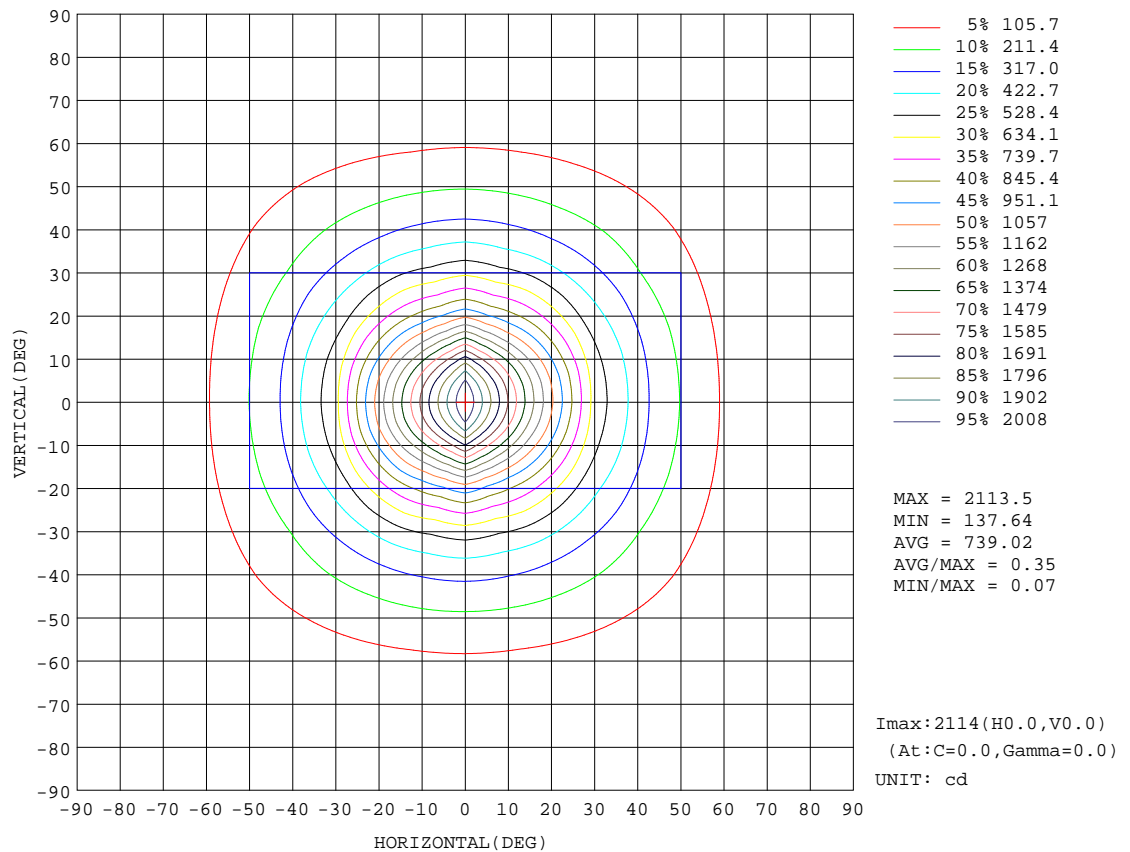
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	43	37	49	41	36	45	38	34	27
0.80	61	51	45	58	49	44	51	45	41	31
1.00	68	58	52	64	55	50	56	51	46	34
1.25	74	65	59	69	61	56	61	55	51	37
1.50	79	70	64	73	66	61	64	58	55	39
2.00	84	77	71	79	72	67	68	63	60	41
2.50	88	81	76	82	76	71	70	66	63	42
3.00	91	85	80	84	79	75	72	68	65	43
4.00	95	90	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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

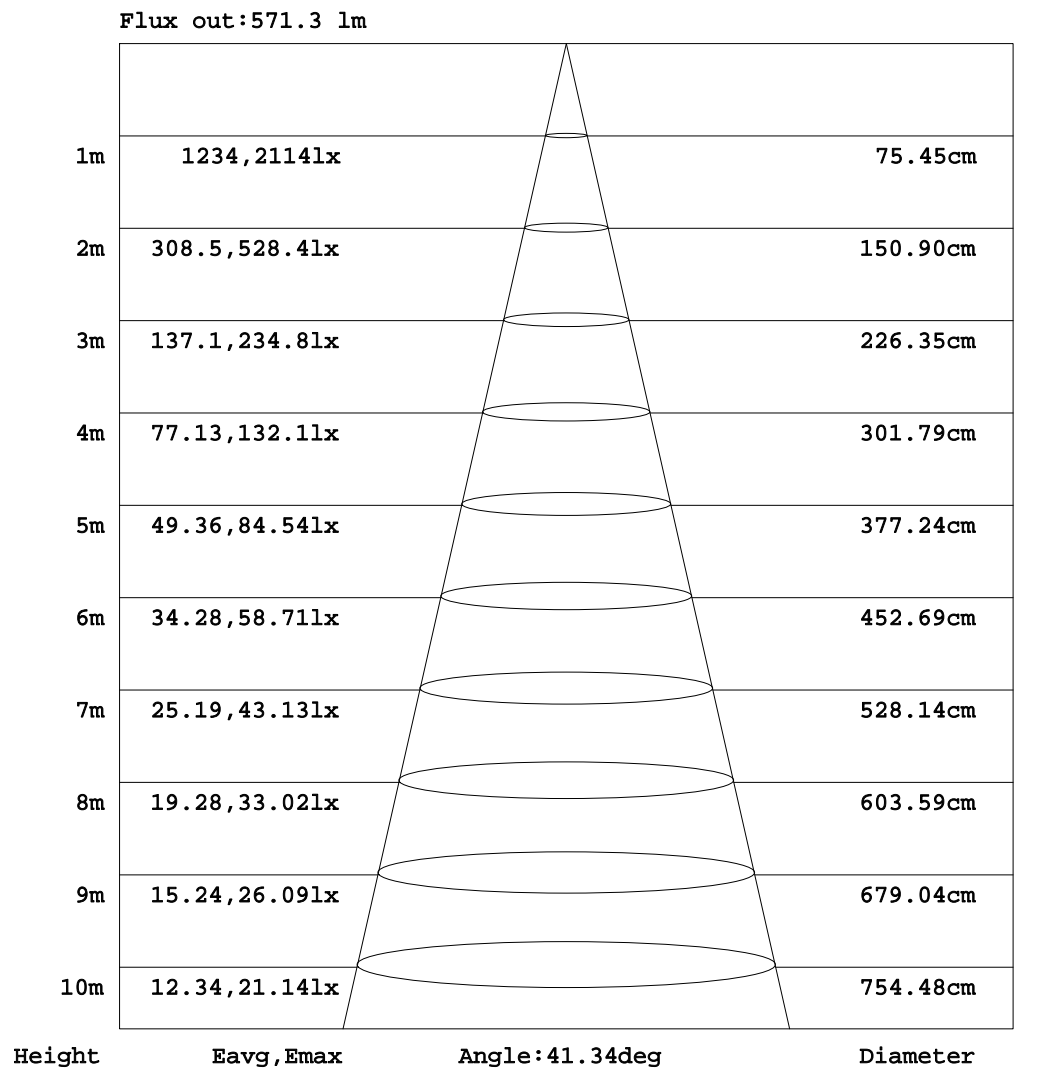


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 October 2024

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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

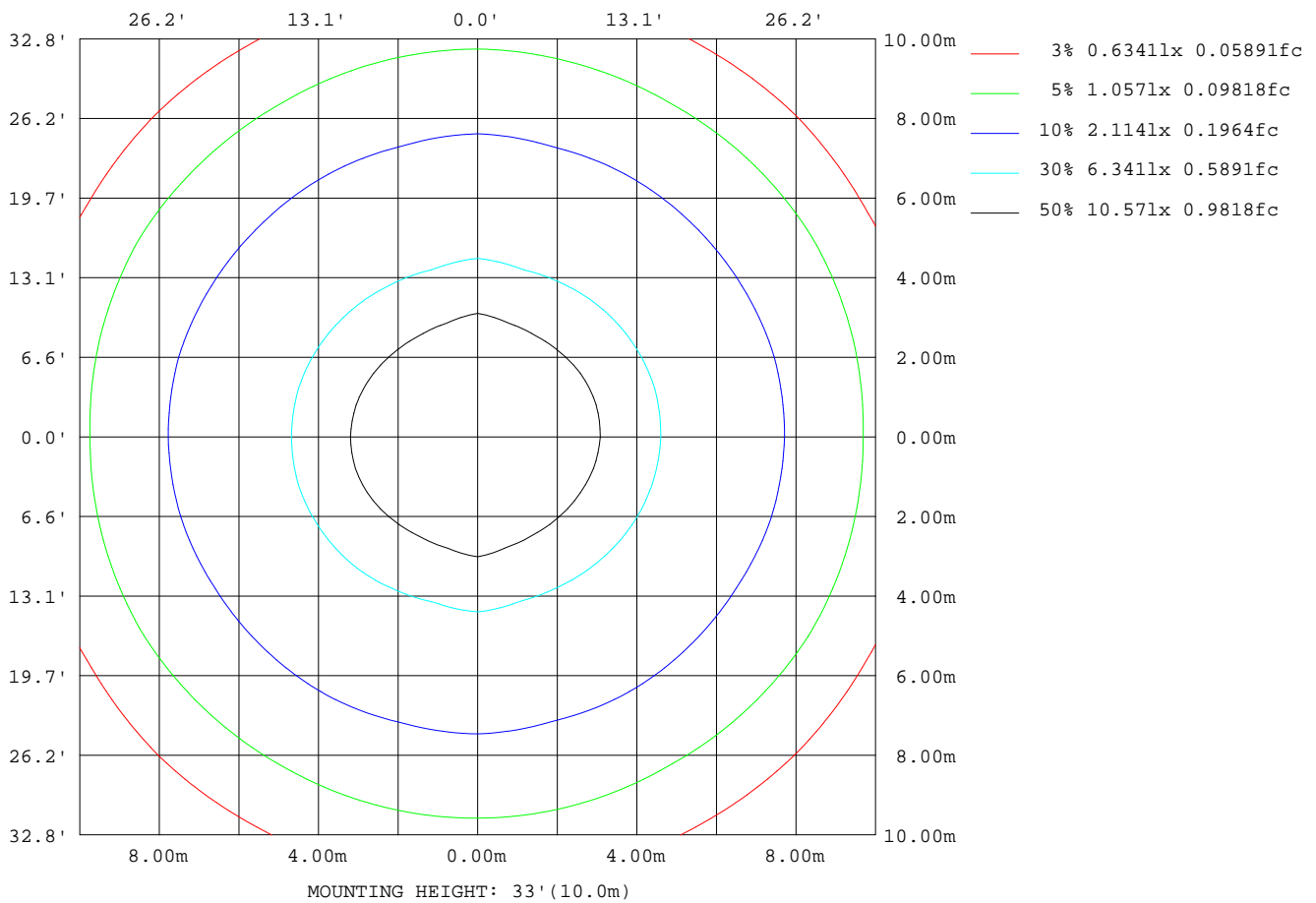


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 17 October 2024

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:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

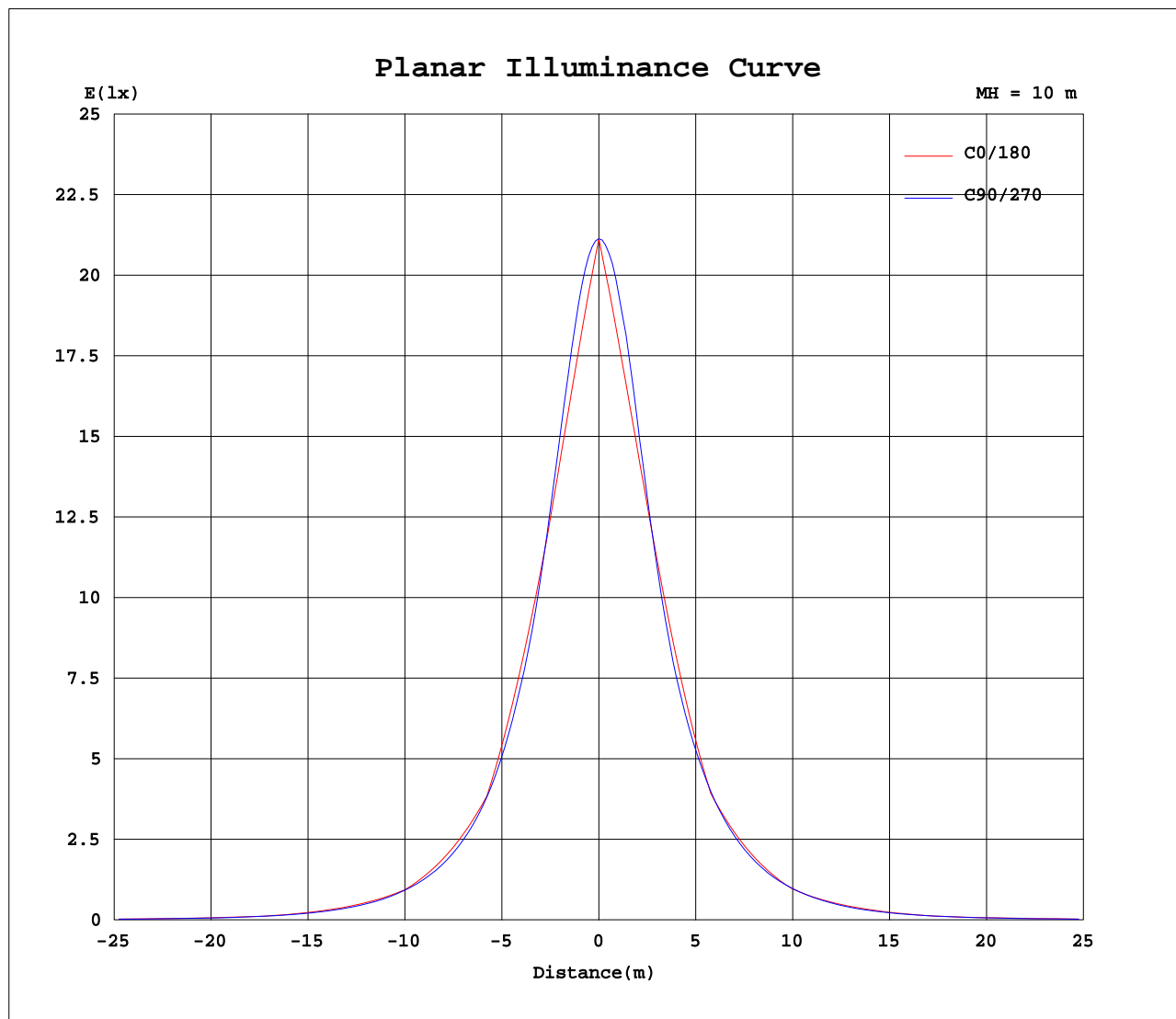
AvgL	cd/m2
L_0~180(65)av	6355
L_0~180(75)av	3325
L_0~180(85)av	3324
L_90~270(65)av	5635
L_90~270(75)av	3367
L_90~270(85)av	595
L_45(65)av	5916
L_45(75)av	3739
L_45(85)av	2589

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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114
5	1847	1846	1852	1867	1893	1934	1991	1939	1903	1881	1868	1863	1862	1865	1872	1890	1918	1958	2013
10	1580	1570	1561	1553	1564	1605	1686	1615	1585	1584	1597	1607	1611	1607	1601	1598	1615	1655	1735
15	1313	1295	1267	1245	1234	1253	1324	1266	1260	1285	1324	1353	1360	1349	1322	1293	1279	1296	1368
20	1072	1051	1015	983	953	954	1007	966	983	1030	1063	1100	1108	1094	1059	1028	994	990	1041
25	832	815	792	766	750	735	771	744	773	801	827	852	857	852	830	802	780	764	798
30	591	596	600	593	586	565	587	572	603	614	622	616	605	623	631	620	615	593	615
35	483	472	453	453	448	437	451	443	457	466	466	485	493	492	476	476	471	460	473
40	374	369	358	345	342	339	344	343	350	355	367	378	382	384	376	364	360	358	363
45	265	268	271	266	260	262	262	264	265	271	276	274	271	279	285	279	274	276	275
50	208	204	197	197	195	192	193	193	196	199	199	208	213	214	206	207	205	203	203
55	151	150	147	137	138	134	136	135	140	138	149	153	155	158	155	146	147	142	144
60	93.6	96.6	101	98.2	93.8	91.0	92.8	92.4	95.2	99.4	102	98.5	97.3	102	107	105	101	96.6	98.2
65	69.8	68.3	63.8	64.3	61.8	60.8	61.2	61.4	63.0	65.5	65.2	70.1	72.7	72.6	68.7	69.6	67.0	63.4	65.2
70	45.9	45.4	43.7	40.0	39.1	38.1	38.7	38.9	40.6	41.2	45.3	47.2	48.2	48.6	47.3	44.2	42.6	38.4	41.2
75	22.1	22.8	24.4	24.3	21.8	21.9	22.5	23.0	23.5	25.8	26.1	24.6	23.6	24.8	26.8	27.2	23.8	20.4	23.7
80	14.8	14.2	13.0	10.9	10.3	10.5	11.0	11.2	11.5	12.5	14.4	15.4	15.7	15.5	14.5	12.7	11.4	7.89	11.7
85	7.45	7.15	6.53	5.47	3.44	1.69	0.83	1.81	3.99	6.24	7.26	7.75	7.92	7.81	7.27	6.33	3.86	0.98	1.92
90	0.12	0.12	0.14	0.19	0.23	0.25	0.25	0.23	0.20	0.16	0.12	0.10	0.10	0.11	0.11	0.13	0.17	0.22	0.11
95	8.88	8.93	8.50	7.35	4.93	2.34	2.36	2.78	5.36	7.32	8.41	8.93	9.10	8.90	8.31	7.06	4.58	2.03	0.85
100	17.6	17.7	16.9	14.7	14.0	13.9	14.4	14.4	14.5	14.7	16.8	17.8	18.1	17.7	16.6	14.2	13.2	12.7	12.2
105	26.4	28.3	30.6	30.9	28.5	28.3	28.8	28.8	28.9	31.4	30.9	28.4	27.1	28.2	30.0	29.6	26.8	26.0	25.3
110	53.9	54.2	53.1	49.6	49.6	48.4	49.1	49.1	50.3	50.9	54.6	55.5	55.1	54.1	51.9	47.6	46.4	44.1	43.4
115	81.4	80.4	76.6	78.1	76.8	76.3	77.2	77.0	78.0	80.3	79.1	82.9	83.2	80.3	74.7	75.3	72.2	70.3	69.2
120	109	113	119	118	115	114	115	114	116	121	123	117	111	113	116	114	109	105	105
125	173	174	173	163	166	164	167	165	168	167	177	179	177	174	168	158	158	154	154
130	237	237	230	233	232	231	234	232	234	235	236	242	242	237	225	225	221	218	218
135	301	309	318	315	310	312	314	312	309	316	323	317	307	311	312	305	296	297	294
140	423	426	422	410	407	404	410	403	405	409	425	433	431	426	413	396	391	385	387
145	545	545	533	535	531	518	532	516	529	532	536	552	555	544	522	519	513	496	505
150	667	682	692	688	687	662	685	661	684	685	691	687	679	678	677	668	662	636	654
155	889	897	886	874	855	833	864	831	849	865	879	895	901	887	866	845	826	803	832
160	1111	1120	1107	1090	1054	1045	1087	1041	1045	1070	1092	1113	1123	1107	1079	1052	1009	1000	1037
165	1332	1347	1341	1319	1303	1317	1376	1312	1293	1307	1325	1336	1345	1333	1304	1269	1243	1248	1297
170	1563	1574	1581	1591	1601	1635	1704	1632	1595	1582	1574	1571	1572	1561	1547	1530	1528	1551	1609
175	1794	1803	1817	1838	1866	1902	1952	1901	1864	1836	1815	1805	1799	1794	1795	1802	1820	1850	1896
180	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025

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:0.1973A P:23.62W PF:0.9977 Freq:60.00Hz Lamp Flux:3388.46x1 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	2114	2114	2114	2114	2114													
5	1955	1913	1882	1861	1850													
10	1654	1612	1590	1587	1581													
15	1296	1276	1289	1309	1318													
20	989	995	1023	1053	1073													
25	762	780	802	821	836													
30	591	612	619	623	611													
35	458	468	472	470	483													
40	355	356	361	371	377													
45	272	270	275	278	273													
50	200	199	201	199	207													
55	140	142	139	148	151													
60	97.4	97.4	100	102	96.6													
65	66.5	64.7	65.9	64.6	68.3													
70	44.0	41.9	41.3	44.6	45.7													
75	27.9	24.4	25.4	25.3	23.4													
80	16.1	12.5	11.8	13.7	14.6													
85	6.36	4.75	5.90	6.90	7.36													
90	0.21	0.15	0.12	0.11	0.11													
95	1.78	3.83	6.27	7.62	8.48													
100	11.6	11.7	12.6	15.2	16.9													
105	24.4	24.8	28.0	28.4	27.0													
110	42.8	44.5	46.1	50.8	53.2													
115	68.5	69.9	73.6	74.0	79.5													
120	103	106	112	115	112													
125	151	155	156	167	172													
130	214	217	220	222	233													
135	290	288	296	304	304													
140	376	379	385	401	416													
145	487	498	503	507	531													
150	627	648	649	658	663													
155	795	809	824	843	868													
160	991	993	1026	1047	1083													
165	1241	1228	1246	1275	1308													
170	1545	1516	1515	1530	1547													
175	1848	1815	1796	1788	1788													
180	2025	2025	2025	2025	2025													

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: