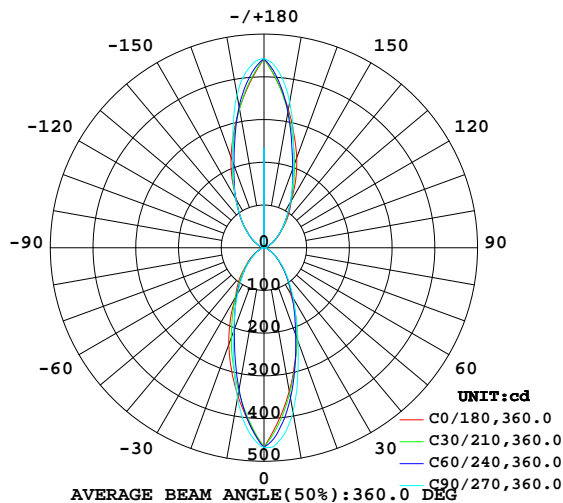


LUMINAIRE PHOTOMETRIC TEST REPORT

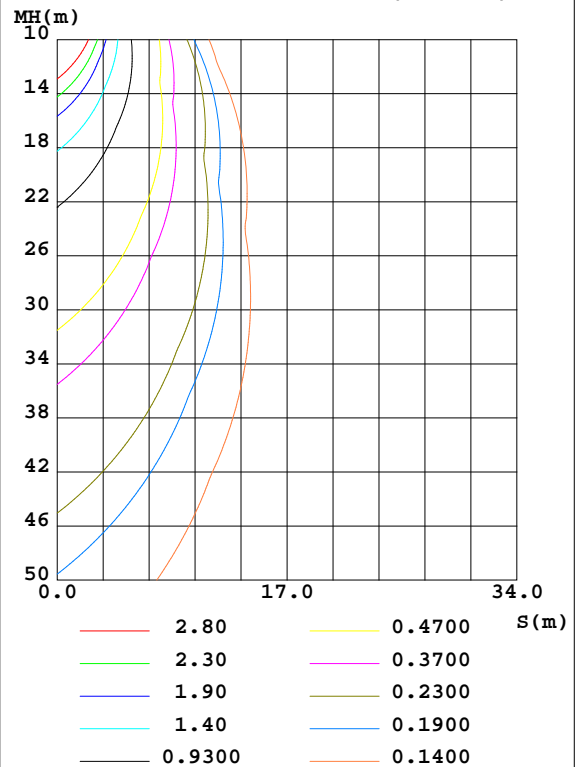
Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.82 lm/W			
MODEL	INDF5010UNHD8SC2R3BZP	I _{max} (cd)	468.1	S/MH(C0/180)	0.63
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	690.50	η UP,DN(C0-180)	24.2,26.1
NOMINAL FLUX(lm)	690.498	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.1,24.5
LAMPS INSIDE	1	η up(%)	49.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	50.7	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: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
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	341.1	350.9	390.6	357.2	352.3	338.2	357.6	330.1	0- 10	37.59	37.59	5.44,5.44
20	227.2	220.6	233.0	228.9	241.0	214.0	208.9	203.2	10- 20	77.79	115.4	16.7,16.7
30	124.9	133.0	137.3	139.2	132.8	129.5	124.0	124.3	20- 30	78.55	193.9	28.1,28.1
40	78.88	77.41	81.14	81.65	83.91	76.41	73.73	72.58	30- 40	63.46	257.4	37.3,37.3
50	43.40	43.16	44.57	45.95	46.36	42.06	39.42	39.86	40- 50	45.36	302.7	43.8,43.8
60	18.43	21.02	20.79	22.74	20.20	20.14	17.92	18.83	50- 60	27.32	330.1	47.8,47.8
70	8.902	8.411	8.533	9.181	9.842	7.901	6.801	7.199	60- 70	13.32	343.4	49.7,49.7
80	2.765	2.490	2.699	2.790	3.117	2.214	1.809	1.911	70- 80	5.241	348.6	50.5,50.5
90	0.0238	0.0383	0.0520	0.0336	0.0190	0.0273	0.0224	0.0273	80- 90	1.251	349.9	50.7,50.7
100	2.715	1.936	1.859	2.020	2.797	2.238	2.092	2.153	90-100	1.125	351.0	50.8,50.8
110	9.214	7.735	7.337	7.842	9.293	8.421	7.664	8.286	100-110	5.004	356.0	51.6,51.6
120	19.52	20.16	19.25	20.36	19.51	21.70	20.30	21.60	110-120	13.35	369.4	53.5,53.5
130	44.72	41.97	41.39	42.00	44.66	44.61	44.12	44.01	120-130	27.64	397.0	57.5,57.5
140	80.53	75.42	74.69	74.59	80.46	79.12	79.42	77.78	130-140	45.35	442.4	64.1,64.1
150	126.9	126.4	124.5	125.0	126.9	131.7	132.9	131.0	140-150	62.70	505.1	73.1,73.1
160	224.1	202.2	202.5	202.6	225.8	210.6	214.6	209.6	150-160	75.90	580.9	84.1,84.1
170	329.3	321.6	346.4	321.7	331.1	331.7	363.7	330.1	160-170	73.89	654.8	94.8,94.8
180	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	170-180	35.66	690.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 282.51 lm

%lum = 40.9%

%lamp = 40.9%

Conical surface Flux(120deg): 330.07 lm

%lum = 47.8%

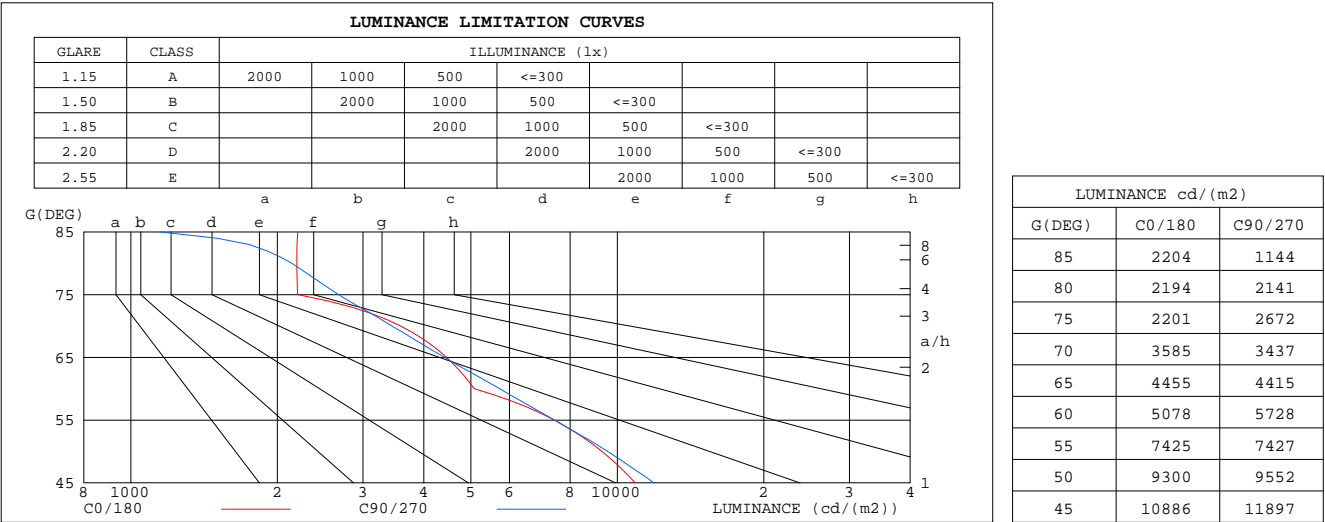
%lamp = 47.8%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



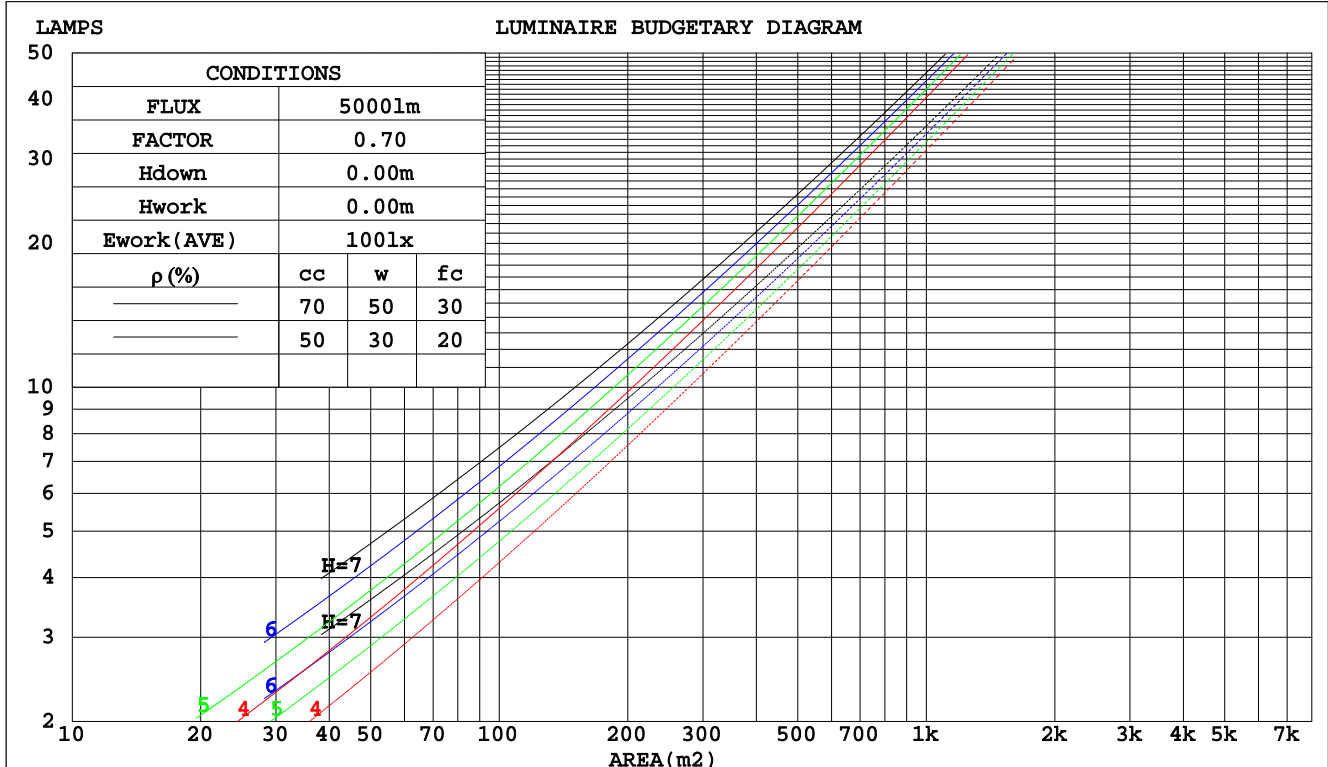
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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	.96	.93	.90	.89	.86	.84	.76	.74	.72	.64	.63	.61	.53	.52	.51	.46
2.0	.86	.81	.76	.80	.75	.72	.69	.65	.63	.58	.56	.54	.49	.47	.46	.42
3.0	.77	.71	.66	.72	.67	.62	.62	.58	.55	.53	.51	.48	.45	.43	.41	.38
4.0	.70	.63	.58	.65	.59	.55	.57	.52	.49	.49	.46	.43	.42	.39	.38	.34
5.0	.64	.56	.51	.60	.53	.49	.52	.47	.44	.45	.42	.39	.39	.36	.34	.31
6.0	.58	.51	.46	.55	.48	.44	.48	.43	.40	.42	.38	.36	.36	.34	.32	.29
7.0	.53	.46	.41	.50	.44	.40	.44	.40	.36	.39	.35	.33	.34	.31	.29	.27
8.0	.49	.42	.38	.47	.40	.36	.41	.36	.33	.36	.33	.30	.32	.29	.27	.25
9.0	.46	.39	.34	.43	.37	.33	.39	.34	.30	.34	.30	.28	.30	.27	.25	.23
10.0	.42	.36	.32	.40	.34	.30	.36	.31	.28	.32	.28	.26	.28	.26	.24	.22



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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	.235	.134	.042	.214	.122	.039	.173	.099	.032	.135	.078	.025	.101	.058	.019		
2.0	.221	.121	.037	.201	.111	.034	.164	.091	.028	.130	.073	.023	.099	.056	.018		
3.0	.206	.110	.033	.188	.101	.030	.155	.084	.025	.124	.068	.021	.095	.052	.016		
4.0	.193	.100	.029	.177	.092	.027	.146	.077	.023	.117	.063	.019	.090	.049	.015		
5.0	.181	.092	.027	.166	.085	.025	.137	.071	.021	.111	.058	.017	.086	.046	.014		
6.0	.169	.085	.024	.156	.079	.023	.129	.066	.019	.105	.054	.016	.082	.043	.013		
7.0	.159	.079	.022	.146	.073	.021	.122	.062	.018	.099	.051	.015	.078	.040	.012		
8.0	.150	.073	.021	.138	.068	.019	.116	.058	.016	.094	.048	.014	.074	.038	.011		
9.0	.142	.069	.019	.131	.064	.018	.110	.054	.015	.090	.045	.013	.071	.036	.010		
10.0	.134	.064	.018	.124	.060	.017	.104	.051	.014	.085	.042	.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	.566	.566	.566	.484	.484	.484	.330	.330	.330	.190	.190	.190	.061	.061	.061	
1.0	.554	.536	.519	.474	.460	.447	.324	.316	.309	.187	.183	.180	.060	.059	.058	
2.0	.544	.514	.488	.466	.442	.422	.319	.306	.294	.184	.178	.173	.059	.058	.056	
3.0	.536	.497	.467	.459	.429	.405	.315	.298	.284	.182	.174	.167	.059	.057	.055	
4.0	.528	.485	.452	.453	.419	.393	.312	.292	.276	.180	.171	.164	.058	.056	.054	
5.0	.521	.475	.441	.448	.411	.384	.308	.287	.271	.179	.169	.161	.058	.055	.053	
6.0	.515	.467	.433	.443	.405	.377	.305	.283	.267	.177	.167	.159	.057	.054	.052	
7.0	.509	.461	.427	.438	.400	.372	.303	.280	.264	.176	.165	.157	.057	.054	.052	
8.0	.504	.456	.423	.434	.395	.369	.300	.278	.261	.175	.164	.156	.056	.054	.052	
9.0	.499	.451	.419	.430	.392	.366	.298	.275	.260	.173	.163	.155	.056	.053	.051	
10.0	.494	.447	.416	.426	.388	.363	.295	.273	.258	.172	.162	.154	.056	.053	.051	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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	14.8	15.6	15.6	16.4	17.4	14.8	15.7	15.7	16.5	17.5	
	3H	15.1	15.8	15.9	16.6	17.7	15.1	15.8	15.9	16.6	17.7
	4H	15.1	15.7	16.0	16.6	17.7	15.1	15.7	16.0	16.6	17.7
	6H	15.0	15.6	15.9	16.5	17.6	15.0	15.6	15.9	16.5	17.7
	8H	15.0	15.6	15.9	16.5	17.6	15.0	15.6	15.9	16.5	17.6
	12H	14.9	15.5	15.9	16.4	17.6	14.9	15.5	15.8	16.4	17.5
4H	2H	14.7	15.4	15.6	16.3	17.4	14.8	15.4	15.7	16.3	17.4
	3H	15.1	15.7	16.0	16.6	17.7	15.1	15.7	16.0	16.6	17.7
	4H	15.1	15.7	16.1	16.6	17.8	15.1	15.7	16.1	16.6	17.8
	6H	15.1	15.6	16.1	16.5	17.7	15.1	15.6	16.1	16.5	17.8
	8H	15.1	15.5	16.1	16.5	17.7	15.1	15.5	16.1	16.5	17.7
	12H	15.1	15.5	16.1	16.4	17.7	15.0	15.4	16.0	16.4	17.6
8H	4H	15.0	15.4	16.0	16.4	17.6	15.0	15.4	16.0	16.4	17.6
	6H	15.0	15.4	16.0	16.4	17.6	15.1	15.4	16.1	16.4	17.6
	8H	15.1	15.3	16.1	16.3	17.6	15.0	15.3	16.1	16.3	17.6
	12H	15.1	15.3	16.1	16.3	17.7	15.0	15.2	16.0	16.2	17.6
12H	4H	14.9	15.3	15.9	16.3	17.5	14.9	15.3	15.9	16.3	17.5
	6H	15.0	15.3	16.0	16.3	17.6	15.0	15.3	16.0	16.3	17.6
	8H	15.0	15.3	16.0	16.3	17.6	15.0	15.2	16.0	16.2	17.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 1.1					+ 0.8 / - 1.1					
1.5H	+ 0.7 / - 0.4					+ 0.7 / - 0.6					
2.0H	+ 1.5 / - 1.9					+ 1.8 / - 1.7					

CIE Pub.117, 690.5 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.3$)
Area: 0.00725968 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

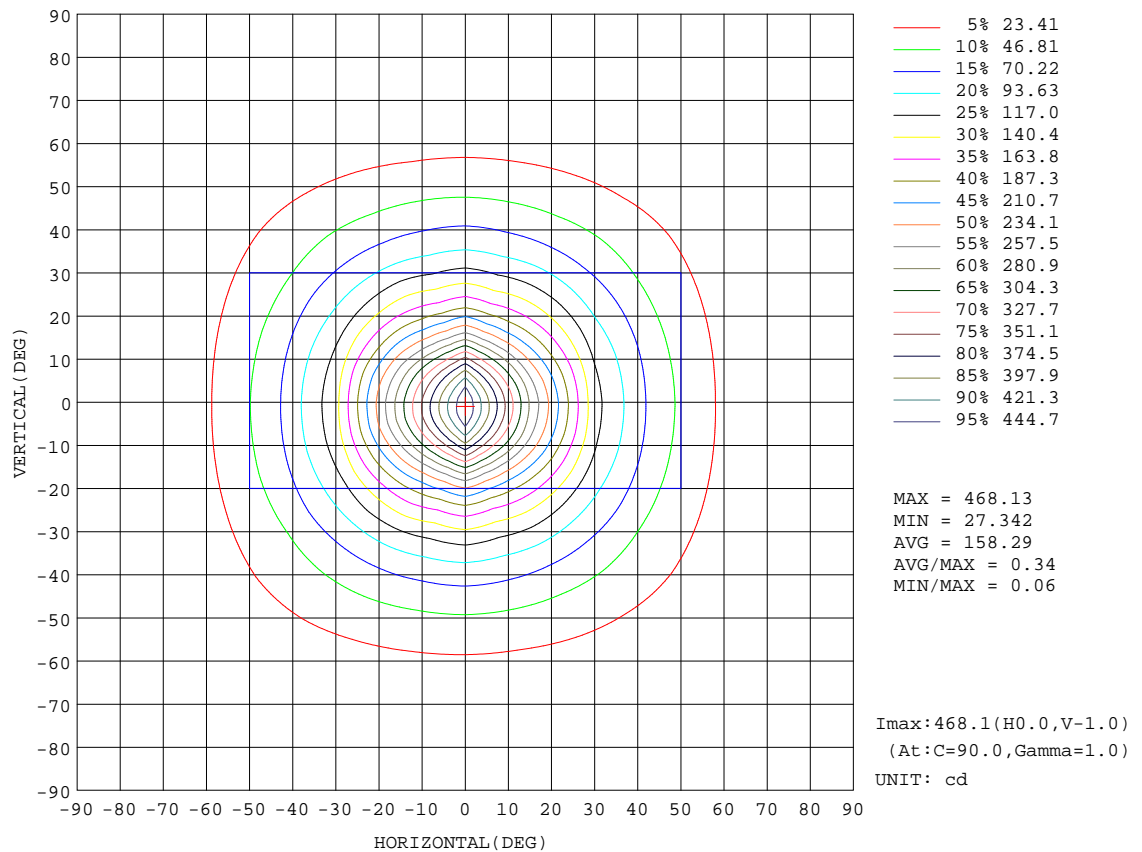
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	44	39	51	43	38	46	40	36	28
0.80	62	53	47	59	51	45	53	46	42	33
1.00	69	60	54	65	57	52	58	52	48	36
1.25	75	66	60	71	63	58	62	57	53	39
1.50	80	71	65	75	67	62	65	60	56	41
2.00	86	78	72	80	73	68	69	65	61	43
2.50	89	82	77	83	77	73	72	68	64	44
3.00	92	86	81	86	80	76	74	70	67	46
4.00	96	90	86	89	84	81	76	73	71	47
5.00	98	94	90	91	87	84	77	75	73	48
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: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

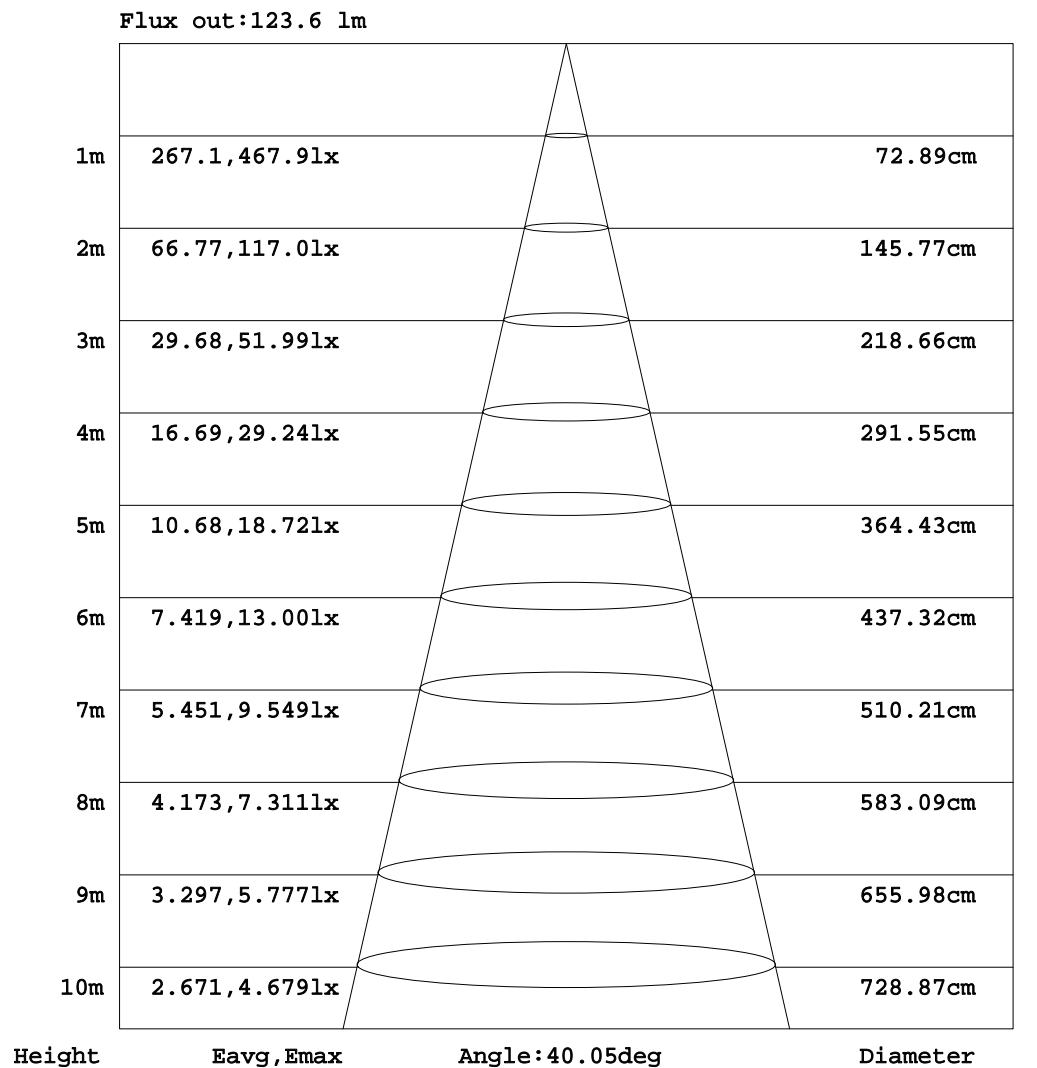


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

AAI Figure

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

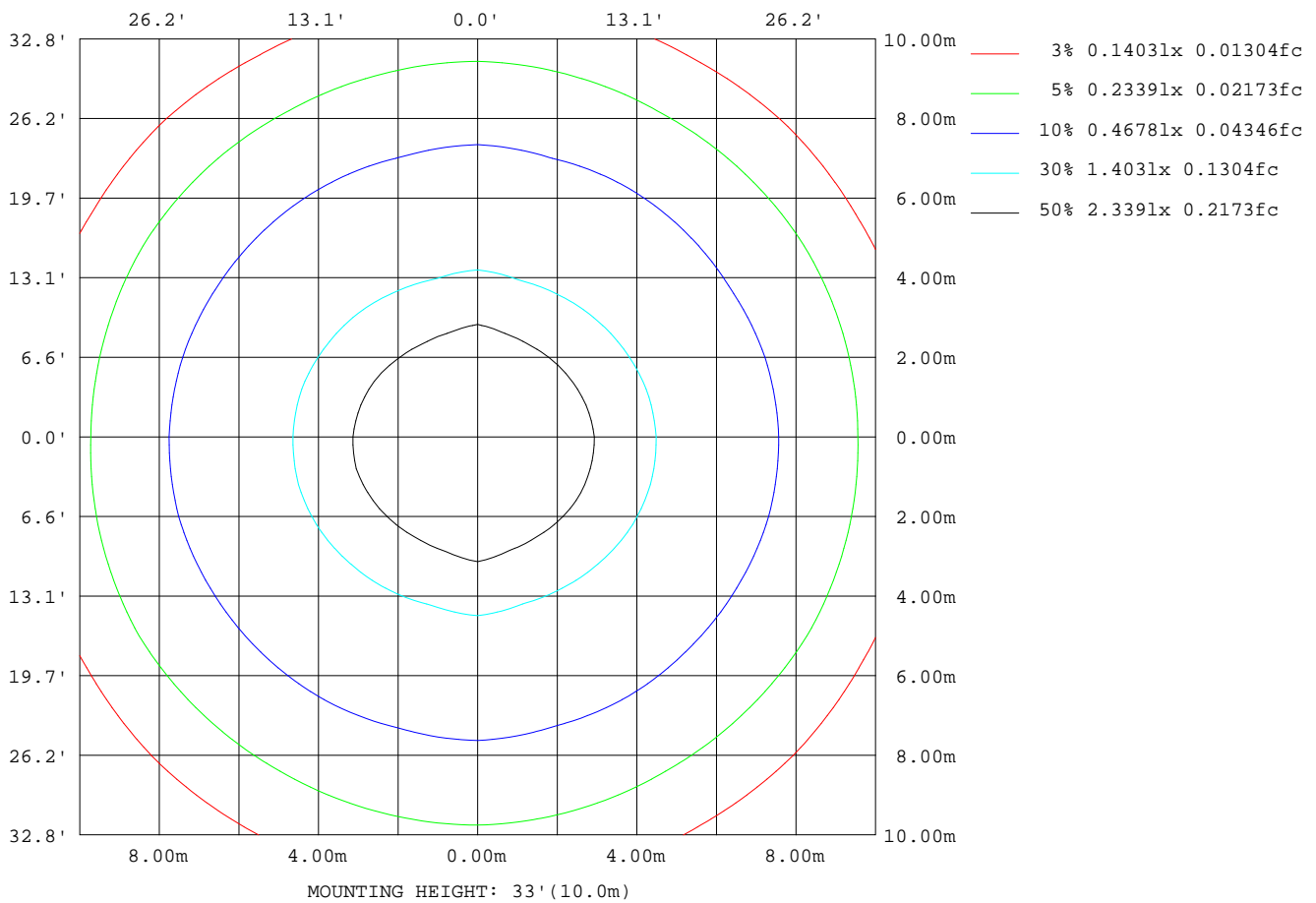


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0461]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

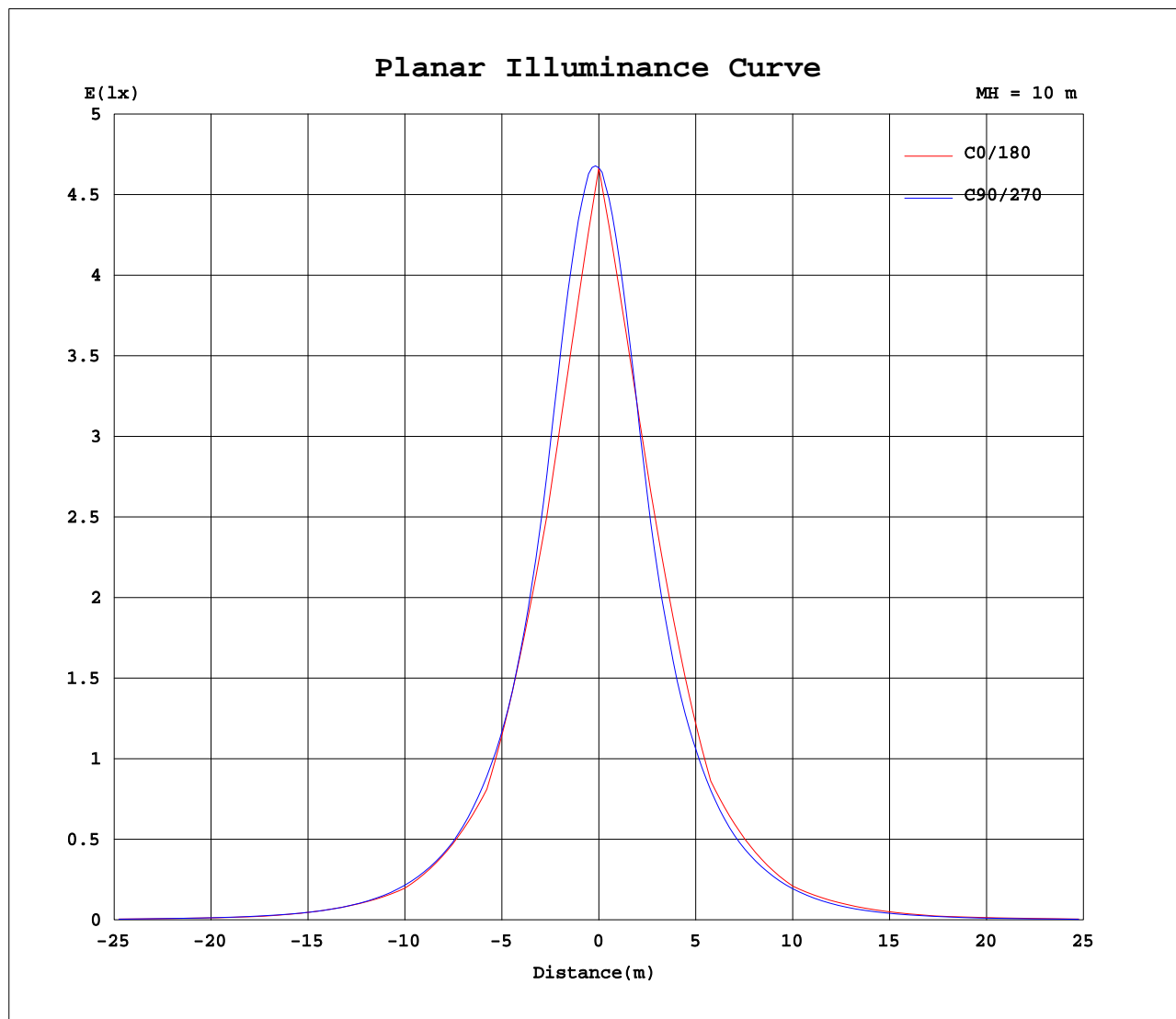
AvgL	cd/m2
L_0~180(65)av	4675
L_0~180(75)av	2342
L_0~180(85)av	2341
L_90~270(65)av	4048
L_90~270(75)av	2348
L_90~270(85)av	720
L_45(65)av	4341
L_45(75)av	2674
L_45(85)av	1866

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
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: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467
5	404	407	411	417	425	436	450	437	428	421	417	413	409	407	405	407	411	418	429
10	341	344	346	351	358	370	391	372	362	357	356	356	352	346	342	338	337	343	358
15	278	280	283	282	282	289	307	291	287	289	294	298	295	288	281	270	263	262	274
20	227	228	226	221	217	220	233	222	222	229	235	242	241	235	224	214	204	201	209
25	176	178	176	172	170	167	177	170	175	179	184	188	187	183	175	168	161	155	160
30	125	130	133	133	133	131	137	132	138	139	141	138	133	134	133	129	127	121	124
35	102	102	101	101	102	101	106	103	106	107	107	109	108	106	101	99.5	96.8	93.4	95.3
40	78.9	79.6	79.2	77.4	77.9	78.6	81.1	79.5	81.1	81.6	83.9	84.9	83.9	82.1	79.4	76.4	73.9	72.9	73.7
45	55.9	57.5	59.3	59.0	58.9	59.9	61.1	61.1	61.3	62.4	63.4	61.6	59.4	59.3	59.5	57.8	55.6	55.1	54.9
50	43.4	43.4	42.4	43.2	43.1	43.7	44.6	44.4	45.5	46.0	45.5	46.7	46.4	45.0	42.5	42.1	40.4	39.4	39.4
55	30.9	31.5	31.4	29.6	30.6	30.2	30.9	31.1	32.1	31.9	33.9	33.9	33.3	32.7	31.3	28.6	28.2	26.8	26.8
60	18.4	19.8	21.1	21.0	20.6	20.4	20.8	21.0	21.5	22.7	22.9	21.3	20.2	20.5	20.9	20.1	18.6	17.6	17.9
65	13.7	13.8	13.1	13.6	13.3	13.4	13.5	13.8	14.1	14.8	14.4	14.9	15.0	14.3	12.9	12.9	12.0	11.0	11.3
70	8.90	9.11	8.93	8.41	8.52	8.43	8.53	8.71	9.11	9.18	9.87	9.92	9.84	9.46	8.79	7.90	7.37	6.40	6.80
75	4.14	4.44	4.96	5.22	4.86	4.88	5.02	5.09	5.32	5.73	5.54	4.94	4.67	4.63	4.86	4.81	4.03	3.28	3.80
80	2.77	2.75	2.64	2.49	2.63	2.61	2.70	2.75	2.94	2.79	2.98	3.07	3.12	2.87	2.58	2.21	2.01	1.28	1.81
85	1.39	1.38	1.33	1.25	1.10	0.74	0.72	0.85	1.25	1.40	1.50	1.55	1.57	1.44	1.29	1.11	0.73	0.15	0.19
90	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.02
95	1.37	1.29	1.15	0.97	0.73	0.31	0.29	0.39	0.80	1.02	1.19	1.32	1.41	1.36	1.29	1.12	0.95	0.64	0.53
100	2.72	2.56	2.29	1.94	1.98	1.79	1.86	1.95	2.08	2.02	2.38	2.63	2.80	2.71	2.56	2.24	2.37	2.22	2.09
105	4.06	4.17	4.50	4.58	4.01	3.90	3.98	4.02	4.11	4.68	4.64	4.28	4.19	4.41	4.97	5.06	4.54	4.46	4.22
110	9.21	8.96	8.49	7.73	7.48	7.27	7.34	7.38	7.58	7.84	8.68	9.04	9.29	9.38	9.24	8.42	8.34	8.01	7.66
115	14.4	13.8	12.6	12.8	12.0	12.1	12.2	12.2	12.2	13.0	12.9	13.9	14.4	14.4	13.6	13.9	13.5	13.1	12.8
120	19.5	19.8	20.7	20.2	19.0	18.8	19.3	18.8	19.2	20.4	21.0	20.0	19.5	20.6	22.0	21.7	21.0	20.3	20.3
125	32.1	31.6	31.0	28.9	28.8	28.2	28.7	28.4	28.9	29.0	31.2	32.0	32.1	32.7	32.6	30.9	31.5	30.5	30.6
130	44.7	43.7	41.9	42.0	40.9	41.1	41.4	40.8	41.3	42.0	42.0	44.3	44.7	44.7	43.9	44.6	44.3	44.0	44.1
135	57.3	57.7	58.5	57.2	56.0	56.2	56.3	56.0	55.7	57.1	58.3	58.3	57.2	58.8	60.6	60.5	59.8	59.9	59.9
140	80.5	79.5	77.6	75.4	74.0	73.4	74.7	72.8	73.5	74.6	77.2	79.6	80.5	80.8	80.2	79.1	78.7	77.8	79.4
145	104	102	98.5	98.2	96.8	94.0	96.3	93.5	95.5	96.8	97.8	102	104	103	102	103	103	100	103
150	127	128	128	126	125	121	124	119	123	125	128	128	127	130	132	132	132	128	133
155	176	172	165	162	157	152	158	152	155	159	166	172	176	176	171	168	165	161	168
160	224	220	210	202	197	195	203	194	195	203	211	220	226	223	217	211	206	205	215
165	273	269	263	256	252	254	266	254	252	257	263	271	275	274	271	266	264	268	282
170	329	326	324	322	323	330	346	331	324	322	324	328	331	331	330	332	336	346	364
175	386	385	385	387	392	401	412	401	393	388	386	386	387	387	390	394	399	409	421
180	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0420A P:5.01W PF:0.9934 Freq:60.00Hz Lamp Flux:690.498x1 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	467	467	467	467	467														
5	417	408	403	401	402														
10	340	332	330	332	337														
15	260	257	260	266	273														
20	198	198	203	211	221														
25	152	156	160	165	171														
30	119	122	124	126	126														
35	92.4	94.5	95.4	95.3	99.5														
40	71.5	71.8	72.6	74.9	77.5														
45	54.1	53.5	55.0	56.1	56.1														
50	38.8	38.9	39.9	39.8	42.3														
55	26.6	26.8	26.9	29.3	30.5														
60	17.7	17.8	18.8	19.6	18.8														
65	11.8	11.3	12.0	12.0	13.1														
70	7.39	7.13	7.20	8.12	8.56														
75	4.47	3.99	4.33	4.40	4.11														
80	2.49	2.04	1.91	2.28	2.54														
85	0.88	0.78	0.96	1.15	1.28														
90	0.05	0.04	0.03	0.02	0.02														
95	0.55	0.89	1.08	1.24	1.33														
100	2.12	2.26	2.15	2.46	2.64														
105	4.23	4.39	4.94	4.80	4.30														
110	7.69	8.06	8.29	8.99	9.20														
115	12.8	13.0	13.8	13.4	14.1														
120	19.8	20.3	21.6	21.7	20.3														
125	30.0	30.6	30.5	32.3	32.4														
130	43.2	43.7	44.0	43.5	44.7														
135	59.4	58.7	59.6	60.4	58.9														
140	77.0	77.6	77.8	80.0	80.7														
145	99.5	101	101	101	103														
150	127	130	131	132	130														
155	160	164	166	171	174														
160	204	204	210	215	221														
165	267	264	266	268	272														
170	346	335	330	329	330														
175	408	399	393	389	387														
180	443	443	443	443	443														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks: