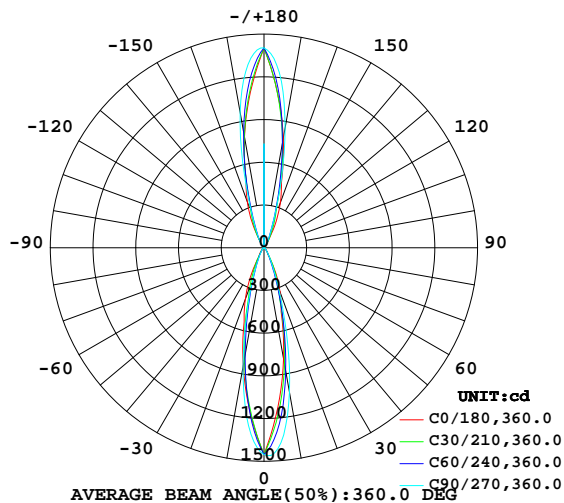


LUMINAIRE PHOTOMETRIC TEST REPORT

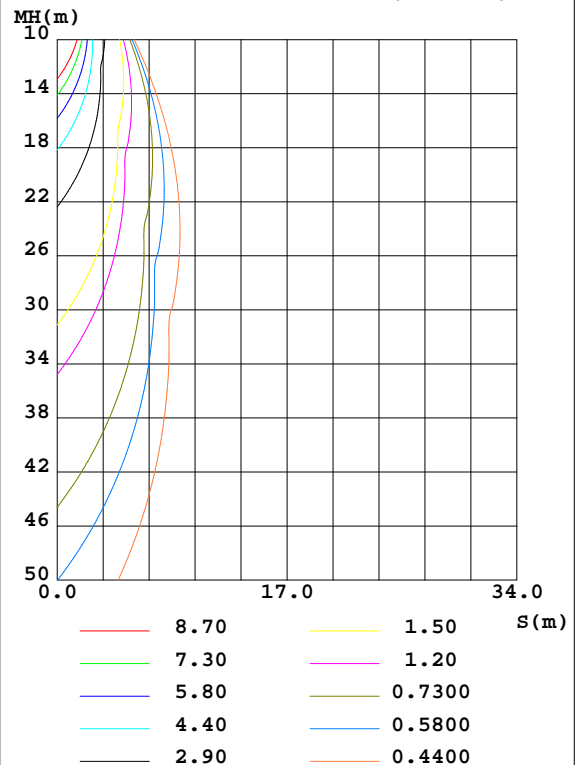
Test:U:120.0V I:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.35 lm/W			
MODEL	INDEPS010UNHD8SC2R3BZP	Imax(cd)	1460	S/MH(C0/180)	0.40
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	710.98	η UP,DN(C0-180)	22.7,27.6
NOMINAL FLUX(lm)	710.98	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.1,24.5
LAMPS INSIDE	1	η up(%)	47.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	52.1	CIBSE SHR MAX	1.00

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	794.1	849.4	1029	878.2	843.6	774.4	848.7	744.2	0- 10	102.0	102.0	14.3,14.3
20	329.8	257.9	294.6	281.7	383.4	236.7	221.5	199.7	10- 20	137.0	239.0	33.6,33.6
30	59.53	79.91	77.70	88.90	71.56	75.49	61.49	66.18	20- 30	70.83	309.8	43.6,43.6
40	31.02	26.33	28.52	29.54	36.41	27.19	25.13	23.96	30- 40	28.40	338.2	47.6,47.6
50	13.36	13.47	13.46	14.51	14.85	13.61	12.21	12.35	40- 50	15.10	353.3	49.7,49.7
60	6.567	7.169	7.038	7.437	6.875	7.025	6.471	6.470	50- 60	8.726	362.1	50.9,50.9
70	3.772	3.826	3.728	3.821	3.885	3.594	3.373	3.353	60- 70	5.079	367.1	51.6,51.6
80	1.593	1.725	1.745	1.633	1.599	1.501	1.282	1.333	70- 80	2.680	369.8	52,52
90	0.0298	0.0317	0.0381	0.0222	0.0155	0.0359	0.0143	0.0384	80- 90	0.7819	370.6	52.1,52.1
100	1.265	1.134	1.105	1.236	1.347	1.262	1.187	1.159	90-100	0.6184	371.2	52.2,52.2
110	3.157	2.848	2.767	2.992	3.253	3.083	2.961	3.052	100-110	2.148	373.4	52.5,52.5
120	5.705	5.707	5.474	5.803	5.735	6.155	5.943	6.202	110-120	4.243	377.6	53.1,53.1
130	11.94	10.70	10.16	10.69	11.73	11.91	11.73	12.11	120-130	7.422	385.0	54.2,54.2
140	29.90	20.25	19.68	20.25	29.77	23.96	24.85	24.30	130-140	12.72	397.8	55.9,55.9
150	59.59	60.87	53.33	61.81	59.87	75.10	69.65	75.24	140-150	24.82	422.6	59.4,59.4
160	335.6	189.8	186.6	196.5	343.3	230.0	241.8	229.9	150-160	62.92	485.5	68.3,68.3
170	783.6	743.4	855.4	749.5	791.2	805.1	966.8	803.3	160-170	127.4	612.9	86.2,86.2
180	1404	1404	1404	1404	1404	1404	1404	1404	170-180	98.07	711.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 347 lm

%lum = 48.8%

%lamp = 48.8%

Conical surface Flux(120deg): 362.07 lm

%lum = 50.9%

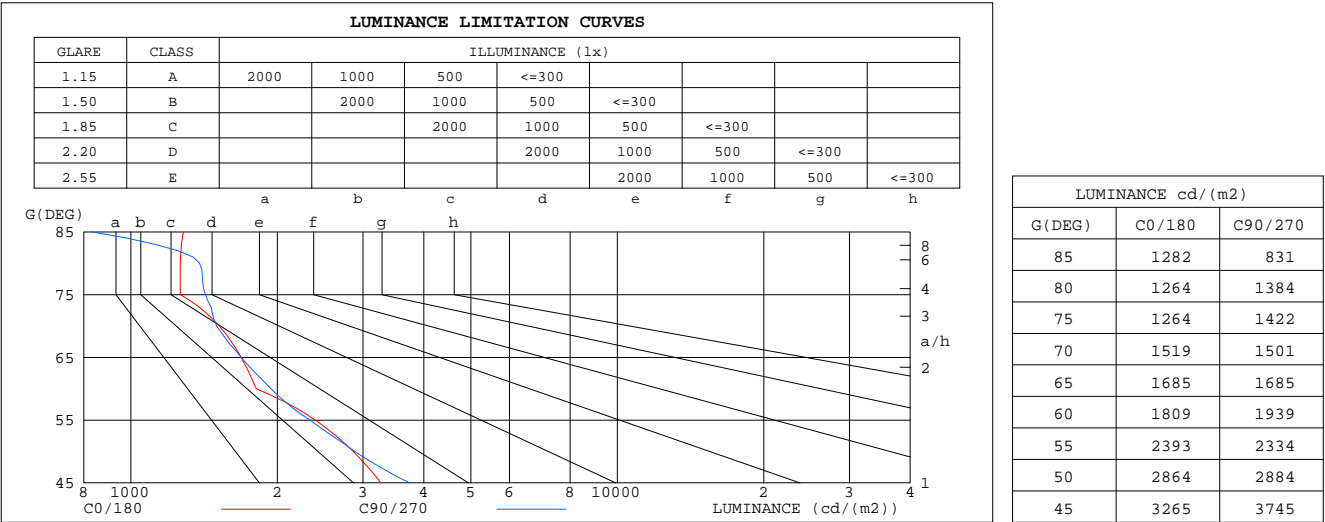
%lamp = 50.9%

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



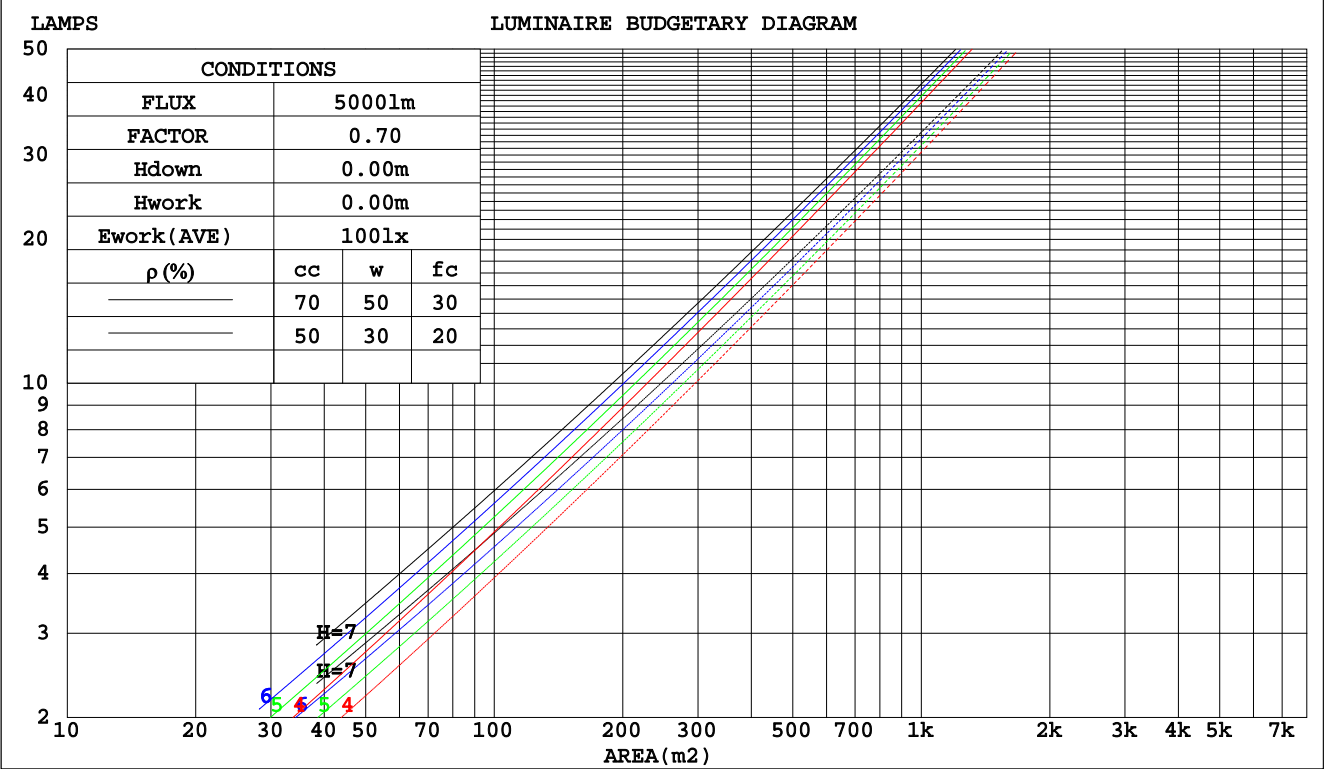
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:22 October 2024

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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: 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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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	.208	.118	.037	.187	.106	.034	.147	.084	.027	.110	.064	.020	.077	.044	.014	
2.0	.193	.106	.032	.173	.096	.029	.138	.076	.024	.104	.059	.018	.074	.042	.013	
3.0	.179	.095	.029	.162	.086	.026	.129	.070	.021	.099	.054	.017	.071	.039	.012	
4.0	.167	.087	.025	.151	.079	.023	.121	.064	.019	.093	.050	.015	.067	.037	.011	
5.0	.156	.079	.023	.141	.072	.021	.114	.059	.017	.088	.047	.014	.064	.034	.010	
6.0	.146	.073	.021	.133	.067	.019	.107	.055	.016	.084	.043	.013	.062	.032	.010	
7.0	.137	.068	.019	.125	.062	.018	.102	.051	.015	.080	.041	.012	.059	.031	.009	
8.0	.129	.063	.018	.118	.058	.016	.096	.048	.014	.076	.038	.011	.057	.029	.008	
9.0	.122	.059	.017	.112	.054	.015	.091	.045	.013	.072	.036	.010	.054	.028	.008	
10.0	.116	.056	.015	.106	.051	.014	.087	.043	.012	.069	.034	.010	.052	.026	.008	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.555	.555	.555	.475	.475	.475	.324	.324	.324	.186	.186	.186	.059	.059	.059	
1.0	.541	.525	.510	.463	.450	.439	.317	.310	.304	.182	.179	.177	.058	.058	.057	
2.0	.529	.503	.480	.453	.433	.415	.311	.299	.290	.179	.174	.170	.057	.056	.055	
3.0	.519	.486	.459	.445	.419	.398	.306	.291	.279	.176	.170	.165	.057	.055	.054	
4.0	.510	.473	.444	.438	.409	.386	.301	.285	.272	.174	.167	.161	.056	.054	.053	
5.0	.503	.463	.433	.432	.400	.377	.297	.280	.266	.172	.164	.158	.055	.054	.052	
6.0	.496	.455	.425	.426	.394	.370	.294	.276	.262	.171	.162	.156	.055	.053	.051	
7.0	.489	.448	.419	.421	.388	.365	.291	.272	.259	.169	.160	.154	.055	.053	.051	
8.0	.484	.442	.414	.416	.384	.361	.288	.269	.256	.168	.159	.153	.054	.052	.050	
9.0	.479	.438	.410	.412	.380	.358	.286	.267	.254	.166	.158	.151	.054	.052	.050	
10.0	.474	.434	.407	.409	.377	.355	.283	.265	.252	.165	.157	.150	.054	.051	.050	

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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	7.4	8.1	8.3	8.9	9.9	7.4	8.1	8.2	8.8	9.8
3H	7.9	8.5	8.8	9.4	10.4	7.8	8.5	8.7	9.3	10.3
4H	8.1	8.7	9.0	9.5	10.5	8.1	8.6	8.9	9.5	10.5
6H	8.2	8.7	9.1	9.6	10.7	8.2	8.8	9.1	9.6	10.7
8H	8.2	8.8	9.1	9.6	10.7	8.3	8.8	9.2	9.7	10.7
12H	8.3	8.8	9.2	9.6	10.7	8.2	8.7	9.2	9.6	10.7
4H 2H	7.4	8.0	8.3	8.9	9.9	7.4	8.0	8.3	8.8	9.8
3H	8.1	8.6	9.0	9.5	10.6	8.0	8.5	8.9	9.4	10.5
4H	8.4	8.8	9.3	9.7	10.8	8.3	8.8	9.3	9.7	10.8
6H	8.6	9.0	9.5	9.9	11.1	8.6	9.0	9.6	9.9	11.1
8H	8.7	9.0	9.6	10.0	11.2	8.7	9.1	9.7	10.0	11.2
12H	8.7	9.0	9.7	10.0	11.2	8.7	9.0	9.7	10.0	11.2
8H 4H	8.3	8.7	9.3	9.6	10.8	8.3	8.7	9.3	9.6	10.8
6H	8.7	9.0	9.7	9.9	11.2	8.8	9.0	9.7	10.0	11.3
8H	8.8	9.1	9.9	10.1	11.4	8.9	9.2	9.9	10.1	11.4
12H	9.0	9.2	10.0	10.2	11.5	8.9	9.1	10.0	10.1	11.4
12H 4H	8.3	8.6	9.3	9.6	10.8	8.3	8.6	9.3	9.6	10.8
6H	8.7	8.9	9.7	9.9	11.2	8.7	9.0	9.7	10.0	11.2
8H	8.9	9.1	9.9	10.1	11.4	8.9	9.1	9.9	10.1	11.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.8				
1.5H	+ 1.3 / - 0.6					+ 1.2 / - 0.5				
2.0H	+ 0.8 / - 0.9					+ 1.1 / - 0.7				

CIE Pub.117, 711.0 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.2$)
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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

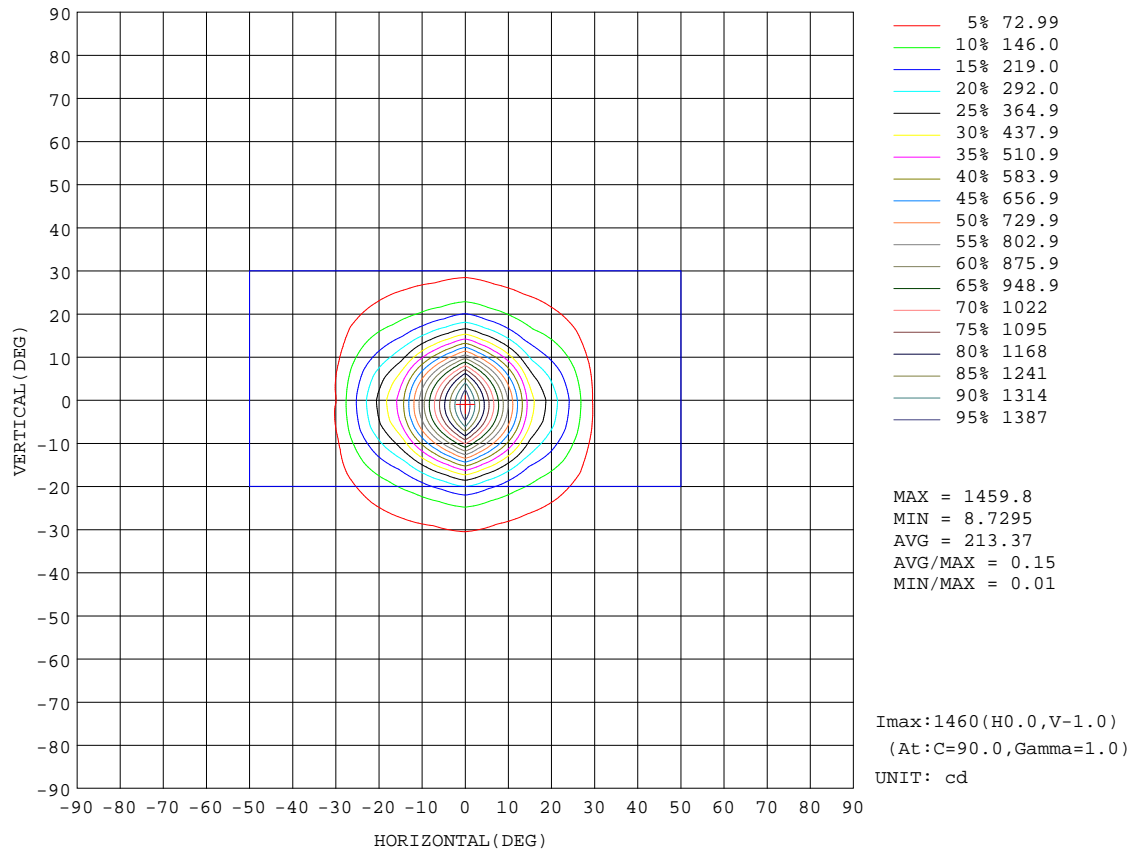
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	52	47	57	50	46	53	47	44	37
0.80	68	60	55	65	58	53	59	54	50	41
1.00	74	66	60	70	63	58	63	58	54	44
1.25	79	71	66	75	68	63	67	62	58	46
1.50	83	76	70	78	72	67	69	65	62	47
2.00	88	81	76	83	77	73	72	69	66	48
2.50	92	85	81	86	80	76	74	71	68	49
3.00	94	89	84	88	83	80	76	73	71	50
4.00	97	93	89	91	87	84	78	76	74	51
5.00	100	96	93	92	89	87	79	78	76	51
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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



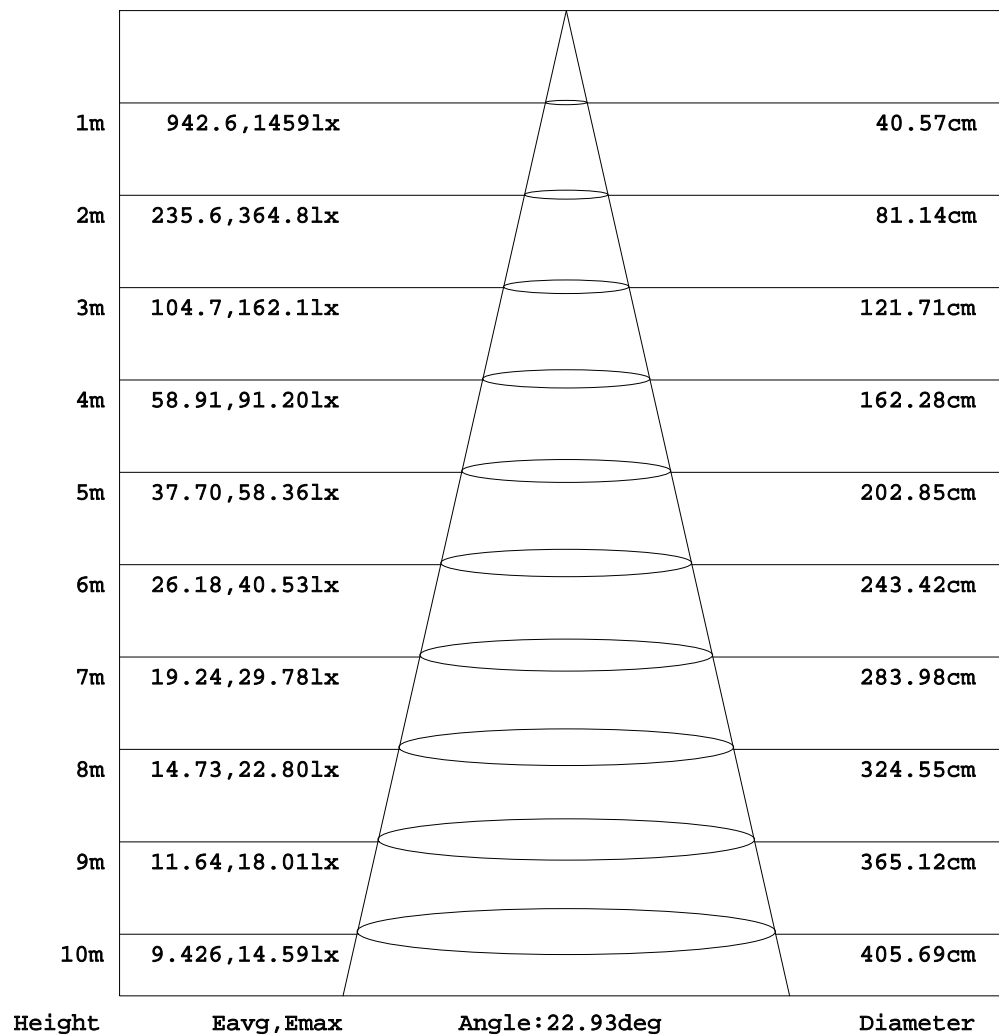
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:133.8 lm



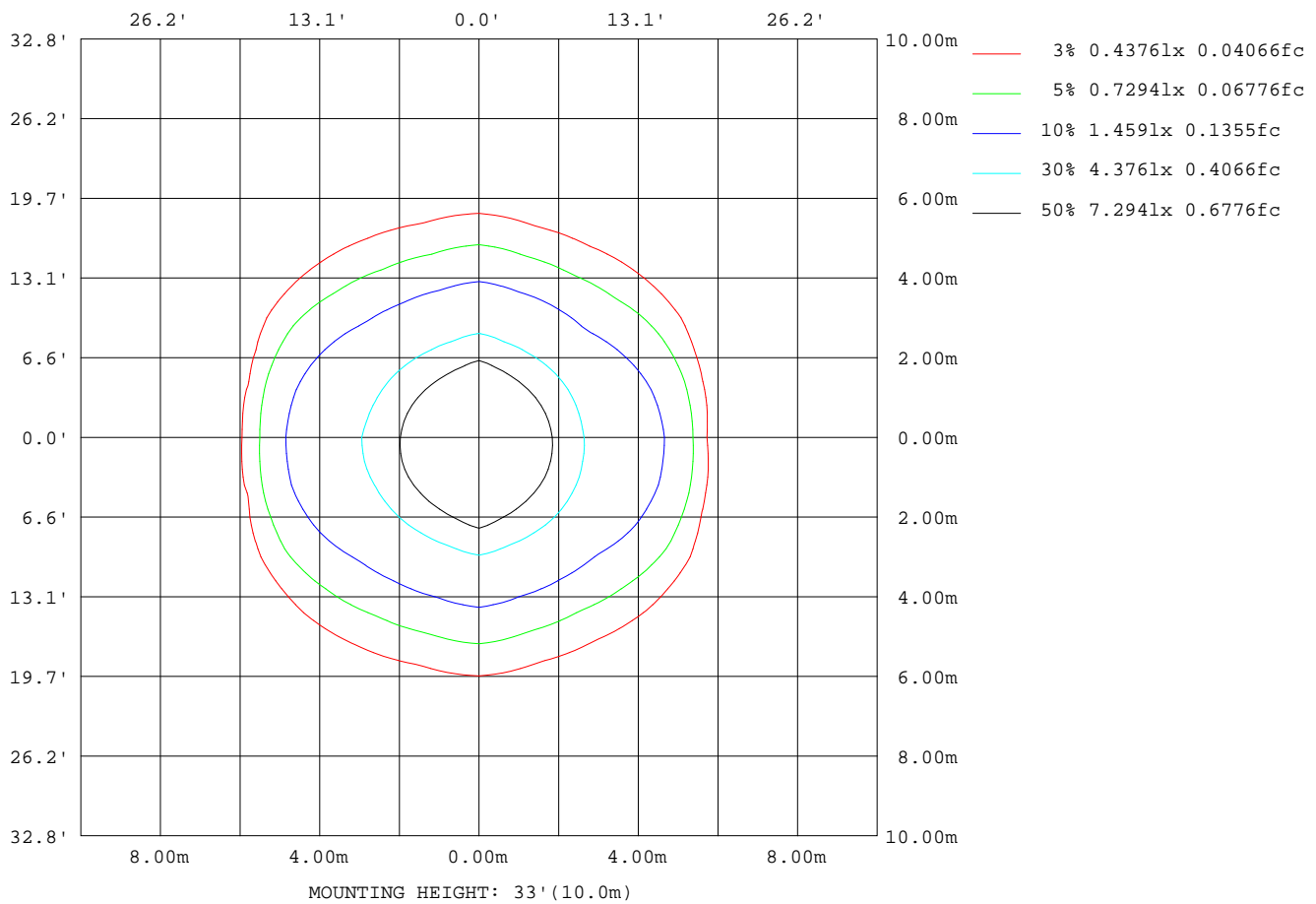
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date: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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

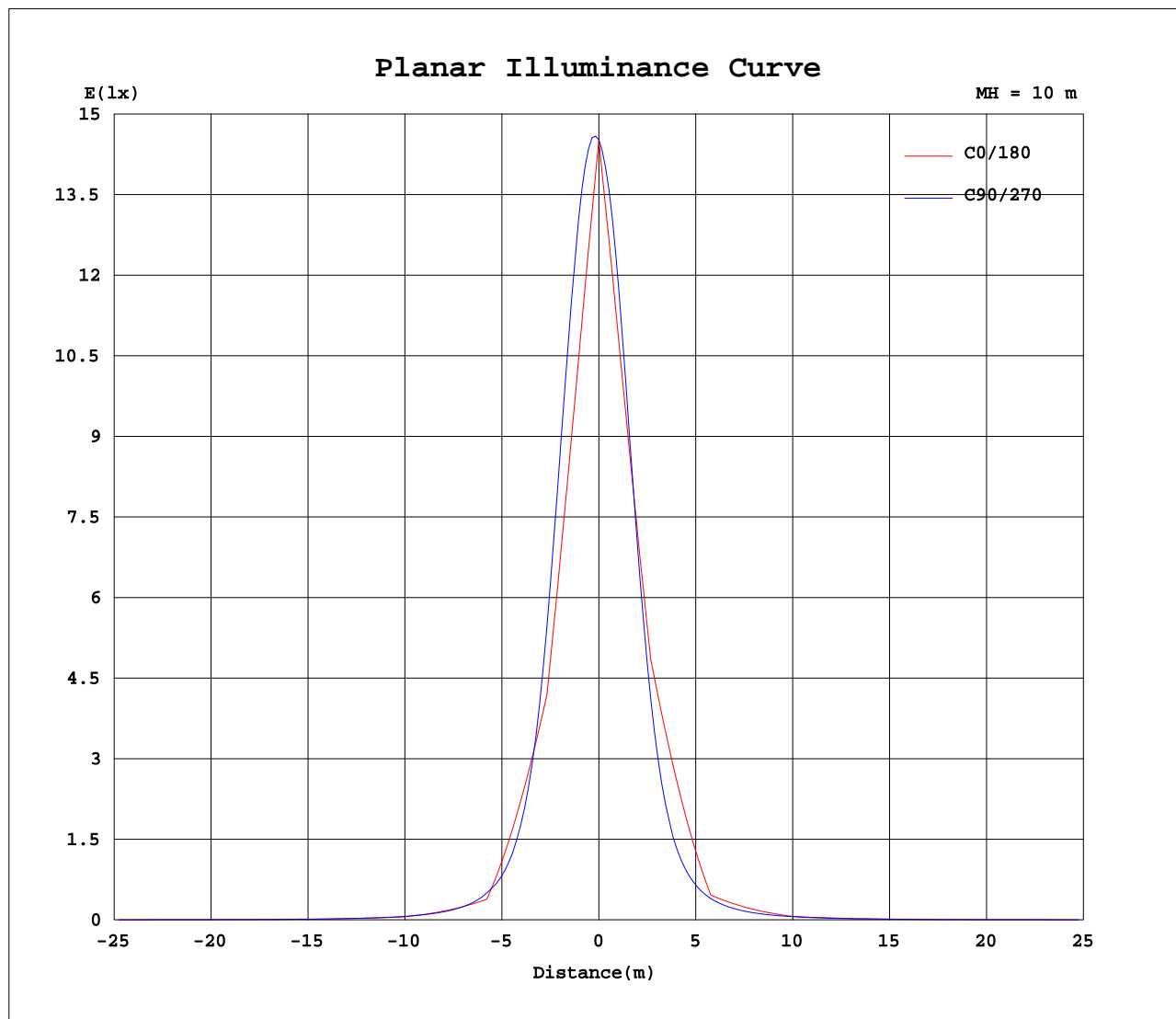
AvgL	cd/m2
L_0~180(65)av	1719
L_0~180(75)av	1268
L_0~180(85)av	1279
L_90~270(65)av	1615
L_90~270(75)av	1332
L_90~270(85)av	509
L_45(65)av	1669
L_45(75)av	1358
L_45(85)av	1243

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
5	1123	1140	1165	1197	1241	1299	1374	1305	1253	1214	1186	1164	1148	1136	1133	1139	1158	1195	1253
10	794	813	833	849	880	933	1029	941	896	878	873	861	844	821	797	774	764	784	849
15	465	484	502	512	517	537	606	544	531	541	552	553	539	517	487	452	423	419	458
20	330	327	294	258	257	261	295	266	270	282	332	378	383	348	287	237	212	203	221
25	195	196	175	142	127	127	142	131	137	157	196	226	227	207	169	131	111	103	110
30	59.5	75.7	88.7	79.9	71.3	69.9	77.7	72.6	79.2	88.9	100	88.7	71.6	83.5	88.5	75.5	65.9	59.3	61.5
35	45.3	44.8	40.8	45.2	43.8	42.0	45.1	43.8	47.5	50.4	47.6	52.3	54.0	50.4	43.8	44.4	41.0	37.6	38.2
40	31.0	31.3	29.6	26.3	27.9	27.2	28.5	28.2	30.0	29.5	33.8	36.0	36.4	34.7	31.4	27.2	26.8	25.1	25.1
45	16.8	18.4	19.9	19.1	18.5	18.7	19.2	19.4	19.8	20.9	22.3	20.7	18.8	20.1	21.0	19.4	18.0	17.6	17.3
50	13.4	13.3	12.7	13.5	12.9	13.1	13.5	13.6	13.8	14.5	13.8	14.7	14.8	14.3	13.3	13.6	12.7	12.3	12.2
55	9.97	10.0	9.84	9.30	9.50	9.44	9.72	9.70	10.0	9.83	10.5	10.9	10.9	10.6	10.1	9.26	9.21	8.87	8.90
60	6.57	6.87	7.25	7.17	7.03	6.91	7.04	7.05	7.26	7.44	7.51	7.17	6.87	7.05	7.27	7.02	6.69	6.44	6.47
65	5.17	5.21	5.17	5.29	5.20	5.14	5.17	5.17	5.26	5.39	5.17	5.34	5.38	5.27	5.07	5.09	4.90	4.71	4.74
70	3.77	3.87	3.91	3.83	3.87	3.75	3.73	3.76	3.84	3.82	3.84	3.88	3.89	3.85	3.77	3.59	3.52	3.25	3.37
75	2.37	2.53	2.66	2.74	2.74	2.72	2.67	2.65	2.65	2.68	2.54	2.43	2.39	2.44	2.50	2.49	2.36	2.12	2.33
80	1.59	1.66	1.68	1.72	1.73	1.74	1.74	1.66	1.66	1.63	1.56	1.58	1.60	1.60	1.54	1.50	1.31	0.92	1.28
85	0.81	0.84	0.85	0.88	0.83	0.55	0.53	0.55	0.80	0.83	0.79	0.80	0.81	0.81	0.78	0.76	0.53	0.12	0.12
90	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.01
95	0.65	0.62	0.59	0.58	0.49	0.19	0.18	0.27	0.57	0.63	0.64	0.67	0.68	0.67	0.65	0.64	0.60	0.38	0.33
100	1.27	1.21	1.16	1.13	1.10	1.05	1.10	1.20	1.21	1.24	1.28	1.33	1.35	1.32	1.28	1.26	1.26	1.20	1.19
105	1.88	1.87	1.92	1.94	1.86	1.84	1.87	1.91	1.97	2.07	2.07	2.05	2.01	2.03	2.08	2.14	2.09	2.03	1.98
110	3.16	3.07	3.00	2.85	2.80	2.75	2.77	2.79	2.92	2.99	3.14	3.22	3.25	3.24	3.17	3.08	3.13	3.02	2.96
115	4.43	4.29	4.10	4.09	3.95	3.92	3.95	3.98	4.10	4.21	4.22	4.41	4.49	4.46	4.29	4.39	4.29	4.27	4.20
120	5.70	5.80	5.92	5.71	5.49	5.41	5.47	5.44	5.59	5.80	5.98	5.85	5.74	5.96	6.22	6.16	6.01	5.88	5.94
125	8.82	8.62	8.21	7.61	7.59	7.47	7.54	7.43	7.59	7.65	8.18	8.52	8.73	8.80	8.63	8.21	8.42	8.27	8.36
130	11.9	11.5	10.7	10.7	10.3	10.1	10.2	10.1	10.2	10.7	10.5	11.3	11.7	11.7	11.2	11.9	11.6	11.6	11.7
135	15.1	16.1	16.4	14.7	14.0	13.6	13.7	13.5	13.8	14.7	16.3	15.8	14.7	16.6	18.3	17.0	16.5	16.4	16.5
140	29.9	28.0	24.4	20.2	20.3	19.1	19.7	19.1	20.2	20.2	24.2	27.9	29.8	30.0	27.9	24.0	25.1	24.0	24.9
145	44.7	40.9	34.5	35.1	32.4	29.4	30.7	29.5	32.4	34.9	34.2	40.9	44.8	44.1	39.3	42.6	41.2	38.2	40.4
150	59.6	68.9	69.9	60.9	55.1	50.0	53.3	50.0	54.5	61.8	71.0	69.6	59.9	74.7	81.9	75.1	68.7	65.0	69.6
155	198	176	135	105	92.3	87.6	94.2	87.3	93.3	108	141	180	202	192	159	129	117	113	123
160	336	300	234	190	180	173	187	174	183	196	245	307	343	324	272	230	224	219	242
165	474	456	432	411	396	397	440	399	402	420	444	465	485	486	479	475	470	479	532
170	784	768	755	743	746	778	855	781	750	749	760	775	791	795	797	805	828	876	967
175	1094	1086	1089	1102	1129	1173	1237	1174	1130	1104	1092	1090	1097	1105	1117	1140	1175	1225	1292
180	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404	1404

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:0.0422A P:5.03W PF:0.9930 Freq:60.00Hz Lamp Flux:710.98x1 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	1452	1452	1452	1452	1452													
5	1188	1146	1121	1111	1112													
10	775	745	744	756	773													
15	410	403	416	433	445													
20	197	197	200	241	294													
25	99.7	101	113	142	174													
30	56.9	59.4	66.2	73.9	69.5													
35	35.8	37.5	39.0	37.3	42.1													
40	24.1	24.6	24.0	27.0	29.5													
45	16.9	16.8	17.4	18.4	17.6													
50	12.1	11.9	12.3	11.8	12.8													
55	8.67	8.71	8.49	9.14	9.66													
60	6.41	6.38	6.47	6.67	6.59													
65	4.83	4.70	4.72	4.70	4.94													
70	3.54	3.43	3.35	3.48	3.59													
75	2.61	2.34	2.30	2.29	2.26													
80	1.69	1.34	1.33	1.41	1.48													
85	0.59	0.58	0.68	0.72	0.75													
90	0.06	0.05	0.04	0.03	0.03													
95	0.35	0.55	0.60	0.62	0.65													
100	1.17	1.18	1.16	1.22	1.28													
105	1.94	1.96	2.05	2.03	1.97													
110	2.92	3.00	3.05	3.15	3.18													
115	4.17	4.26	4.41	4.30	4.40													
120	5.85	5.99	6.20	6.26	5.92													
125	8.26	8.45	8.25	8.74	8.86													
130	11.6	11.6	12.1	11.4	11.9													
135	16.6	16.7	17.4	18.4	16.8													
140	24.1	25.4	24.3	27.9	30.0													
145	38.3	41.2	43.0	39.4	44.1													
150	64.9	69.1	75.2	82.2	74.5													
155	113	117	129	159	190													
160	219	224	230	268	322													
165	479	470	472	475	480													
170	876	826	803	795	790													
175	1225	1174	1138	1115	1101													
180	1404	1404	1404	1404	1404													

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: