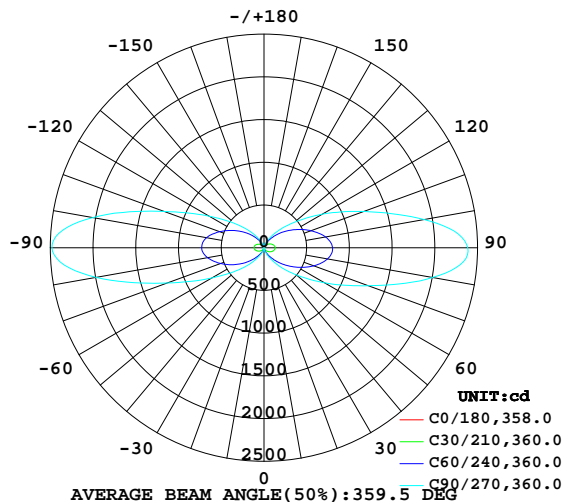


LUMINAIRE PHOTOMETRIC TEST REPORT

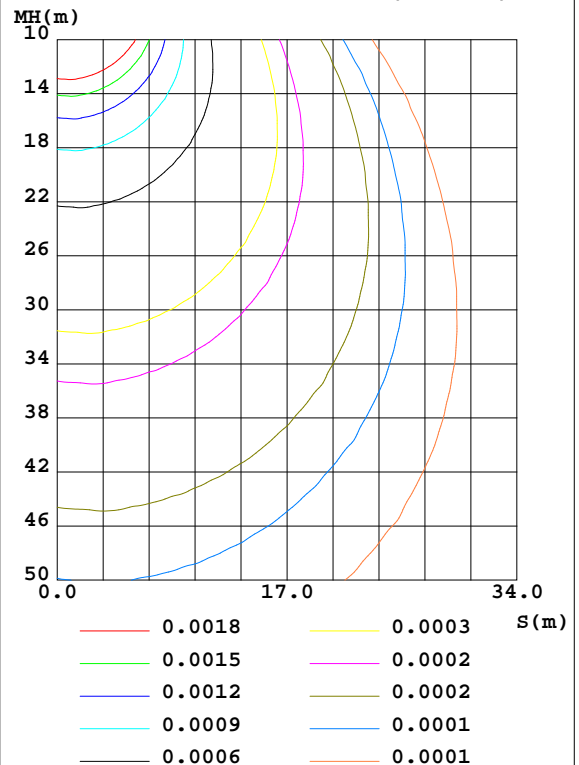
Test:U:120.0V I:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.19 lm/W			
MODEL	INDFPS030UNHD8SC2R6BZP	I _{max} (cd)	2481	S/MH(C0/180)	1.19
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.12
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	4056.4	η UP,DN(C0-180)	25.4,26.4
NOMINAL FLUX(lm)	4056.44	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.4,23.8
LAMPS INSIDE	1	η up(%)	49.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	50.2	CIBSE SHR MAX	1.55

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	0.3051	8.338	17.36	8.985	0.2813	6.291	13.16	5.745	0- 10	0.2928	0.2928	0.01,0.01
20	0.2972	30.29	59.02	30.60	0.2610	24.64	46.53	23.20	10- 20	4.839	5.132	0.13,0.13
30	0.2776	62.21	139.2	63.48	0.2369	50.41	111.8	49.33	20- 30	19.77	24.90	0.61,0.61
40	0.2455	108.4	282.4	110.0	0.2077	89.30	233.1	87.82	30- 40	54.13	79.03	1.95,1.95
50	0.2036	167.5	493.8	170.7	0.1702	141.1	416.0	139.2	40- 50	118.4	197.5	4.87,4.87
60	0.1659	237.7	822.9	243.9	0.1395	203.2	708.4	202.0	50- 60	218.9	416.4	10.3,10.3
70	0.1427	303.7	1301	310.3	0.1246	264.6	1209	260.3	60- 70	363.5	779.9	19.2,19.2
80	0.1449	348.8	2005	356.8	0.1240	309.4	1997	302.4	70- 80	547.1	1327	32.7,32.7
90	0.1478	363.4	2384	370.3	0.1243	327.7	2481	320.3	80- 90	710.2	2037	50.2,50.2
100	0.1421	343.5	1906	350.6	0.1259	314.7	2037	307.2	90-100	706.6	2744	67.6,67.6
110	0.1326	293.3	1244	298.0	0.1284	272.8	1246	264.1	100-110	541.9	3286	81,81
120	0.1313	227.5	787.4	230.4	0.1310	213.7	741.1	203.9	110-120	360.3	3646	89.9,89.9
130	0.1399	158.0	465.8	161.1	0.1437	148.9	437.9	142.4	120-130	216.6	3863	95.2,95.2
140	0.1563	99.50	262.4	102.3	0.1644	94.89	245.7	91.04	130-140	116.7	3979	98.1,98.1
150	0.1848	55.46	126.4	57.36	0.2015	51.81	118.4	54.49	140-150	52.99	4032	99.4,99.4
160	0.2312	25.95	52.27	27.73	0.2515	20.93	49.48	30.50	150-160	19.21	4051	99.9,99.9
170	0.2569	6.264	14.69	7.278	0.2664	3.701	14.08	10.41	160-170	4.680	4056	100,100
180	0.1338	0.0773	0.0500	0.0980	0.1516	0.1084	0.0682	0.0730	170-180	0.2803	4056	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 128.12 lm

%lum = 3.2%

%lamp = 3.2%

Conical surface Flux(120deg): 416.4 lm

%lum = 10.3%

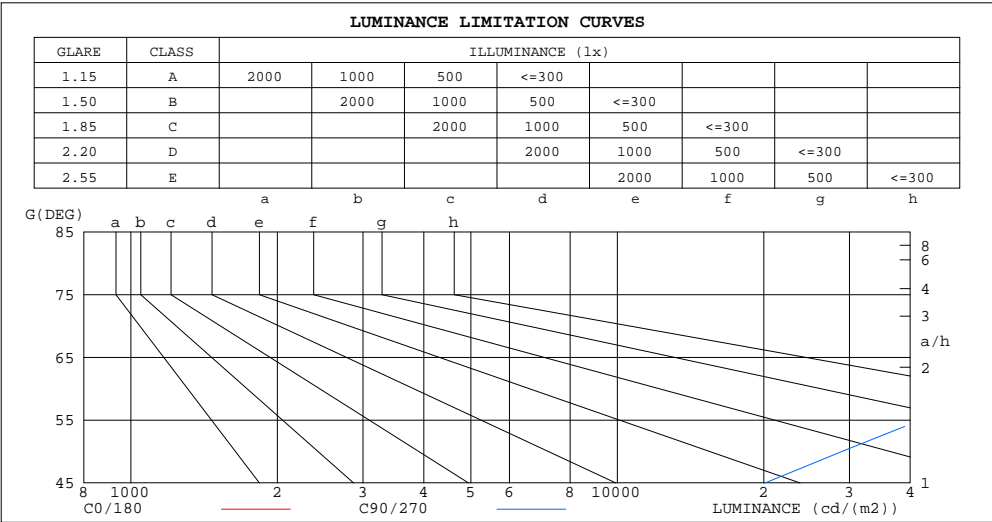
%lamp = 10.3%

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	63	995738
80	31	435108
75	21	238428
70	16	143388
65	14	92595
60	13	62031
55	12	42066
50	12	28955
45	12	20133

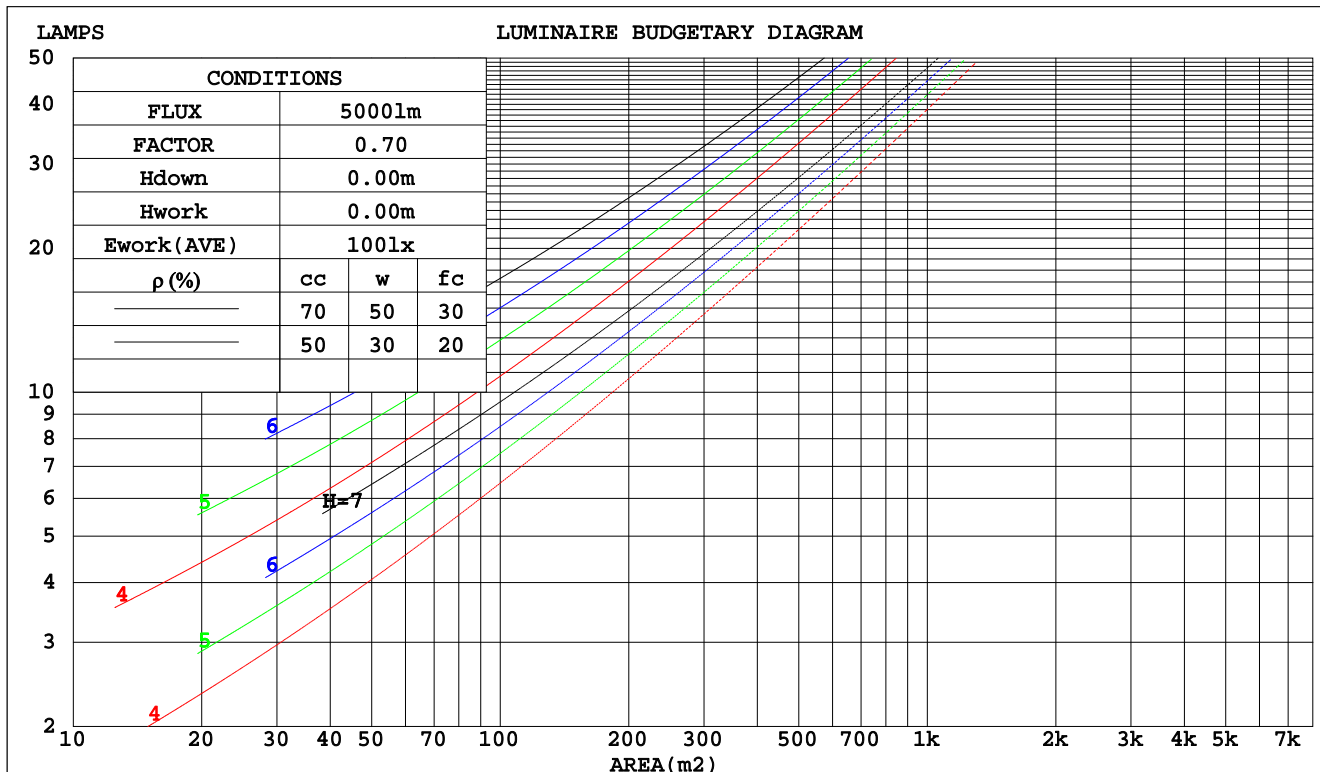
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:Alan Wang
Test Date:17 October 2024

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	Coefficients of Utilization(CU)															
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.81	.74	.68	.74	.68	.62	.60	.55	.51	.48	.44	.40	.36	.33	.30	.25
2.0	.67	.57	.49	.60	.52	.45	.49	.42	.36	.38	.33	.28	.28	.24	.20	.15
3.0	.57	.46	.38	.51	.42	.34	.41	.33	.27	.31	.26	.21	.22	.18	.14	.10
4.0	.49	.38	.30	.44	.35	.27	.35	.28	.22	.27	.21	.16	.19	.14	.11	.07
5.0	.43	.32	.25	.39	.29	.22	.31	.23	.18	.23	.18	.13	.17	.12	.08	.05
6.0	.38	.28	.21	.34	.25	.19	.27	.20	.15	.21	.15	.11	.15	.10	.07	.03
7.0	.34	.24	.18	.31	.22	.16	.24	.17	.12	.19	.13	.09	.13	.09	.06	.03
8.0	.30	.21	.15	.27	.19	.14	.22	.15	.11	.17	.12	.08	.12	.08	.05	.02
9.0	.28	.19	.13	.25	.17	.12	.20	.14	.09	.15	.10	.07	.11	.07	.04	.02
10.0	.25	.17	.12	.23	.15	.10	.18	.12	.08	.14	.09	.06	.10	.06	.03	.01



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

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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:

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WEC AND CCEC

Test:U:120.0V I:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	.515	.293	.093	.492	.281	.089	.450	.258	.082	.411	.237	.076	.375	.217	.070	
2.0	.403	.221	.068	.383	.211	.065	.344	.191	.059	.308	.173	.054	.275	.155	.049	
3.0	.339	.180	.054	.320	.171	.052	.284	.154	.047	.252	.138	.042	.221	.122	.038	
4.0	.294	.153	.045	.277	.145	.043	.244	.130	.039	.214	.115	.035	.186	.101	.031	
5.0	.261	.133	.038	.245	.126	.037	.215	.112	.033	.187	.099	.029	.161	.086	.026	
6.0	.234	.118	.034	.220	.111	.032	.192	.099	.029	.167	.087	.025	.142	.075	.022	
7.0	.213	.105	.030	.200	.100	.028	.174	.088	.025	.150	.077	.022	.128	.066	.020	
8.0	.196	.096	.027	.183	.090	.025	.159	.080	.023	.137	.070	.020	.116	.060	.017	
9.0	.181	.087	.024	.169	.082	.023	.147	.073	.021	.126	.063	.018	.107	.054	.016	
10.0	.168	.080	.022	.157	.076	.021	.136	.067	.019	.117	.058	.017	.099	.050	.014	

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	.570	.570	.570	.487	.487	.487	.332	.332	.332	.191	.191	.191	.061	.061	.061		
1.0	.577	.537	.501	.494	.461	.431	.338	.317	.298	.194	.183	.173	.062	.059	.056		
2.0	.572	.516	.469	.490	.444	.406	.336	.308	.283	.194	.179	.166	.062	.058	.054		
3.0	.565	.502	.452	.484	.433	.392	.332	.301	.275	.192	.176	.162	.062	.057	.053		
4.0	.557	.491	.440	.478	.424	.383	.328	.296	.269	.190	.173	.159	.061	.056	.052		
5.0	.548	.482	.433	.471	.417	.376	.324	.291	.266	.188	.171	.158	.061	.056	.052		
6.0	.541	.475	.427	.465	.411	.372	.321	.288	.263	.186	.169	.157	.060	.055	.052		
7.0	.533	.469	.423	.459	.406	.369	.317	.285	.261	.184	.168	.156	.059	.055	.051		
8.0	.526	.463	.420	.453	.402	.367	.313	.282	.260	.182	.166	.155	.059	.055	.051		
9.0	.519	.459	.418	.448	.398	.365	.310	.280	.259	.181	.165	.154	.058	.054	.051		
10.0	.513	.455	.416	.443	.395	.363	.307	.278	.258	.179	.164	.154	.058	.054	.051		

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	8.8	10.0	9.7	10.9	12.1	24.6	25.8	25.5	26.7	27.9	
	3H	9.7	10.8	10.6	11.7	12.9	30.6	31.7	31.5	32.7	33.9
	4H	9.9	11.0	10.8	11.9	13.2	33.9	35.0	34.8	35.9	37.2
	6H	10.2	11.1	11.1	12.1	13.4	37.5	38.5	38.4	39.5	40.7
	8H	10.3	11.2	11.2	12.2	13.4	39.4	40.4	40.3	41.3	42.6
	12H	10.3	11.2	11.2	12.2	13.5	41.5	42.4	42.4	43.4	44.6
4H	2H	17.1	18.1	18.0	19.1	20.3	24.6	25.7	25.5	26.6	27.8
	3H	18.0	18.9	18.9	19.9	21.2	30.8	31.8	31.8	32.7	34.0
	4H	18.3	19.2	19.3	20.1	21.4	34.4	35.2	35.3	36.2	37.5
	6H	18.5	19.2	19.4	20.2	21.6	38.2	39.0	39.2	40.0	41.3
	8H	18.5	19.2	19.5	20.2	21.5	40.3	41.0	41.3	42.0	43.4
	12H	18.5	19.2	19.5	20.2	21.5	42.6	43.2	43.5	44.3	45.6
8H	4H	24.4	25.1	25.3	26.1	27.4	34.3	35.0	35.2	36.0	37.3
	6H	24.8	25.5	25.8	26.5	27.8	38.4	39.0	39.3	40.0	41.4
	8H	25.0	25.5	26.0	26.6	27.9	40.6	41.2	41.6	42.3	43.6
	12H	25.0	25.5	26.0	26.6	27.9	43.2	43.7	44.2	44.8	46.2
12H	4H	26.8	27.4	27.7	28.4	29.8	34.2	34.9	35.2	35.9	37.2
	6H	27.6	28.2	28.6	29.2	30.5	38.3	38.9	39.3	39.9	41.3
	8H	27.9	28.4	28.9	29.4	30.8	40.6	41.2	41.7	42.2	43.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.1					+ 0.3 / - 0.3					
2.0H	+ 0.7 / - 0.5					+ 0.4 / - 0.4					

CIE Pub.117, 4056 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.9$)
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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

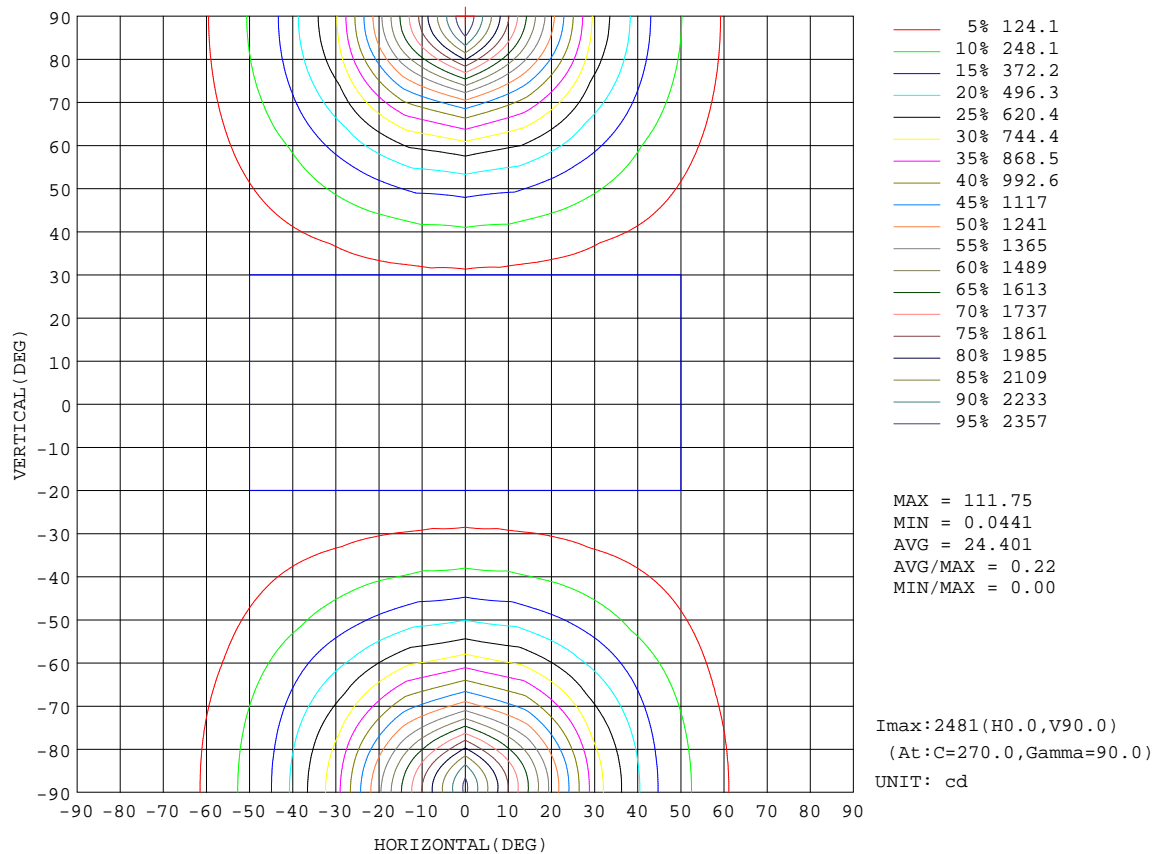
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	31	17	10	29	17	9	26	15	8	1
0.80	39	23	14	36	22	13	32	20	12	3
1.00	45	29	19	42	27	18	36	26	16	4
1.25	52	35	24	48	33	23	41	29	20	6
1.50	57	40	29	52	38	27	45	32	23	8
2.00	65	49	37	60	45	35	50	39	30	12
2.50	70	55	44	64	51	41	54	44	35	15
3.00	74	61	50	68	56	46	57	47	39	18
4.00	80	68	58	74	63	54	62	53	46	22
5.00	84	74	64	77	68	59	65	57	50	25
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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



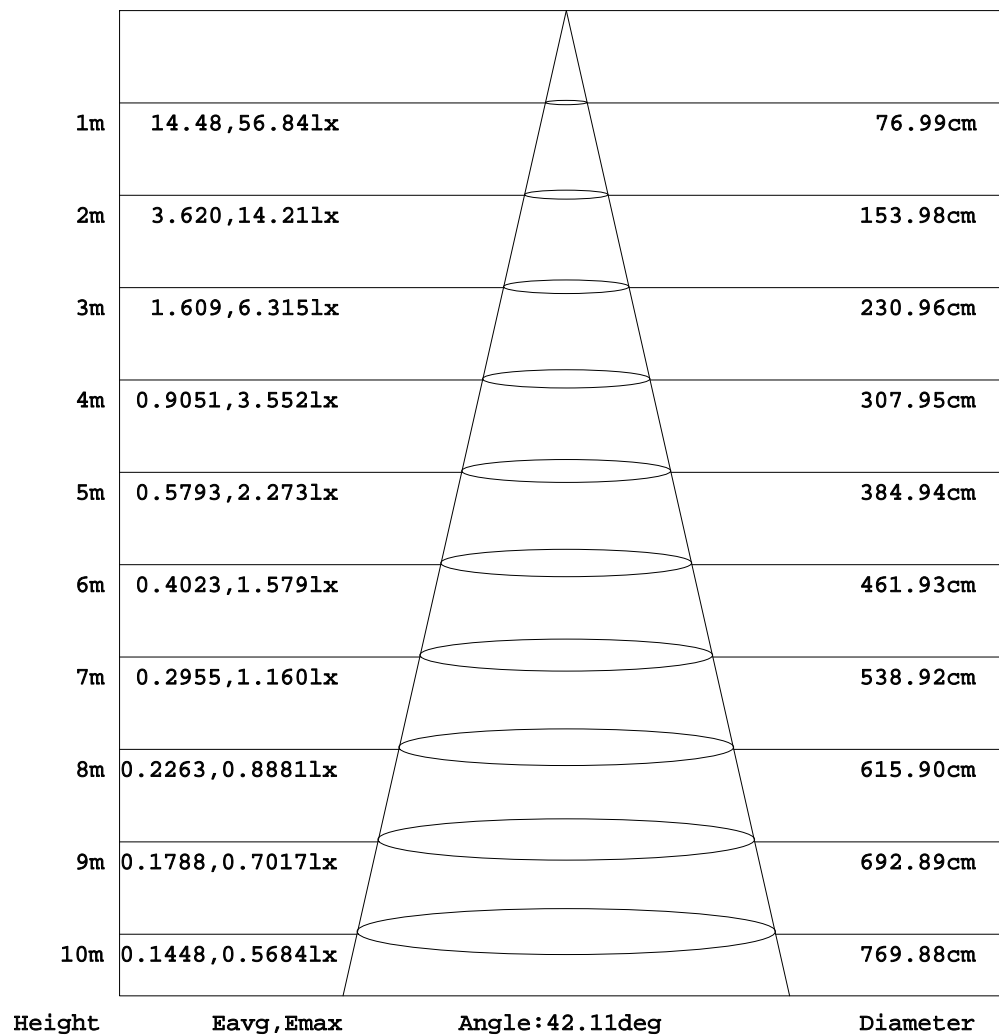
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 17 October 2024

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:7.427 lm



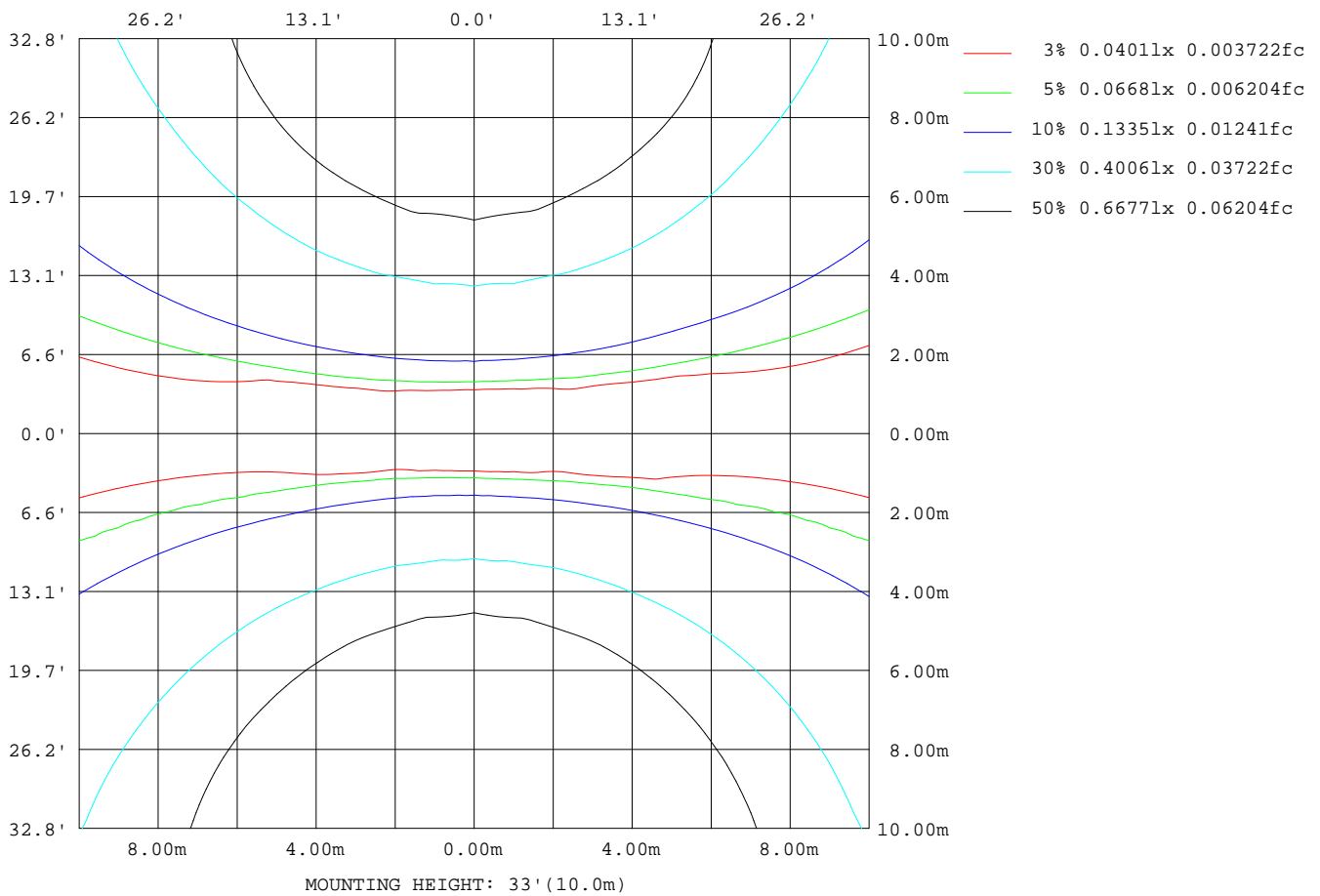
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

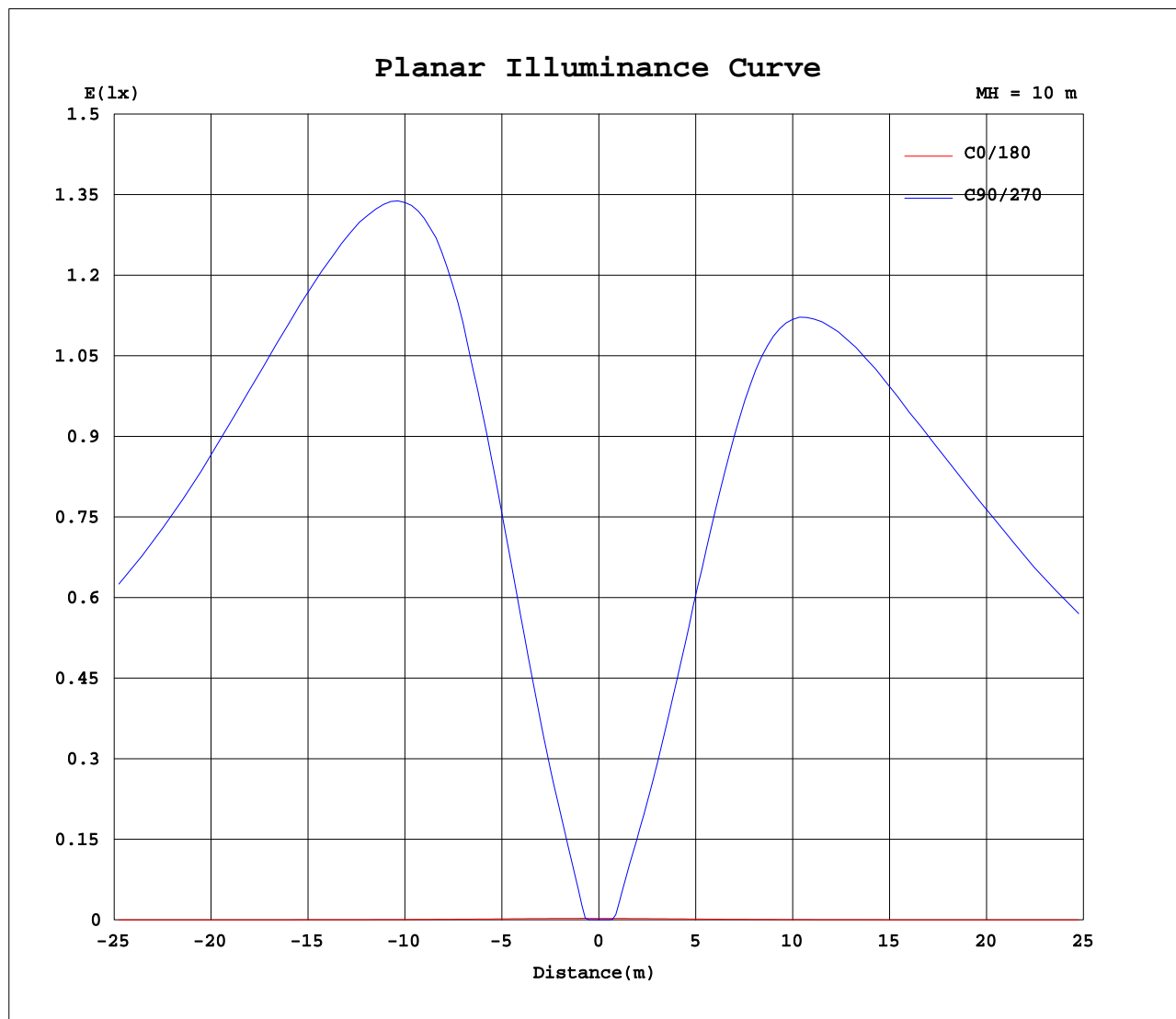
AvgL	cd/m2
L_0~180(65)av	13
L_0~180(75)av	19
L_0~180(85)av	58
L_90~270(65)av	87674
L_90~270(75)av	234214
L_90~270(85)av	1004398
L_45(65)av	22704
L_45(75)av	45137
L_45(85)av	147629

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	0.30	0.25	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.30	0.25	0.17	0.11	0.07	0.05	0.04
5	0.31	0.26	0.18	0.11	0.08	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
10	0.31	0.26	0.18	0.11	0.08	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
15	0.31	0.26	0.18	0.11	0.08	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
20	0.30	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
25	0.30	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
30	0.28	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
35	0.26	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
40	0.25	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
45	0.22	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
50	0.20	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
55	0.18	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
60	0.17	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
65	0.15	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
70	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
75	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
80	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
85	0.15	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
90	0.15	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
95	0.15	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
100	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
105	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
110	0.13	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
115	0.13	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
120	0.13	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
125	0.13	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
130	0.14	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
135	0.15	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
140	0.16	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
145	0.17	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
150	0.18	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
155	0.21	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
160	0.23	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
165	0.25	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
170	0.26	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
175	0.24	0.28	0.17	0.11	0.07	0.05	0.04	0.05	0.07	0.10	0.17	0.25	0.29	0.25	0.17	0.11	0.07	0.05	0.04
180	0.13	0.12	0.09	0.08	0.07	0.06	0.05	0.05	0.08	0.10	0.12	0.14	0.15	0.15	0.13	0.11	0.09	0.08	0.07

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:0.2402A P:28.73W PF:0.9968 Freq:60.00Hz Lamp Flux:4056.44x1 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	0.05	0.07	0.10	0.17	0.25													
5	0.62	0.14	0.11	0.17	0.25													
10	12.2	9.64	5.74	0.86	0.25													
15	25.1	20.5	14.1	6.63	0.24													
20	43.1	34.4	23.2	12.1	1.08													
25	67.9	53.3	34.8	17.9	3.54													
30	102	77.7	49.3	24.2	5.91													
35	148	109	67.0	31.5	8.51													
40	210	150	87.8	40.0	11.1													
45	283	202	112	49.1	13.6													
50	369	259	139	58.9	16.0													
55	471	320	170	68.8	18.1													
60	596	386	202	78.3	20.1													
65	749	455	233	87.6	22.0													
70	925	525	260	96.0	23.5													
75	1118	593	284	103	24.7													
80	1322	655	302	109	25.6													
85	1488	696	315	112	26.2													
90	1565	713	320	113	26.6													
95	1518	705	317	112	26.5													
100	1370	671	307	108	26.1													
105	1165	614	288	103	25.4													
110	964	546	264	95.9	24.4													
115	781	473	236	88.1	23.0													
120	623	401	204	79.2	21.4													
125	492	331	172	69.8	19.4													
130	386	266	142	60.4	17.2													
135	295	207	115	50.9	14.8													
140	219	157	91.0	42.1	12.4													
145	156	116	71.0	34.5	10.2													
150	109	84.8	54.5	28.3	8.45													
155	74.6	60.5	41.4	23.4	7.59													
160	48.7	41.4	30.5	18.6	6.91													
165	29.0	26.0	20.4	13.1	5.19													
170	14.5	13.2	10.4	6.36	1.46													
175	2.48	1.91	0.83	0.10	0.15													
180	0.07	0.07	0.07	0.09	0.11													

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: