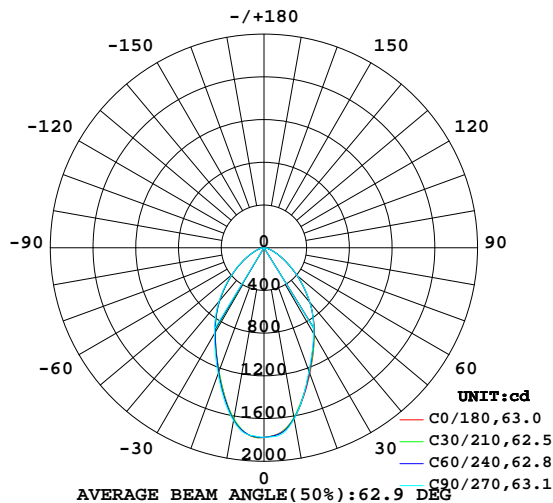


LUMINAIRE PHOTOMETRIC TEST REPORT

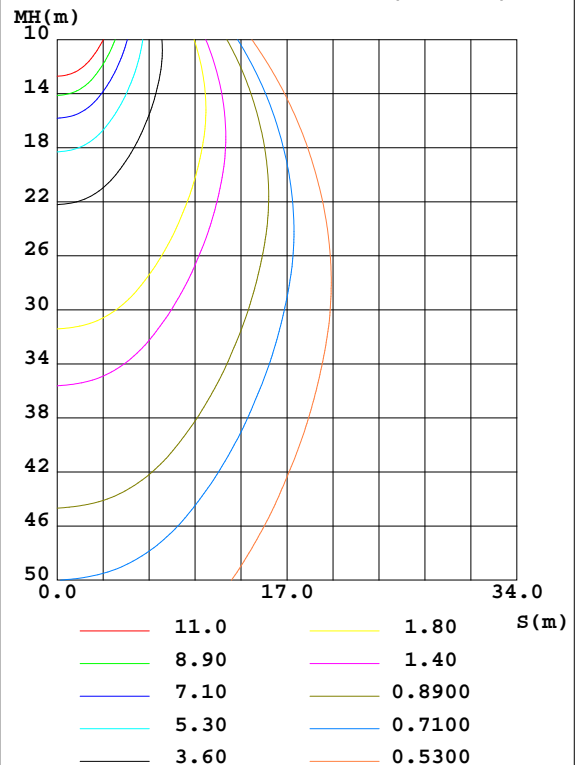
Test:U:120.0V I:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.16 lm/W			
MODEL	INDEPS020UNHD8SC2R4BZP	Imax(cd)	1780	S/MH(C0/180)	0.84
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	2419.9	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	2419.85	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.8
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	99.9	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: 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	1620	1620	1628	1632	1633	1631	1644	1645	0- 10	163.3	163.3	6.75,6.75
20	1256	1242	1231	1236	1233	1237	1256	1264	10- 20	401.9	565.2	23.4,23.4
30	941.3	939.8	931.2	927.9	919.5	916.6	928.1	943.7	20- 30	495.2	1060	43.8,43.8
40	666.7	667.0	668.1	658.9	646.9	642.7	657.0	665.2	30- 40	496.2	1557	64.3,64.3
50	402.1	403.7	407.3	398.8	391.5	388.1	396.7	402.0	40- 50	403.2	1960	81,81
60	201.6	201.9	203.9	200.2	195.0	194.8	197.9	200.9	50- 60	259.9	2220	91.7,91.7
70	84.63	83.86	84.53	84.03	81.72	81.46	83.29	84.21	60- 70	133.8	2354	97.3,97.3
80	24.41	24.02	23.18	23.92	24.54	24.51	24.13	24.40	70- 80	52.26	2406	99.4,99.4
90	0.0685	0.0388	0.0403	0.0430	0.0689	0.0713	0.0741	0.0744	80- 90	11.15	2417	99.9,99.9
100	0.0596	0.0605	0.0608	0.0621	0.1297	0.1312	0.1330	0.1299	90-100	0.0781	2417	99.9,99.9
110	0.1060	0.1065	0.1075	0.1099	0.1983	0.2010	0.2005	0.1982	100-110	0.1316	2417	99.9,99.9
120	0.1997	0.2003	0.2031	0.2047	0.2998	0.3032	0.3015	0.2979	110-120	0.1939	2417	99.9,99.9
130	0.3632	0.3621	0.3678	0.3708	0.5247	0.5280	0.5230	0.5207	120-130	0.3022	2418	99.9,99.9
140	0.5797	0.5809	0.5896	0.5926	0.8625	0.8647	0.8617	0.8592	130-140	0.4444	2418	99.9,99.9
150	0.8262	0.8316	0.8382	0.8420	1.343	1.344	1.342	1.342	140-150	0.5656	2419	100,100
160	1.076	1.082	1.089	1.092	1.685	1.687	1.682	1.687	150-160	0.5763	2419	100,100
170	1.201	1.208	1.214	1.209	1.639	1.641	1.636	1.640	160-170	0.4046	2420	100,100
180	1.456	1.466	1.452	1.466	1.451	1.447	1.436	1.442	170-180	0.1355	2420	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1774.5 lm

%lum = 73.3%

%lamp = 73.3%

Conical surface Flux(120deg): 2219.8 lm

%lum = 91.7%

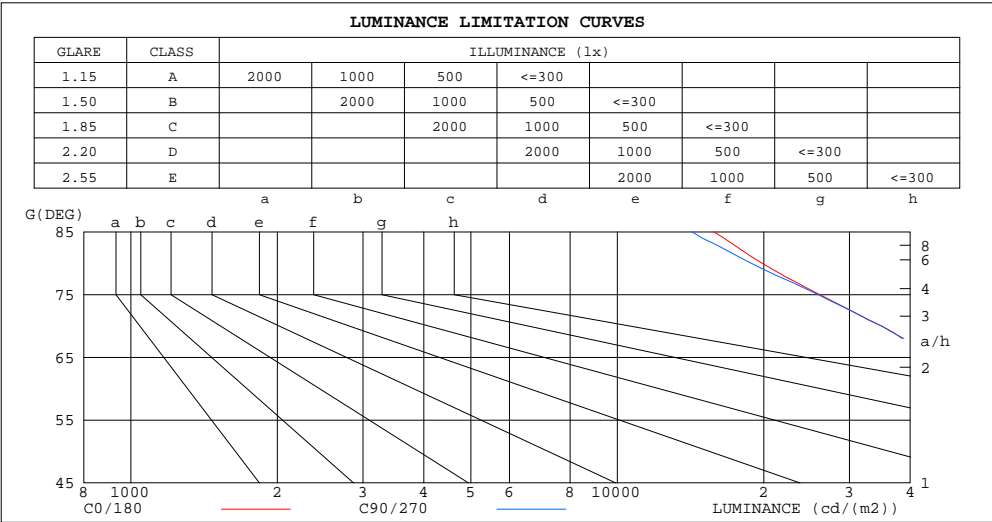
%lamp = 91.7%

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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	15790	14239
80	19844	18844
75	26065	25854
70	34925	34886
65	44758	45235
60	56909	57551
55	71437	72370
50	88294	89433
45	105594	105933

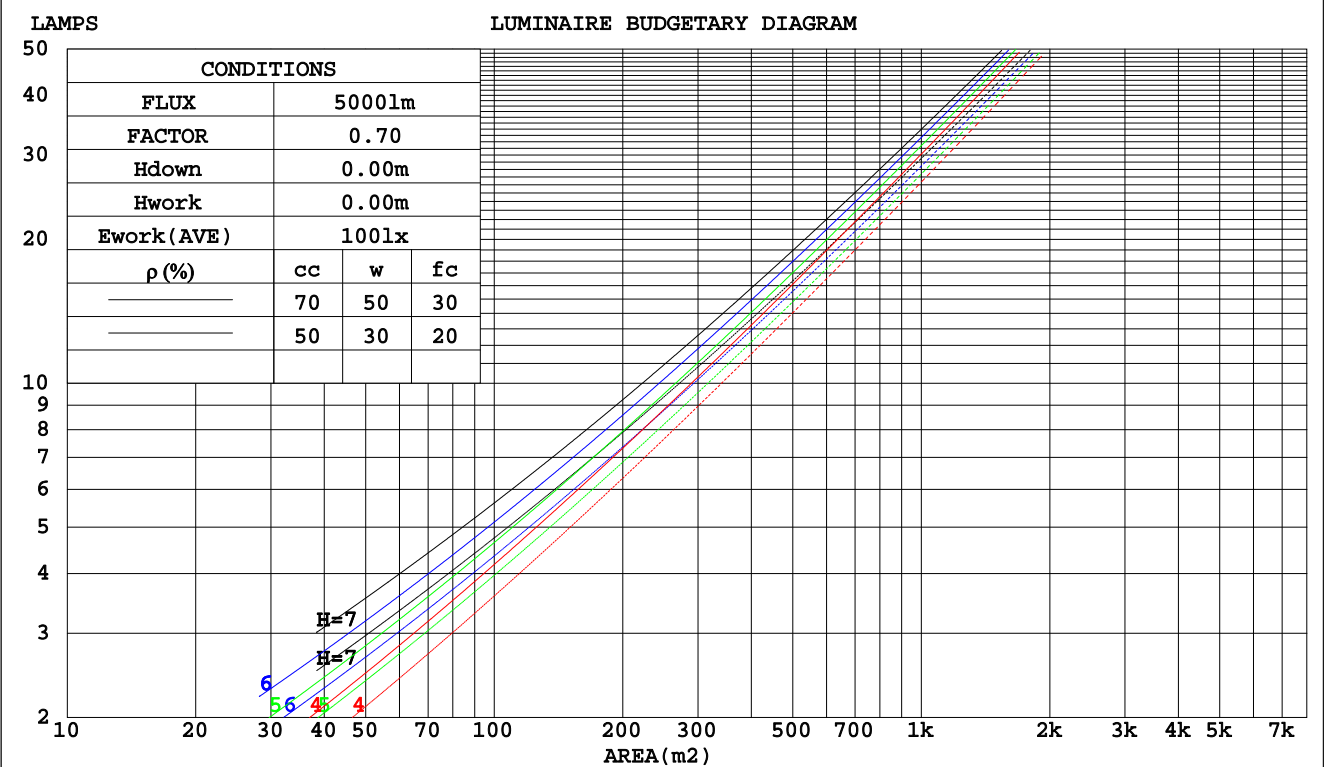
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:15 October 2024

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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	.230	.131	.042	.217	.125	.040	.205	.118	.038	.194	.113	.036	
2.0	.229	.125	.038	.223	.123	.038	.212	.118	.037	.201	.113	.035	.192	.109	.034	
3.0	.217	.115	.035	.212	.113	.034	.202	.109	.033	.193	.106	.032	.184	.102	.032	
4.0	.204	.106	.031	.200	.104	.031	.191	.101	.030	.183	.098	.030	.176	.095	.029	
5.0	.192	.098	.028	.188	.097	.028	.181	.094	.028	.174	.092	.027	.167	.089	.027	
6.0	.181	.091	.026	.177	.090	.026	.171	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.084	.024	.167	.083	.024	.161	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.076	.022	.148	.075	.022	.143	.073	.021	
9.0	.153	.074	.021	.150	.073	.021	.145	.072	.020	.141	.070	.020	.136	.069	.020	
10.0	.145	.069	.019	.142	.069	.019	.138	.068	.019	.134	.066	.019	.130	.065	.019	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.176	.158	.141	.151	.135	.121	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.165	.133	.107	.141	.115	.092	.097	.079	.064	.056	.046	.038	.018	.015	.012	
3.0	.155	.115	.083	.133	.099	.072	.091	.069	.050	.053	.040	.030	.017	.013	.010	
4.0	.147	.101	.066	.126	.087	.057	.087	.061	.040	.050	.036	.024	.016	.012	.008	
5.0	.139	.090	.054	.119	.078	.047	.082	.054	.033	.048	.032	.020	.015	.010	.006	
6.0	.132	.081	.045	.114	.070	.039	.078	.049	.028	.045	.029	.016	.015	.009	.005	
7.0	.126	.074	.038	.108	.064	.033	.075	.045	.023	.043	.027	.014	.014	.009	.005	
8.0	.120	.068	.033	.103	.059	.029	.071	.042	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.063	.029	.098	.055	.025	.068	.039	.018	.040	.023	.011	.013	.007	.004	
10.0	.109	.059	.025	.094	.051	.022	.065	.036	.016	.038	.021	.009	.012	.007	.003	

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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	26.8	28.0	27.0	28.2	28.4	26.8	28.0	27.0	28.2	28.4	
	3H	27.2	28.4	27.5	28.6	28.8	27.2	28.4	27.5	28.6	28.8
	4H	27.3	28.4	27.6	28.6	28.9	27.3	28.4	27.6	28.7	28.9
	6H	27.3	28.3	27.6	28.6	28.9	27.3	28.4	27.7	28.6	28.9
	8H	27.3	28.3	27.6	28.6	28.9	27.3	28.3	27.7	28.6	28.9
	12H	27.3	28.2	27.6	28.5	28.8	27.3	28.3	27.6	28.5	28.8
4H	2H	27.0	28.0	27.3	28.3	28.5	27.0	28.1	27.3	28.3	28.6
	3H	27.5	28.5	27.8	28.7	29.0	27.5	28.5	27.9	28.8	29.1
	4H	27.7	28.5	28.0	28.8	29.2	27.7	28.6	28.1	28.9	29.2
	6H	27.8	28.5	28.1	28.9	29.2	27.8	28.5	28.2	28.9	29.2
	8H	27.8	28.5	28.2	28.8	29.2	27.8	28.5	28.2	28.8	29.2
	12H	27.8	28.4	28.2	28.8	29.2	27.8	28.4	28.2	28.8	29.2
8H	4H	27.7	28.4	28.1	28.7	29.1	27.7	28.4	28.1	28.8	29.1
	6H	27.8	28.4	28.2	28.8	29.2	27.8	28.4	28.3	28.8	29.2
	8H	27.8	28.4	28.3	28.8	29.2	27.9	28.4	28.3	28.8	29.2
	12H	27.9	28.3	28.3	28.8	29.2	27.9	28.3	28.3	28.8	29.2
12H	4H	27.6	28.3	28.1	28.7	29.1	27.7	28.3	28.1	28.7	29.1
	6H	27.8	28.3	28.2	28.7	29.2	27.8	28.3	28.3	28.7	29.2
	8H	27.8	28.3	28.3	28.7	29.2	27.9	28.3	28.3	28.7	29.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.9					+ 0.7 / - 0.9					
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					
2.0H	+ 1.4 / - 1.4					+ 1.4 / - 1.4					

CIE Pub.117, 2420 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.1$)
Area: 0.00708462 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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

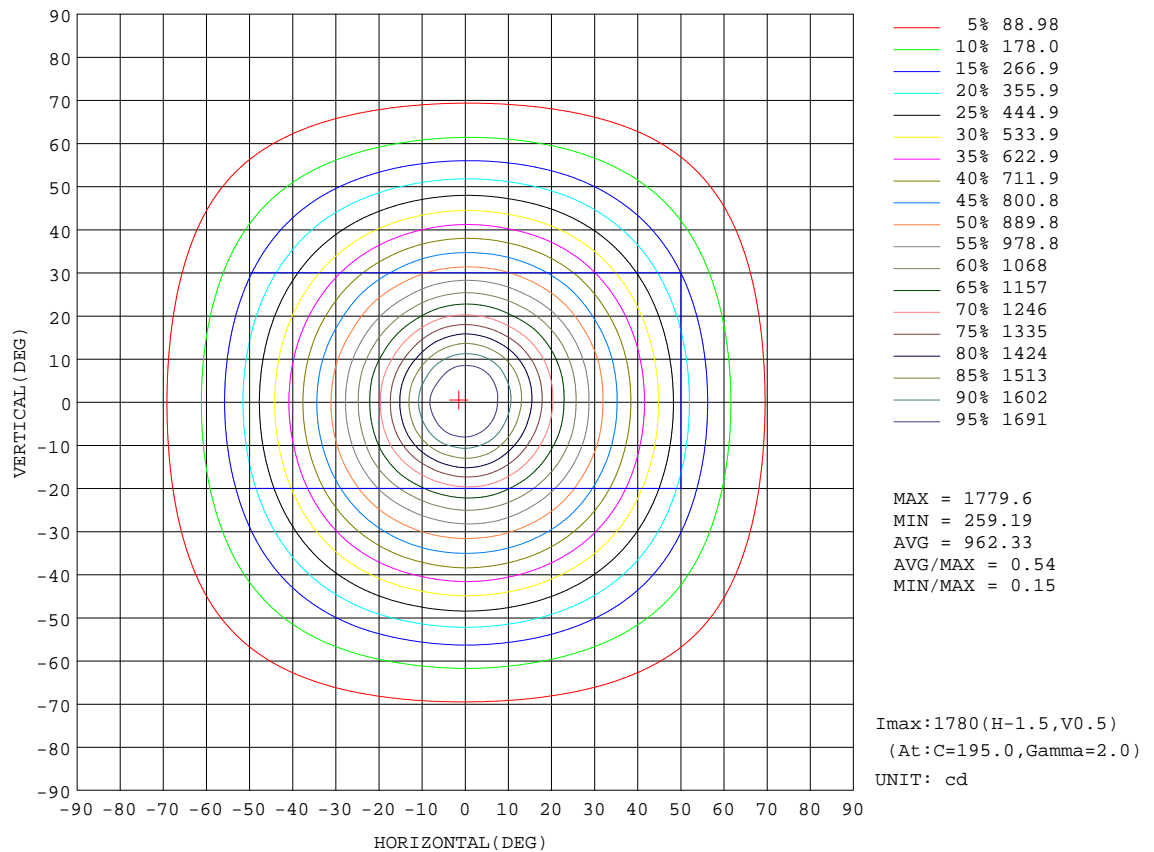
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	54	68	59	54	67	59	53	48
0.80	79	69	64	78	69	63	76	68	63	57
1.00	86	78	72	85	77	72	83	78	71	65
1.25	92	84	79	91	84	78	89	82	78	72
1.50	96	89	84	95	88	83	92	87	82	76
2.00	102	95	90	100	94	90	97	92	88	82
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	94	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	103	100	92
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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



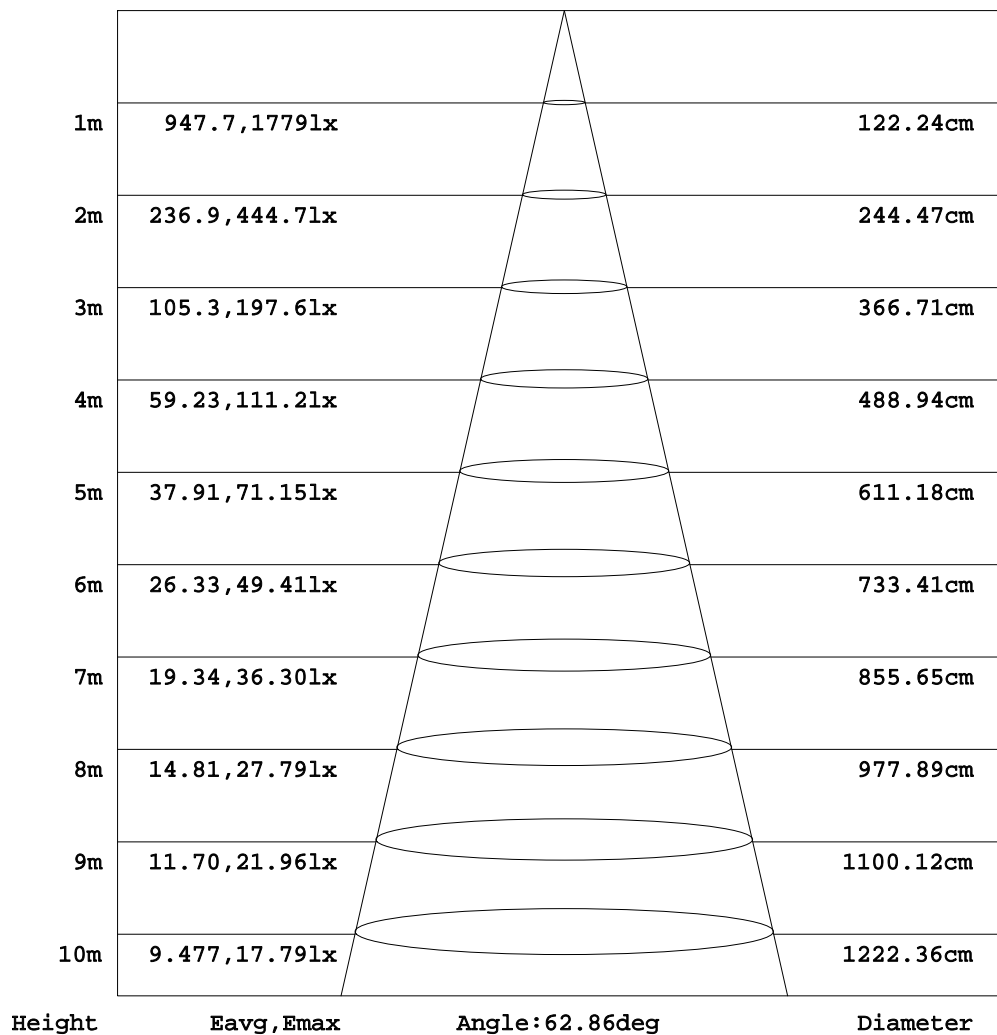
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 15 October 2024

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

Flux out:1163 lm



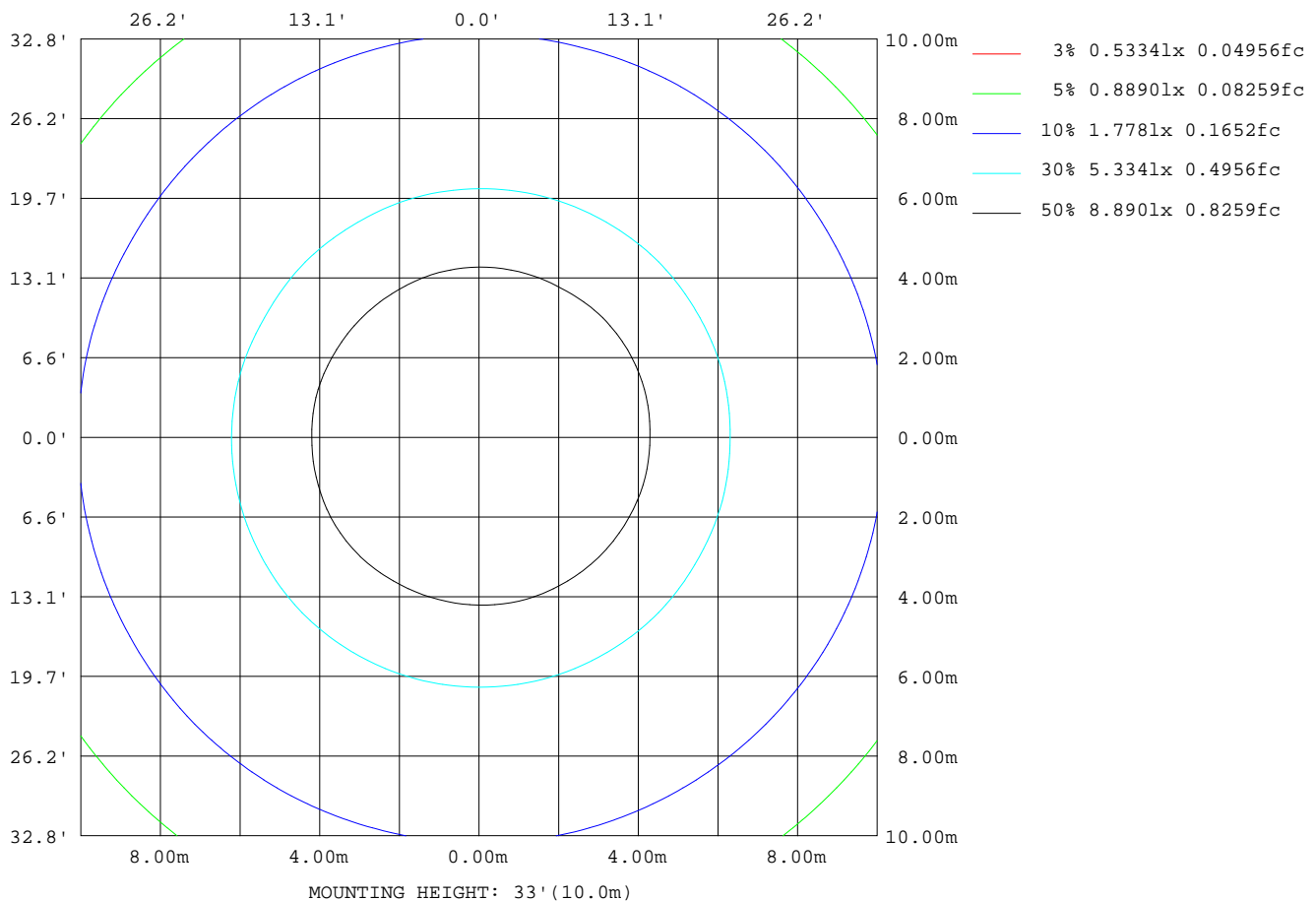
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

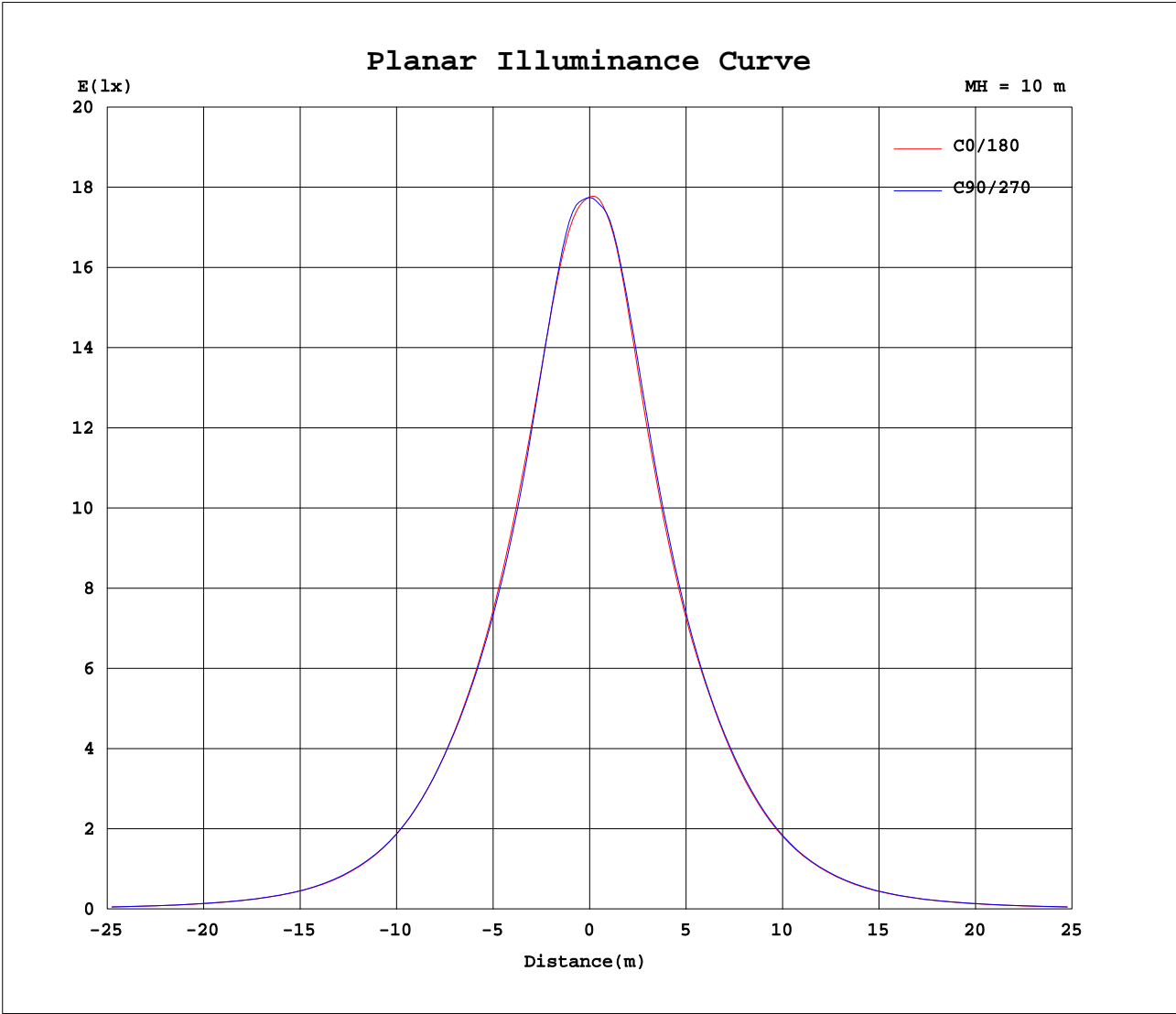
AvgL	cd/m2
L_0~180(65)av	44124
L_0~180(75)av	25898
L_0~180(85)av	15869
L_90~270(65)av	44756
L_90~270(75)av	25961
L_90~270(85)av	14799
L_45(65)av	44336
L_45(75)av	25906
L_45(85)av	15407

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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	1776	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1776	1775	1775	1775	1775	1775	1775
5	1739	1741	1742	1744	1747	1753	1758	1761	1761	1760	1757	1755	1755	1755	1753	1752	1753	1755	1756
10	1620	1614	1614	1620	1623	1623	1628	1627	1633	1632	1628	1629	1633	1632	1626	1631	1638	1643	1644
15	1440	1431	1429	1429	1433	1434	1431	1427	1429	1436	1436	1432	1431	1433	1433	1433	1443	1450	1458
20	1256	1251	1243	1242	1239	1239	1231	1227	1227	1236	1242	1238	1233	1236	1232	1237	1243	1254	1256
25	1089	1090	1086	1078	1074	1072	1070	1062	1062	1069	1072	1062	1061	1065	1062	1061	1064	1074	1080
30	941	944	940	940	935	936	931	929	927	928	923	921	919	918	910	917	916	925	928
35	807	806	803	806	803	803	802	802	799	795	790	785	785	782	777	781	782	790	792
40	667	665	667	667	668	667	668	664	663	659	652	646	647	645	641	643	647	651	657
45	529	530	530	530	530	531	531	527	526	523	516	513	513	511	507	509	513	515	520
50	402	402	403	404	406	407	407	405	404	399	393	390	392	390	386	388	390	393	397
55	290	291	292	292	293	293	294	291	291	287	283	281	282	281	281	283	283	284	287
60	202	202	203	202	201	202	204	202	201	200	197	196	195	195	194	195	194	196	198
65	134	133	134	134	134	135	135	134	135	134	132	130	130	129	130	129	130	131	133
70	84.6	83.7	83.6	83.9	84.2	84.5	84.5	84.9	84.9	84.0	83.1	82.3	81.7	81.0	81.2	81.5	82.0	82.7	83.3
75	47.8	47.3	47.0	47.3	47.7	47.6	47.4	47.6	48.0	47.7	47.4	47.0	47.2	46.9	47.0	47.2	47.6	47.7	47.8
80	24.4	24.3	24.0	24.0	23.8	23.4	23.2	23.5	24.0	23.9	24.1	24.2	24.5	24.5	24.5	24.5	24.3	24.2	24.1
85	9.75	9.56	9.23	9.33	9.26	9.05	8.79	9.15	9.34	9.35	9.44	9.74	9.85	9.59	9.47	9.68	9.77	9.60	9.48
90	0.07	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07
95	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.09	0.09	0.09	0.10	0.09	0.09
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.13
105	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.17	0.17	0.17	0.17	0.17	0.17	0.17
110	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.15	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.24	0.24	0.24	0.24	0.24	0.24	0.24
120	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.30	0.30	0.30	0.30	0.30	0.30	0.30
125	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.40	0.40	0.40	0.40	0.40	0.40	0.40
130	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.52	0.52	0.52	0.53	0.52	0.52	0.52
135	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.67	0.67	0.67	0.68	0.67	0.67	0.67
140	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.86	0.86	0.86	0.86	0.86	0.86	0.86
145	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	1.11	1.11	1.11	1.11	1.10	1.11	1.11
150	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	1.34	1.34	1.34	1.34	1.34	1.34	1.34
155	0.98	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.54	1.53	1.53	1.53	1.54	1.53	1.53
160	1.08	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.68	1.68	1.69	1.69	1.69	1.68	1.68
165	1.15	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.73	1.72	1.72	1.73	1.73	1.72	1.72
170	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.64	1.64	1.64	1.64	1.64	1.64	1.64
175	1.30	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.56	1.56	1.55	1.55	1.55	1.55	1.55
180	1.46	1.47	1.47	1.47	1.47	1.46	1.45	1.45	1.46	1.47	1.46	1.49	1.45	1.45	1.45	1.45	1.44	1.44	1.44

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:0.1611A P:19.03W PF:0.9842 Freq:60.00Hz Lamp Flux:2419.85x1 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	1775	1775	1775	1775	1775														
5	1753	1748	1743	1740	1737														
10	1649	1650	1645	1632	1628														
15	1457	1457	1460	1457	1450														
20	1254	1254	1264	1268	1264														
25	1080	1083	1093	1099	1096														
30	932	934	944	946	948														
35	796	800	805	804	810														
40	657	662	665	664	667														
45	520	526	528	527	527														
50	397	401	402	401	403														
55	288	290	288	289	290														
60	201	201	201	201	201														
65	133	134	134	134	134														
70	83.9	84.1	84.2	83.7	84.3														
75	48.1	48.2	47.9	47.7	48.1														
80	24.4	24.5	24.4	24.3	24.5														
85	9.76	9.88	9.69	9.67	9.94														
90	0.08	0.08	0.07	0.07	0.07														
95	0.09	0.09	0.09	0.09	0.09														
100	0.13	0.13	0.13	0.13	0.13														
105	0.17	0.17	0.17	0.17	0.17														
110	0.20	0.20	0.20	0.20	0.20														
115	0.24	0.24	0.24	0.24	0.23														
120	0.30	0.30	0.30	0.30	0.29														
125	0.40	0.40	0.39	0.39	0.39														
130	0.52	0.52	0.52	0.52	0.52														
135	0.67	0.67	0.67	0.67	0.67														
140	0.86	0.86	0.86	0.86	0.85														
145	1.11	1.11	1.10	1.10	1.10														
150	1.34	1.34	1.34	1.34	1.34														
155	1.54	1.54	1.54	1.54	1.53														
160	1.69	1.69	1.69	1.69	1.69														
165	1.72	1.72	1.73	1.73	1.73														
170	1.64	1.64	1.64	1.64	1.65														
175	1.55	1.55	1.55	1.56	1.56														
180	1.44	1.44	1.44	1.45	1.45														

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: