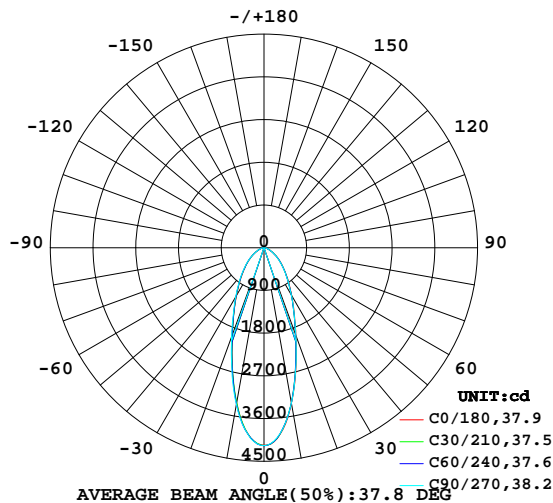


LUMINAIRE PHOTOMETRIC TEST REPORT

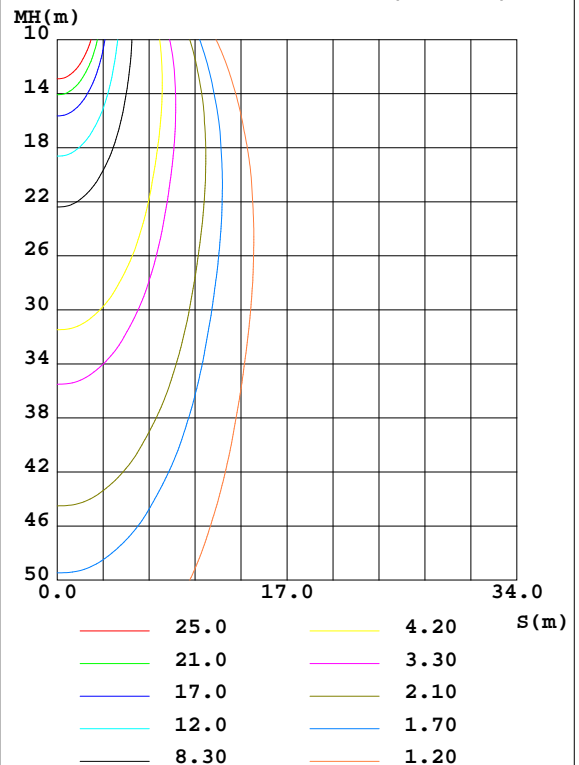
Test:U:120.0V I:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.67 lm/W			
MODEL	INDFPS030UNHD8SC2R6BZP	I _{max} (cd)	4173	S/MH(C0/180)	0.60
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	3329.5	η UP,DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	3329.54	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	99.9	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: 16 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	3330	3320	3326	3325	3323	3327	3357	3373	0- 10	356.2	356.2	10.7,10.7
20	1967	1941	1965	1988	1967	1955	2003	2029	10- 20	723.1	1079	32.4,32.4
30	1172	1158	1158	1167	1163	1174	1196	1211	20- 30	698.3	1778	53.4,53.4
40	717.9	707.7	702.9	707.2	707.4	717.7	731.2	739.5	30- 40	576.3	2354	70.7,70.7
50	431.4	426.9	422.0	420.3	424.8	429.9	437.4	440.3	40- 50	433.3	2787	83.7,83.7
60	229.1	228.1	223.4	219.7	226.1	230.0	232.5	232.5	50- 60	287.2	3074	92.3,92.3
70	106.8	106.2	104.4	102.2	104.3	106.8	108.3	108.2	60- 70	158.8	3233	97.1,97.1
80	38.84	37.84	38.72	38.76	37.86	37.95	40.16	40.90	70- 80	72.61	3306	99.3,99.3
90	0.1599	0.1358	0.1141	0.0864	0.0950	0.0978	0.1739	0.4754	80- 90	19.53	3325	99.9,99.9
100	0.0750	0.0759	0.0773	0.0775	0.1580	0.1567	0.1550	0.1529	90-100	0.1028	3326	99.9,99.9
110	0.1272	0.1287	0.1312	0.1305	0.2290	0.2277	0.2241	0.2223	100-110	0.1553	3326	99.9,99.9
120	0.2309	0.2349	0.2388	0.2387	0.3411	0.3383	0.3355	0.3340	110-120	0.2220	3326	99.9,99.9
130	0.4382	0.4433	0.4510	0.4517	0.6415	0.6352	0.6359	0.6338	120-130	0.3548	3326	99.9,99.9
140	0.7936	0.7998	0.8091	0.8104	1.238	1.232	1.233	1.233	130-140	0.5820	3327	99.9,99.9
150	1.275	1.284	1.294	1.290	2.237	2.233	2.226	2.227	140-150	0.8627	3328	99.9,99.9
160	1.692	1.707	1.711	1.700	2.936	2.936	2.912	2.917	150-160	0.9533	3329	100,100
170	1.828	1.848	1.855	1.829	2.783	2.791	2.764	2.766	160-170	0.6703	3329	100,100
180	2.242	2.234	2.239	2.259	2.239	2.234	2.196	2.210	170-180	0.2134	3330	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2588.6 lm

%lum = 77.7%

%lamp = 77.7%

Conical surface Flux(120deg): 3074.5 lm

%lum = 92.3%

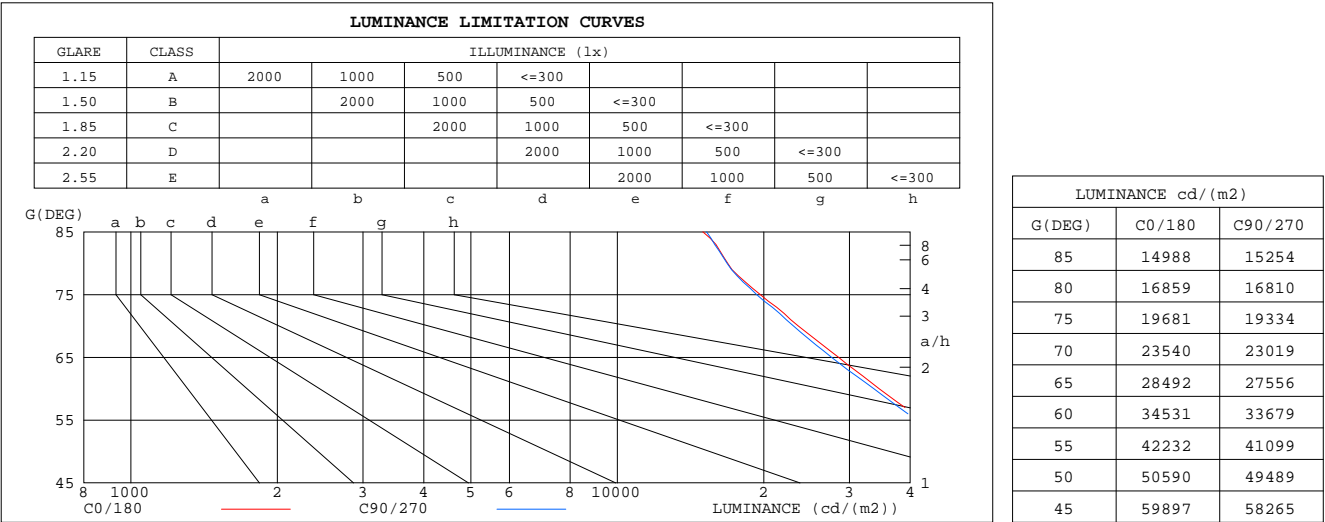
%lamp = 92.3%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



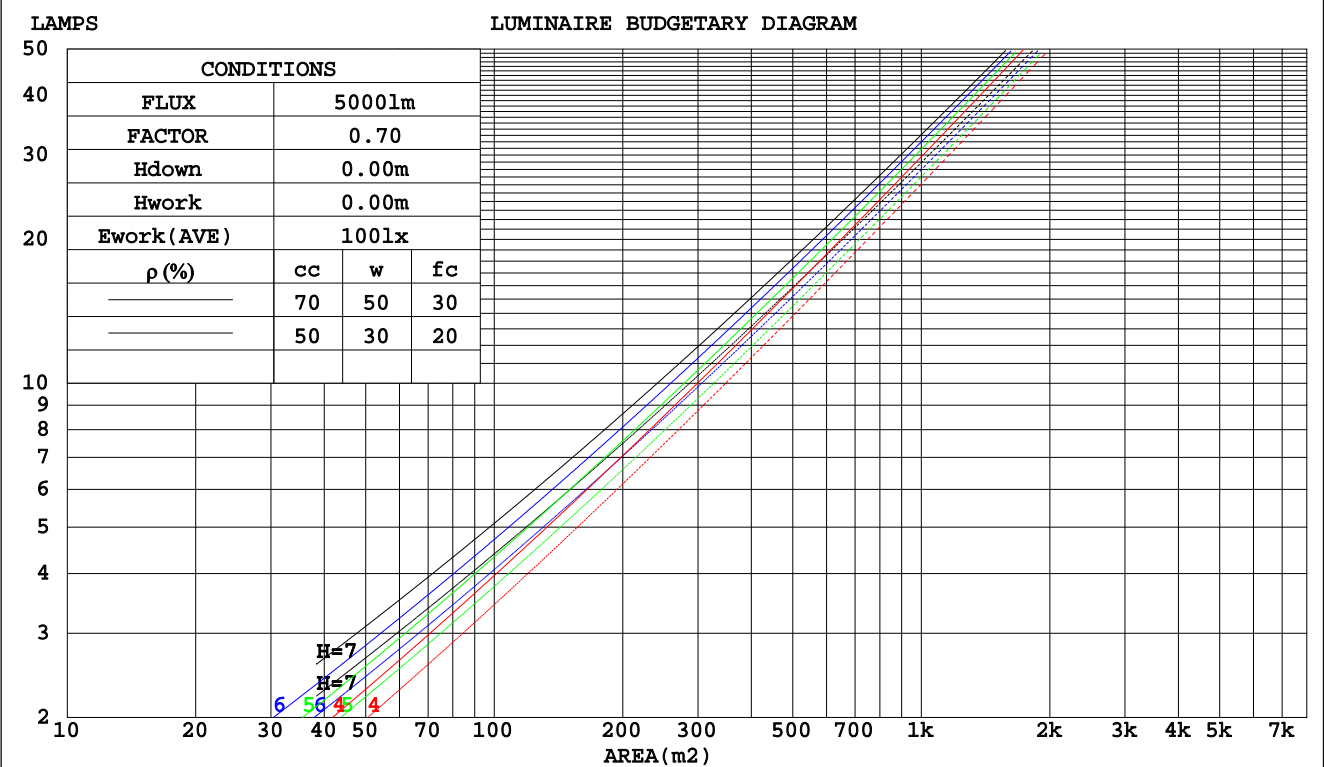
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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	.224	.127	.040	.217	.124	.039	.204	.117	.037	.192	.111	.036	.181	.105	.034	
2.0	.214	.117	.036	.208	.115	.035	.197	.110	.034	.187	.105	.033	.177	.100	.032	
3.0	.202	.107	.032	.197	.105	.032	.187	.101	.031	.178	.098	.030	.170	.094	.029	
4.0	.189	.098	.029	.185	.097	.029	.177	.094	.028	.169	.091	.027	.162	.088	.027	
5.0	.178	.091	.026	.174	.089	.026	.167	.087	.026	.160	.084	.025	.154	.082	.025	
6.0	.168	.084	.024	.164	.083	.024	.158	.081	.024	.152	.079	.023	.146	.077	.023	
7.0	.158	.078	.022	.155	.077	.022	.149	.075	.022	.144	.074	.021	.139	.072	.021	
8.0	.149	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	
9.0	.142	.068	.019	.139	.068	.019	.134	.066	.019	.130	.065	.019	.126	.064	.018	
10.0	.134	.064	.018	.132	.064	.018	.128	.063	.018	.124	.062	.018	.120	.061	.017	

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	.175	.158	.142	.150	.135	.122	.103	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.108	.139	.115	.094	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.115	.085	.131	.099	.074	.090	.069	.052	.052	.040	.030	.017	.013	.010	
4.0	.143	.101	.068	.123	.087	.059	.084	.061	.042	.049	.035	.025	.016	.012	.008	
5.0	.135	.089	.056	.116	.077	.049	.080	.054	.034	.046	.032	.020	.015	.010	.007	
6.0	.128	.081	.047	.110	.070	.041	.076	.049	.029	.044	.029	.017	.014	.009	.006	
7.0	.121	.073	.040	.104	.063	.035	.072	.044	.025	.042	.026	.015	.013	.009	.005	
8.0	.115	.067	.034	.099	.058	.030	.068	.041	.021	.040	.024	.013	.013	.008	.004	
9.0	.109	.062	.030	.094	.054	.026	.065	.038	.019	.038	.022	.011	.012	.007	.004	
10.0	.104	.058	.027	.090	.050	.023	.062	.035	.016	.036	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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	24.2	25.3	24.4	25.5	25.7	24.1	25.2	24.3	25.4	25.6
3H	24.8	25.8	25.0	26.0	26.2	24.6	25.7	24.9	25.9	26.1
4H	25.0	26.0	25.2	26.2	26.4	24.8	25.9	25.1	26.1	26.3
6H	25.1	26.0	25.4	26.3	26.5	25.0	25.9	25.3	26.2	26.4
8H	25.1	26.0	25.4	26.3	26.6	25.0	25.9	25.3	26.2	26.5
12H	25.1	26.0	25.5	26.3	26.6	25.0	25.9	25.4	26.2	26.5
4H 2H	24.4	25.4	24.7	25.6	25.9	24.3	25.3	24.6	25.6	25.8
3H	25.1	26.0	25.5	26.3	26.6	25.1	25.9	25.4	26.2	26.5
4H	25.4	26.2	25.8	26.5	26.9	25.3	26.1	25.7	26.4	26.8
6H	25.6	26.4	26.0	26.7	27.0	25.6	26.3	25.9	26.6	27.0
8H	25.7	26.4	26.1	26.7	27.1	25.6	26.3	26.0	26.6	27.0
12H	25.8	26.4	26.2	26.7	27.1	25.7	26.3	26.1	26.7	27.0
8H 4H	25.5	26.2	25.9	26.5	26.9	25.4	26.1	25.8	26.4	26.8
6H	25.8	26.3	26.2	26.7	27.2	25.7	26.2	26.1	26.6	27.1
8H	25.9	26.4	26.4	26.8	27.3	25.8	26.3	26.3	26.7	27.2
12H	26.0	26.4	26.5	26.9	27.3	25.9	26.3	26.4	26.8	27.3
12H 4H	25.5	26.1	25.9	26.5	26.8	25.4	26.0	25.8	26.4	26.8
6H	25.8	26.3	26.2	26.7	27.1	25.7	26.2	26.2	26.6	27.1
8H	25.9	26.4	26.4	26.8	27.3	25.9	26.3	26.3	26.7	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 1.1 / - 0.9					+ 1.1 / - 0.9				

CIE Pub.117, 3330 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
Area: 0.0132665 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

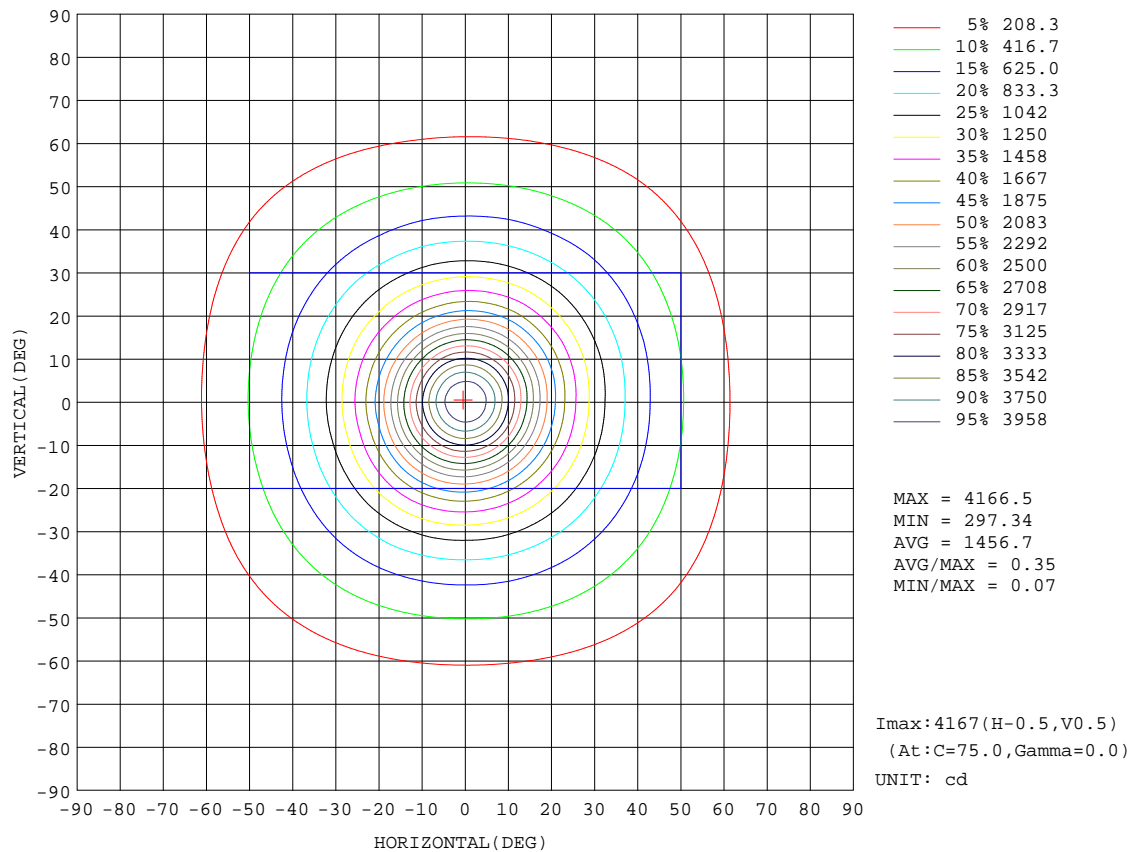
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	73	64	59	72	64	59	54
0.80	82	74	68	81	73	68	80	73	68	63
1.00	89	81	76	88	80	75	86	81	75	69
1.25	94	87	82	93	86	82	91	85	81	75
1.50	98	91	86	97	91	86	94	89	85	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	106	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	102	98	102	99	96	89
4.00	111	107	103	108	105	102	105	102	99	91
5.00	112	109	106	110	107	105	106	104	101	93
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: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

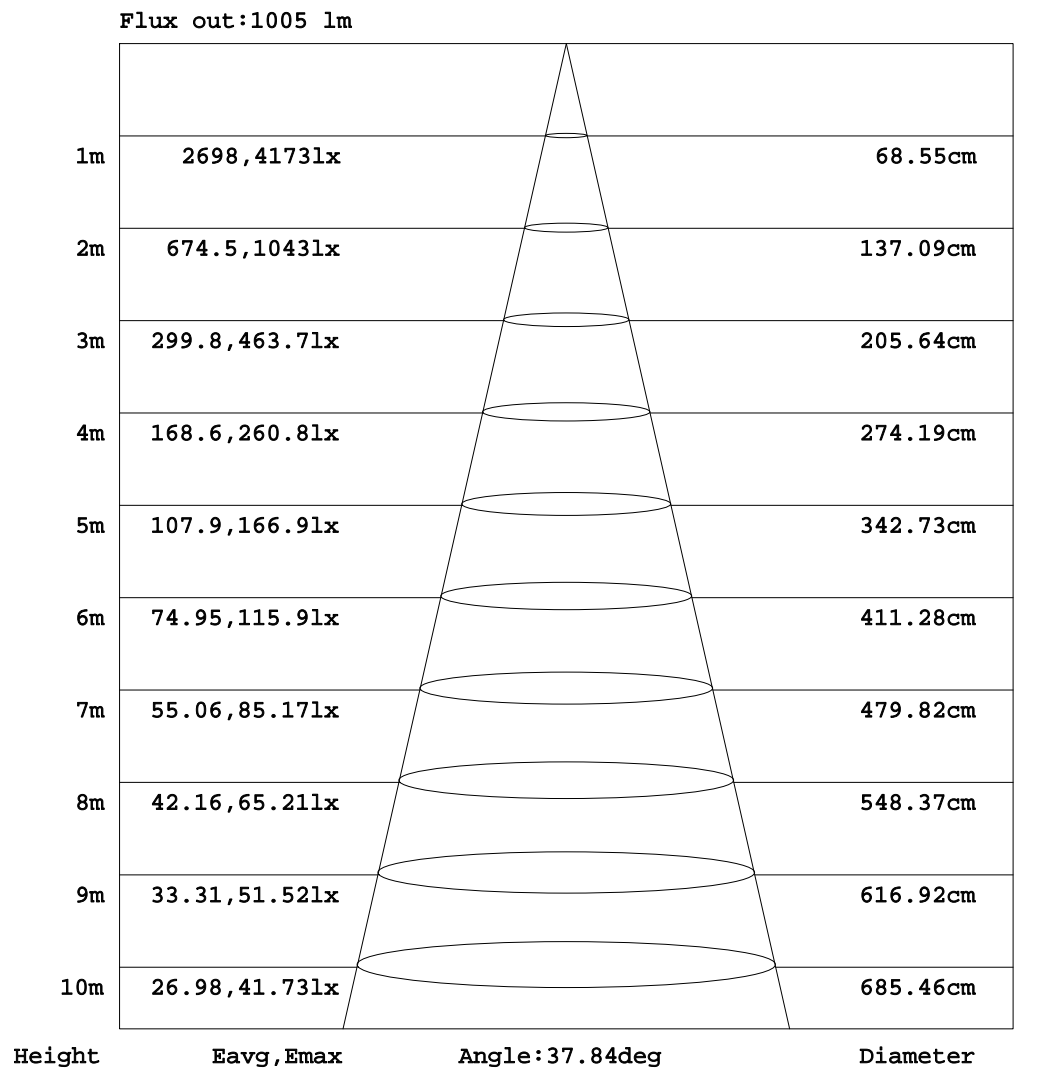


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 October 2024

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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:



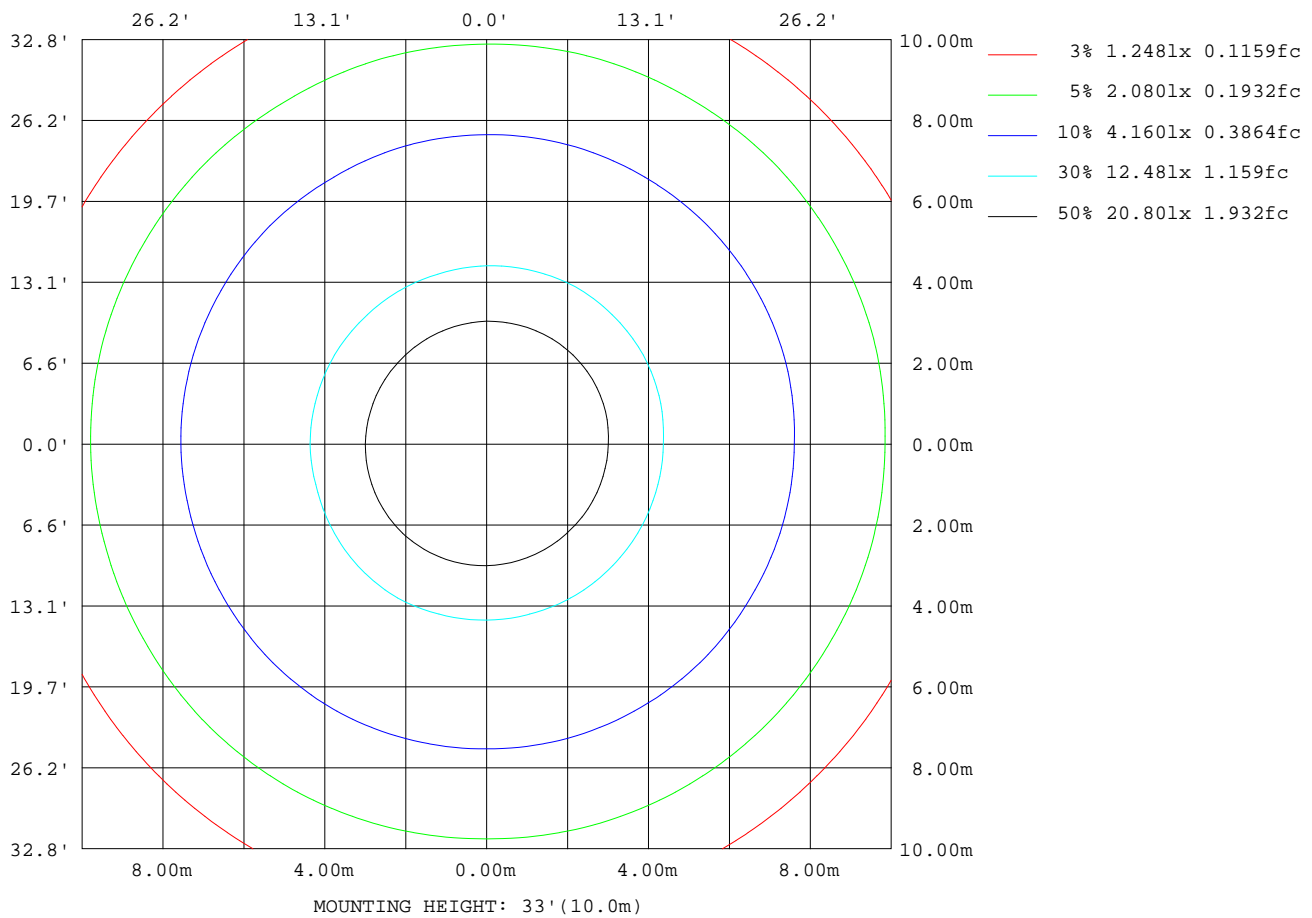
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:Alan Wang
 Test Date:16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 lm		
NAME: Optic/CCT/Wattage/Up & Down Light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LEDVANCE LLC	SUR.:	Shielding Angle:

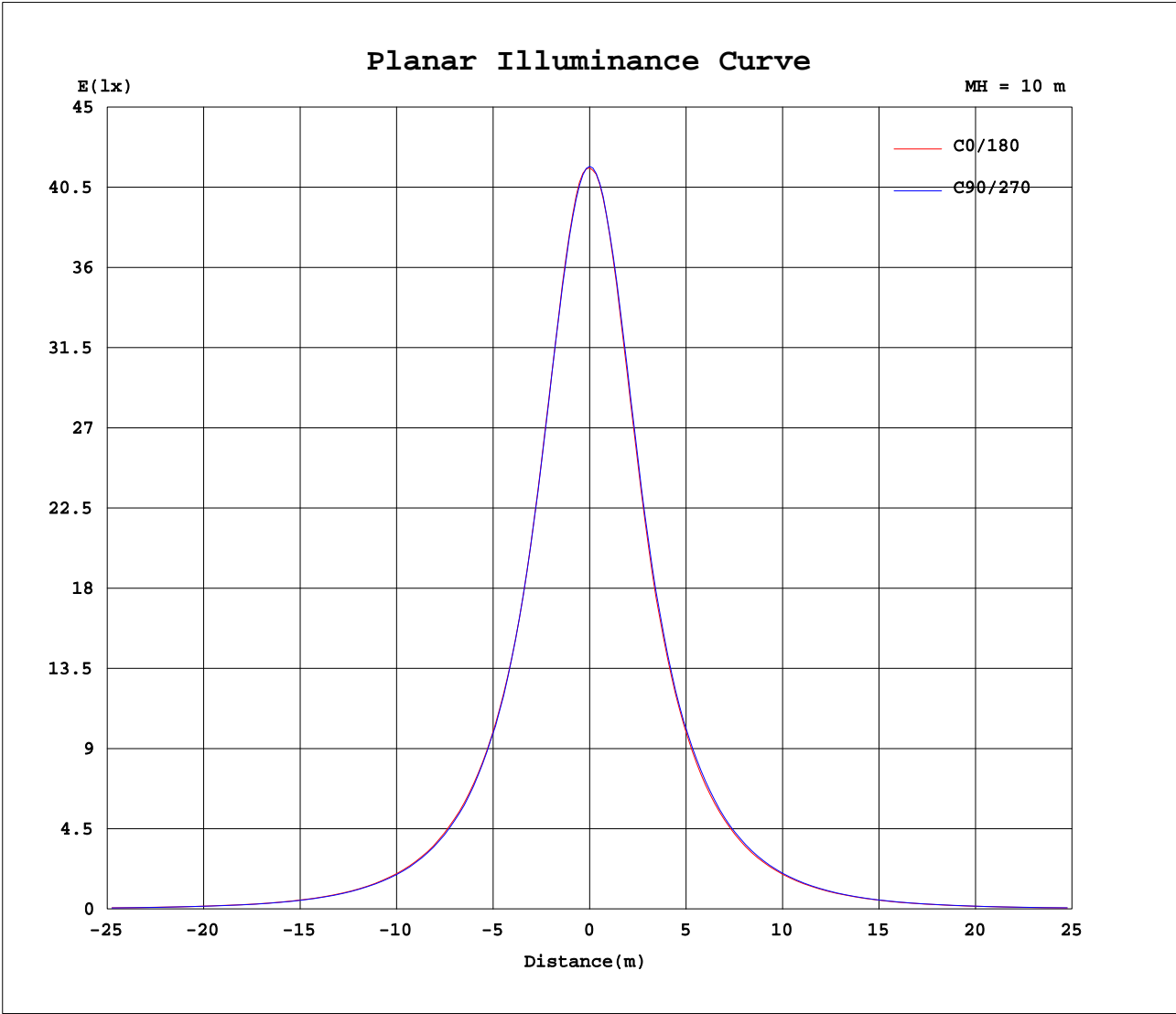
AvgL	cd/m2
L_0~180(65)av	28189
L_0~180(75)av	19415
L_0~180(85)av	14585
L_90~270(65)av	28064
L_90~270(75)av	19719
L_90~270(85)av	15663
L_45(65)av	28124
L_45(75)av	19487
L_45(85)av	15169

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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	4160	4160	4168	4171	4172	4173	4167	4171	4171	4163	4164	4162	4160	4160	4168	4171	4172	4173	4167
5	3942	3939	3937	3938	3929	3925	3926	3926	3923	3921	3924	3925	3935	3936	3933	3942	3937	3940	3940
10	3330	3320	3322	3320	3324	3323	3326	3327	3326	3325	3320	3314	3323	3312	3315	3327	3345	3354	3357
15	2608	2586	2579	2576	2578	2582	2598	2612	2613	2620	2614	2606	2600	2584	2581	2585	2595	2611	2631
20	1967	1951	1946	1941	1945	1952	1965	1980	1989	1988	1970	1955	1967	1957	1952	1955	1967	1978	2003
25	1507	1495	1490	1484	1486	1487	1495	1503	1519	1511	1498	1485	1503	1502	1505	1498	1506	1509	1527
30	1172	1164	1160	1158	1156	1160	1158	1166	1170	1167	1152	1147	1163	1168	1176	1174	1179	1186	1196
35	920	915	901	905	900	900	900	902	912	908	908	907	907	914	915	921	919	930	930
40	718	714	710	708	708	706	703	706	710	707	699	699	707	713	715	718	720	727	731
45	562	560	554	553	552	550	547	551	553	552	546	547	552	557	558	559	559	566	568
50	431	429	429	427	427	425	422	422	423	420	417	417	425	427	429	430	432	435	437
55	321	322	321	320	318	316	313	313	312	310	308	310	317	320	321	321	323	324	324
60	229	230	230	228	226	225	223	223	223	220	218	220	226	229	230	230	231	231	233
65	160	160	159	158	157	156	154	155	154	152	152	153	156	158	159	159	160	159	160
70	107	107	107	106	106	105	104	104	103	102	102	102	104	106	106	107	108	108	108
75	67.6	67.2	67.1	66.5	65.8	66.2	66.4	65.8	65.3	65.1	65.0	64.8	65.7	66.3	66.8	67.1	67.5	68.4	69.0
80	38.8	38.6	38.6	37.8	37.4	38.1	38.7	38.9	38.6	38.8	38.5	37.9	37.9	37.7	38.1	37.9	38.2	39.3	40.2
85	17.3	17.4	17.8	17.4	16.4	17.2	17.6	17.0	16.1	16.9	17.7	17.2	16.4	16.8	17.3	17.1	16.8	17.9	18.6
90	0.16	0.19	0.10	0.14	0.10	0.08	0.11	0.07	0.07	0.09	0.09	0.08	0.10	0.09	0.09	0.10	0.10	0.12	0.17
95	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12
100	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.16	0.16	0.16	0.16	0.16	0.16	0.15
105	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
110	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.23	0.23	0.23	0.23	0.23	0.22	0.22
115	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.17	0.17	0.17	0.27	0.27	0.27	0.27	0.27	0.27	0.27
120	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.34	0.34	0.34	0.34	0.34	0.34	0.34
125	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.46	0.46	0.46	0.46	0.46	0.46	0.46
130	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.64	0.64	0.64	0.64	0.63	0.63	0.64
135	0.60	0.60	0.60	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.89	0.89	0.88	0.88	0.88	0.88	0.88
140	0.79	0.79	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	1.24	1.23	1.23	1.23	1.23	1.23	1.23
145	1.05	1.05	1.05	1.05	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.74	1.74	1.73	1.73	1.73	1.73	1.73
150	1.28	1.28	1.28	1.28	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	2.24	2.23	2.23	2.23	2.23	2.23	2.23
155	1.56	1.56	1.57	1.57	1.57	1.57	1.57	1.58	1.57	1.57	1.57	1.57	2.64	2.64	2.64	2.64	2.63	2.62	2.62
160	1.69	1.70	1.70	1.71	1.71	1.71	1.71	1.71	1.70	1.70	1.70	1.70	2.94	2.93	2.94	2.94	2.93	2.92	2.91
165	1.79	1.80	1.81	1.81	1.80	1.81	1.80	1.81	1.80	1.80	1.80	1.79	3.00	3.00	3.01	3.00	2.99	2.97	2.97
170	1.83	1.84	1.84	1.85	1.85	1.85	1.86	1.85	1.84	1.83	1.83	1.83	2.78	2.79	2.79	2.79	2.79	2.78	2.76
175	1.91	1.93	1.94	1.94	1.93	1.94	1.93	1.93	1.93	1.91	1.91	1.91	2.50	2.51	2.51	2.51	2.49	2.48	2.46
180	2.24	2.24	2.24	2.23	2.23	2.24	2.24	2.24	2.25	2.26	2.24	2.29	2.24	2.24	2.24	2.23	2.22	2.21	2.20

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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:0.2005A P:24.01W PF:0.9977 Freq:60.00Hz Lamp Flux:3329.54x1 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	4171	4171	4163	4164	4162													
5	3950	3955	3950	3954	3955													
10	3367	3371	3373	3363	3359													
15	2645	2658	2666	2662	2645													
20	2019	2036	2029	2027	2007													
25	1543	1560	1555	1554	1538													
30	1203	1211	1211	1204	1197													
35	941	944	947	942	938													
40	736	735	740	735	733													
45	573	572	576	575	573													
50	439	439	440	439	438													
55	325	325	325	325	325													
60	234	234	232	231	231													
65	162	162	161	160	160													
70	109	108	108	108	108													
75	68.7	68.7	69.0	69.1	69.1													
80	40.4	40.4	40.9	40.7	40.3													
85	18.4	17.9	18.8	19.4	19.0													
90	0.28	0.34	0.48	0.43	0.42													
95	0.12	0.12	0.12	0.12	0.12													
100	0.15	0.15	0.15	0.15	0.15													
105	0.19	0.19	0.19	0.19	0.19													
110	0.22	0.22	0.22	0.22	0.22													
115	0.26	0.27	0.27	0.26	0.26													
120	0.34	0.34	0.33	0.33	0.33													
125	0.46	0.46	0.46	0.45	0.45													
130	0.64	0.64	0.63	0.63	0.63													
135	0.88	0.89	0.88	0.88	0.88													
140	1.23	1.23	1.23	1.23	1.23													
145	1.73	1.73	1.73	1.73	1.73													
150	2.23	2.23	2.23	2.22	2.23													
155	2.62	2.63	2.63	2.62	2.63													
160	2.91	2.92	2.92	2.92	2.92													
165	2.96	2.97	2.98	2.98	2.99													
170	2.75	2.76	2.77	2.77	2.78													
175	2.46	2.47	2.48	2.49	2.49													
180	2.20	2.20	2.21	2.21	2.22													

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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: