

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P762861

Luminaire Tested: LD6D25D010-EU6DR1515309024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR1515309024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2353.1 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

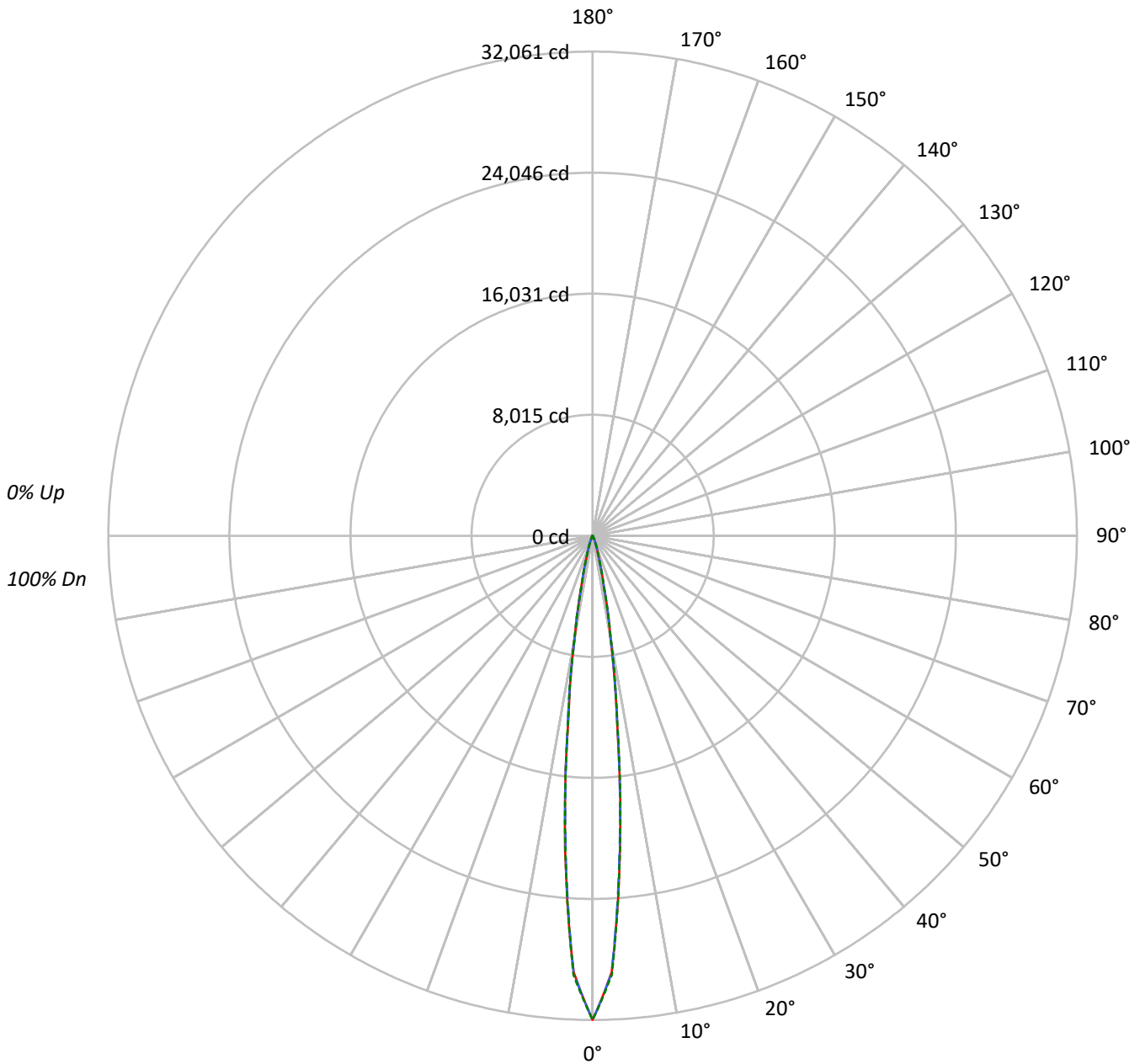


Downlight



TEST NUMBER: P762861
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3607513	3607513	3607513
5°	2119948	2092498	2109044
10°	632709	637142	646892
15°	157376	160442	155491
20°	47089	54527	48087
25°	16601	21150	16811
30°	6095	8027	6200
35°	3057	3449	2956
40°	1924	2123	1924
45°	1428	1519	1428
50°	1133	1133	1133
55°	947	947	947
60°	765	765	765
65°	578	578	578
70°	497	497	497
75°	310	310	408
80°	213	213	213
85°	116	116	116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1519 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1526.2	64.9
10°-20°	627.8	26.7
20°-30°	124.7	5.3
30°-40°	31.1	1.3
40°-50°	16.4	0.7
50°-60°	12.1	0.5
60°-70°	8.6	0.4
70°-80°	4.9	0.2
80°-90°	1.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2278.6	96.8
0°-40°	2309.7	98.2
0°-60°	2338.2	99.4
0°-90°	2353.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2353.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32061	32061	32061	32061	32061	
5°	20860	20645	20590	20732	20752	1523
15°	1812	1846	1847	1815	1790	621
25°	213	242	272	240	216	112
35°	42	45	48	45	41	29
45°	20	20	22	20	20	16
55°	14	14	14	14	14	12
65°	8	8	8	8	8	9
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32061.1	32061.1	32061.1	32061.1	32061.1
2.5°	28920.4	28944.8	28954.3	28982.8	29088.7
5°	20859.7	20645.2	20589.6	20732.1	20752.4
7.5°	12356.5	12399.9	12558.7	12594.0	12466.4
10°	6780.9	6836.5	6828.4	6877.2	6932.9
12.5°	3467.8	3424.4	3410.8	3466.4	3389.1
15°	1811.9	1845.9	1847.2	1814.7	1790.2
17.5°	974.5	1013.9	1079.0	1026.1	944.7
20°	575.5	610.8	666.4	623.0	587.7
22.5°	355.6	384.1	423.5	389.5	361.0
25°	213.1	241.6	271.5	240.2	215.8
27.5°	126.2	150.7	169.7	149.3	124.9
30°	81.4	95.0	107.2	93.7	82.8
32.5°	57.0	62.4	67.9	62.4	57.0
35°	42.1	44.8	47.5	44.8	40.7
37.5°	32.6	35.3	36.6	33.9	31.2
40°	27.1	28.5	29.9	28.5	27.1
42.5°	23.1	24.4	24.4	24.4	23.1
45°	20.4	20.4	21.7	20.4	20.4
47.5°	17.6	17.6	19.0	17.6	17.6
50°	16.3	16.3	16.3	16.3	16.3
52.5°	14.9	14.9	14.9	14.9	14.9
55°	13.6	13.6	13.6	13.6	13.6
57.5°	12.2	12.2	12.2	12.2	12.2
60°	10.9	10.9	10.9	10.9	10.9
62.5°	9.5	9.5	9.5	9.5	9.5
65°	8.1	8.1	8.1	8.1	8.1
67.5°	8.1	8.1	8.1	8.1	8.1
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.1	4.1	4.1	4.1	5.4
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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