

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: P760952

Luminaire Tested: LD6D15D010-EU6DR1515309027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760952
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: LD6D15D010-EU6DR1515309027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1250.8 lumens
Efficiency: N/A
Efficacy: 79.2 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): 15.8
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

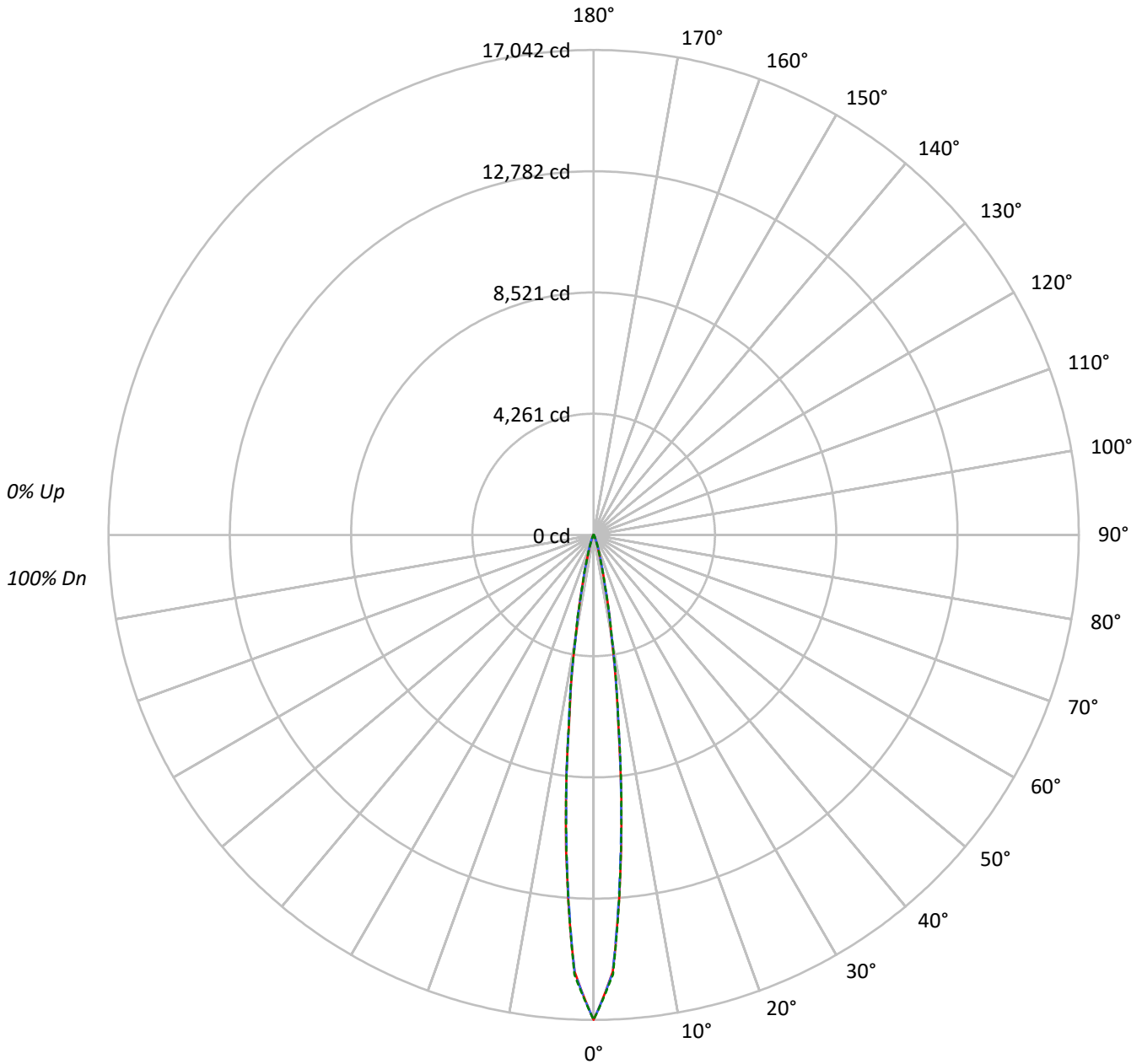


Downlight



TEST NUMBER: P760952
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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°	1917531	1917531	1917531
5°	1126831	1112247	1121038
10°	336309	338660	343848
15°	83652	85285	82653
20°	25030	28982	25561
25°	8826	11241	8935
30°	3242	4268	3295
35°	1627	1837	1569
40°	1023	1129	1023
45°	756	805	756
50°	605	605	605
55°	501	501	501
60°	407	407	407
65°	307	307	307
70°	263	263	263
75°	166	166	219
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.2	64.9
10°-20°	333.7	26.7
20°-30°	66.3	5.3
30°-40°	16.5	1.3
40°-50°	8.7	0.7
50°-60°	6.4	0.5
60°-70°	4.6	0.4
70°-80°	2.6	0.2
80°-90°	0.8	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°	1211.2	96.8
0°-40°	1227.7	98.2
0°-60°	1242.9	99.4
0°-90°	1250.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17042	17042	17042	17042	17042	
5°	11088	10974	10944	11020	11031	810
15°	963	981	982	965	952	330
25°	113	128	144	128	115	59
35°	22	24	25	24	22	15
45°	11	11	12	11	11	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
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°	17041.7	17041.7	17041.7	17041.7	17041.7
2.5°	15372.3	15385.3	15390.4	15405.5	15461.8
5°	11087.7	10973.7	10944.2	11019.9	11030.7
7.5°	6567.9	6591.0	6675.4	6694.2	6626.4
10°	3604.3	3633.9	3629.5	3655.5	3685.1
12.5°	1843.3	1820.2	1813.0	1842.5	1801.4
15°	963.1	981.2	981.9	964.6	951.6
17.5°	518.0	538.9	573.5	545.4	502.1
20°	305.9	324.6	354.2	331.1	312.4
22.5°	189.0	204.2	225.1	207.1	191.9
25°	113.3	128.4	144.3	127.7	114.7
27.5°	67.1	80.1	90.2	79.4	66.4
30°	43.3	50.5	57.0	49.8	44.0
32.5°	30.3	33.2	36.1	33.2	30.3
35°	22.4	23.8	25.3	23.8	21.6
37.5°	17.3	18.8	19.5	18.0	16.6
40°	14.4	15.2	15.9	15.2	14.4
42.5°	12.3	13.0	13.0	13.0	12.3
45°	10.8	10.8	11.5	10.8	10.8
47.5°	9.4	9.4	10.1	9.4	9.4
50°	8.7	8.7	8.7	8.7	8.7
52.5°	7.9	7.9	7.9	7.9	7.9
55°	7.2	7.2	7.2	7.2	7.2
57.5°	6.5	6.5	6.5	6.5	6.5
60°	5.8	5.8	5.8	5.8	5.8
62.5°	5.1	5.1	5.1	5.1	5.1
65°	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.9
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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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