

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: P759992

Luminaire Tested: LD6D10D010-EU6DR150210IC9050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759992
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: LD6D10D010-EU6DR150210IC9050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1030.5 lumens
Efficiency: N/A
Efficacy: 88.1 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): 11.7
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

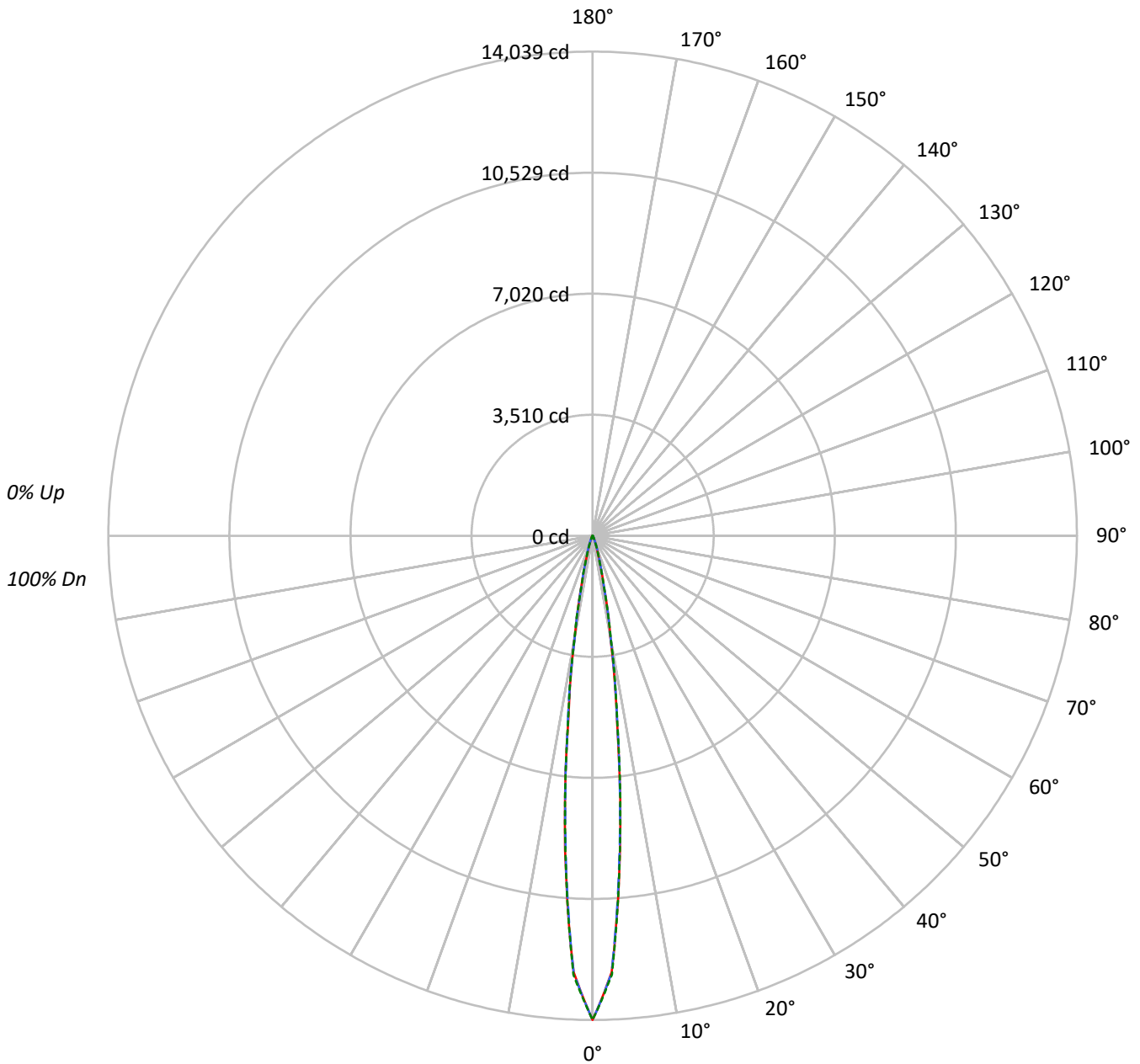


Downlight



TEST NUMBER: P759992
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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1579690	1579690	1579690
5°	928299	916286	923532
10°	277058	278999	283263
15°	68912	70258	68087
20°	20619	23876	21053
25°	7268	9262	7362
30°	2673	3519	2718
35°	1336	1510	1293
40°	845	930	845
45°	623	665	623
50°	494	494	494
55°	411	411	411
60°	337	337	337
65°	257	257	257
70°	219	219	219
75°	136	136	181
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 665 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.3	64.9
10°-20°	274.9	26.7
20°-30°	54.6	5.3
30°-40°	13.6	1.3
40°-50°	7.2	0.7
50°-60°	5.3	0.5
60°-70°	3.8	0.4
70°-80°	2.2	0.2
80°-90°	0.7	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°	997.8	96.8
0°-40°	1011.4	98.2
0°-60°	1023.9	99.4
0°-90°	1030.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14039	14039	14039	14039	14039	
5°	9134	9040	9016	9078	9087	667
15°	793	808	809	795	784	272
25°	93	106	119	105	94	49
35°	18	20	21	20	18	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	14039.2	14039.2	14039.2	14039.2	14039.2
2.5°	12664.0	12674.7	12678.8	12691.3	12737.7
5°	9134.2	9040.3	9016.0	9078.4	9087.3
7.5°	5410.8	5429.8	5499.3	5514.8	5458.9
10°	2969.3	2993.6	2990.1	3011.5	3035.8
12.5°	1518.5	1499.5	1493.5	1517.9	1484.0
15°	793.4	808.3	808.9	794.6	783.9
17.5°	426.7	444.0	472.5	449.3	413.7
20°	252.0	267.4	291.8	272.8	257.3
22.5°	155.7	168.2	185.4	170.6	158.1
25°	93.3	105.8	118.9	105.2	94.5
27.5°	55.3	66.0	74.3	65.4	54.7
30°	35.7	41.6	47.0	41.0	36.3
32.5°	25.0	27.3	29.7	27.3	25.0
35°	18.4	19.6	20.8	19.6	17.8
37.5°	14.3	15.5	16.0	14.9	13.7
40°	11.9	12.5	13.1	12.5	11.9
42.5°	10.1	10.7	10.7	10.7	10.1
45°	8.9	8.9	9.5	8.9	8.9
47.5°	7.7	7.7	8.3	7.7	7.7
50°	7.1	7.1	7.1	7.1	7.1
52.5°	6.5	6.5	6.5	6.5	6.5
55°	5.9	5.9	5.9	5.9	5.9
57.5°	5.3	5.3	5.3	5.3	5.3
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	2.4
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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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