

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



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: P756924

Luminaire Tested: LD6D02D010-EU6DR150210IC9035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756924
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: LD6D02D010-EU6DR150210IC9035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 353.8 lumens
Efficiency: N/A
Efficacy: 69.4 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): 5.1
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



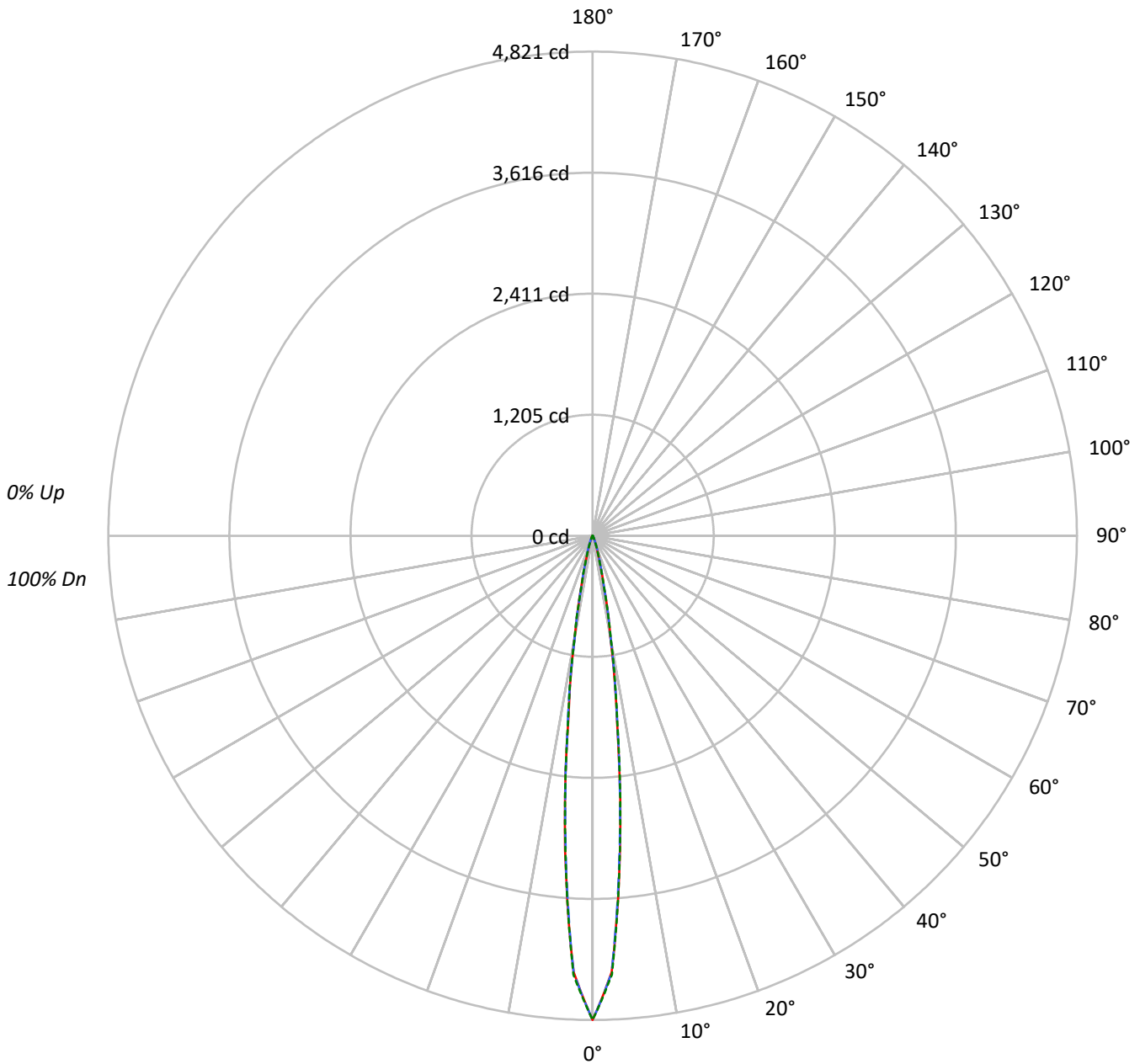
Downlight



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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	99	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	99	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	94	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°	542470	542470	542470
5°	318779	314653	317143
10°	95136	95808	97273
15°	23668	24129	23382
20°	7078	8199	7233
25°	2493	3178	2532
30°	914	1206	929
35°	458	516	443
40°	291	320	291
45°	217	231	217
50°	167	167	167
55°	139	139	139
60°	112	112	112
65°	86	86	86
70°	73	73	73
75°	45	45	60
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	64.9
10°-20°	94.4	26.7
20°-30°	18.8	5.3
30°-40°	4.7	1.3
40°-50°	2.5	0.7
50°-60°	1.8	0.5
60°-70°	1.3	0.4
70°-80°	0.7	0.2
80°-90°	0.2	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°	342.6	96.9
0°-40°	347.3	98.2
0°-60°	351.6	99.4
0°-90°	353.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	353.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4821	4821	4821	4821	4821	
5°	3137	3104	3096	3118	3121	229
15°	272	278	278	273	269	93
25°	32	36	41	36	32	17
35°	6	7	7	7	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4821.1	4821.1	4821.1	4821.1	4821.1
2.5°	4348.8	4352.5	4353.9	4358.2	4374.1
5°	3136.7	3104.5	3096.1	3117.5	3120.6
7.5°	1858.1	1864.6	1888.5	1893.8	1874.6
10°	1019.6	1028.0	1026.8	1034.1	1042.5
12.5°	521.5	514.9	512.9	521.3	509.6
15°	272.5	277.6	277.8	272.9	269.2
17.5°	146.5	152.5	162.3	154.3	142.0
20°	86.5	91.8	100.2	93.7	88.4
22.5°	53.5	57.8	63.7	58.6	54.3
25°	32.0	36.3	40.8	36.1	32.5
27.5°	19.0	22.7	25.5	22.5	18.8
30°	12.2	14.3	16.1	14.1	12.4
32.5°	8.6	9.4	10.2	9.4	8.6
35°	6.3	6.7	7.1	6.7	6.1
37.5°	4.9	5.3	5.5	5.1	4.7
40°	4.1	4.3	4.5	4.3	4.1
42.5°	3.5	3.7	3.7	3.7	3.5
45°	3.1	3.1	3.3	3.1	3.1
47.5°	2.7	2.7	2.9	2.7	2.7
50°	2.4	2.4	2.4	2.4	2.4
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.0	2.0	2.0	2.0	2.0
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





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

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