

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: P738923

Luminaire Tested: LD4D02D010-EU4DR200210IC9027-4LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P738923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR200210IC9027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 285.9 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
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



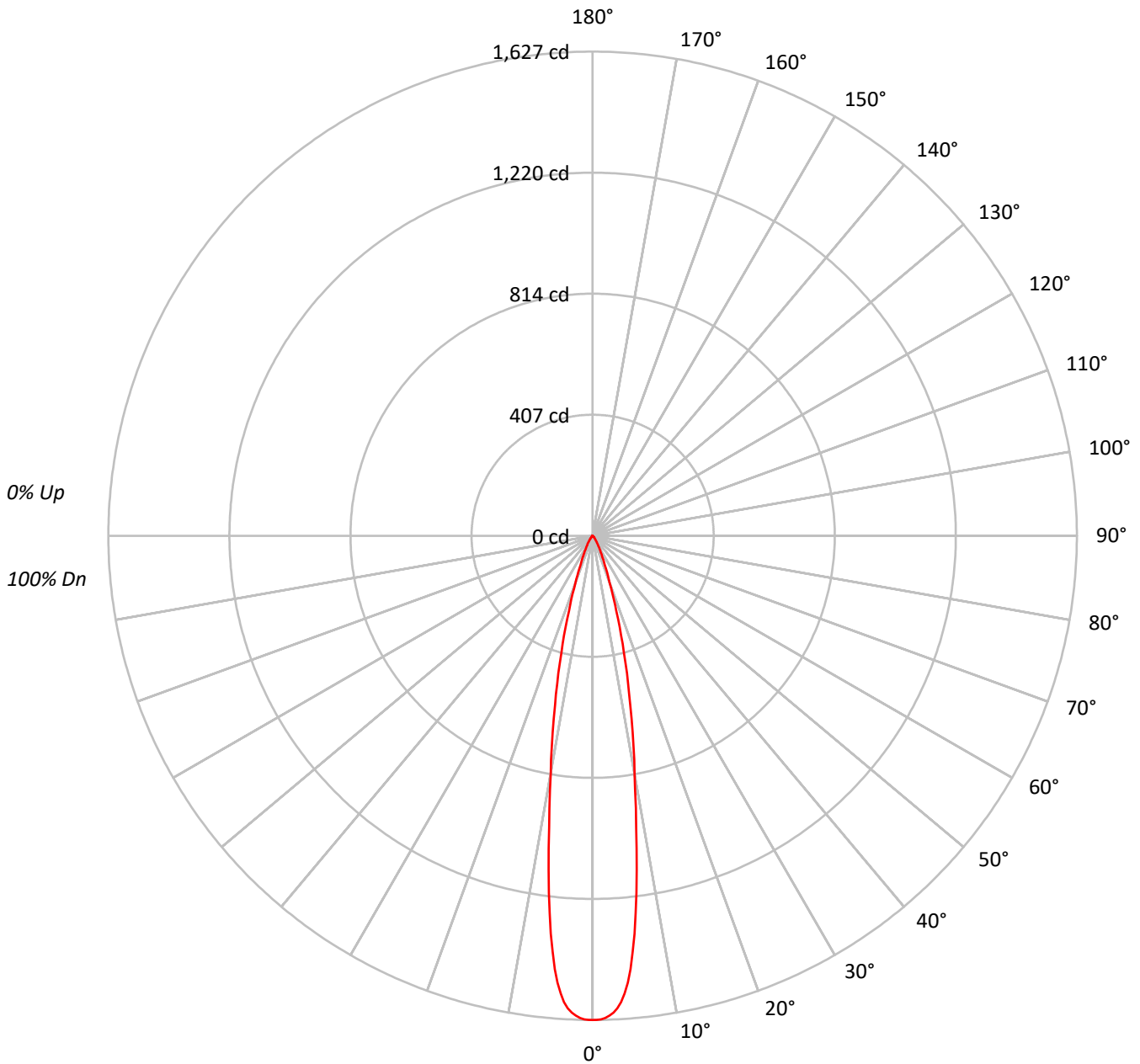
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	177789
5°	160393
10°	90022
15°	45755
20°	19371
25°	8945
30°	4731
35°	2548
40°	1369
45°	803
50°	476
55°	248
60°	153
65°	103
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 803 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	40.5
10°-20°	114.1	39.9
20°-30°	37.3	13.0
30°-40°	12.7	4.4
40°-50°	4.3	1.5
50°-60°	1.3	0.4
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	267.2	93.5
0°-40°	279.9	97.9
0°-60°	285.4	99.8
0°-90°	285.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1627	
5°	1462	116
15°	404	114
25°	74	37
35°	19	13
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1627.2
0.5°	1627.2
1°	1625.1
1.5°	1621.1
2°	1613.7
2.5°	1603.8
3°	1589.9
3.5°	1570.5
4°	1541.7
4.5°	1506.6
5°	1462.4
5.5°	1404.3
6°	1344.8
6.5°	1276.5
7°	1209.7
7.5°	1131.5
8°	1061.6
8.5°	991.4
9°	926.5
9.5°	866.9
10°	811.4
12.5°	582.6
15°	404.5
17.5°	264.3
20°	166.6
22.5°	107.9
25°	74.2
27.5°	52.2
30°	37.5
32.5°	27.0
35°	19.1
37.5°	13.3
40°	9.6
42.5°	7.0
45°	5.2
47.5°	4.1
50°	2.8
52.5°	1.7
55°	1.3
57.5°	1.0
60°	0.7
62.5°	0.6
65°	0.4



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.3
70°		0.1

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(END OF REPORT)