

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: P741948

Luminaire Tested: LD4D10D010-EU4DR200210IC9024-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P741948
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: LD4D10D010-EU4DR200210IC9024-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 77.8 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): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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

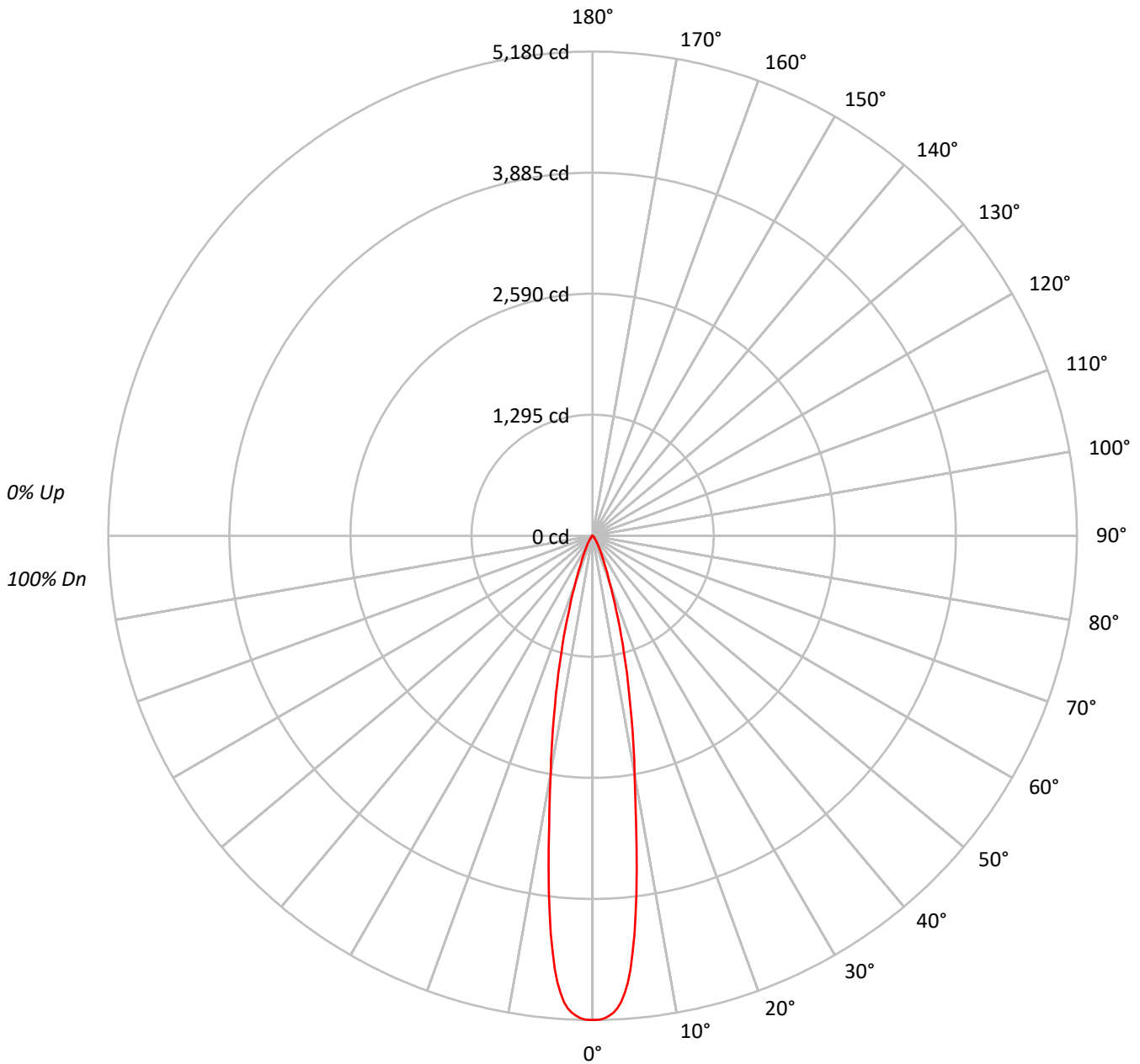


Downlight



TEST NUMBER: P741948
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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	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	94	92	91															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	92	90	89															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	90	88	87															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	88	86	85															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	86	84	83															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	84	82	81															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	565960
5°	510595
10°	286574
15°	145670
20°	61671
25°	28475
30°	15077
35°	8123
40°	4336
45°	2565
50°	1496
55°	800
60°	503
65°	362
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2565 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.8	40.5
10°-20°	363.1	39.9
20°-30°	118.6	13.0
30°-40°	40.4	4.4
40°-50°	13.6	1.5
50°-60°	4.1	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	850.6	93.5
0°-40°	891.0	97.9
0°-60°	908.6	99.8
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5180	
5°	4655	369
15°	1288	363
25°	236	119
35°	61	40
45°	17	14
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5179.9
0.5°	5179.9
1°	5173.4
1.5°	5160.5
2°	5137.0
2.5°	5105.6
3°	5061.3
3.5°	4999.5
4°	4907.7
4.5°	4796.1
5°	4655.4
5.5°	4470.5
6°	4280.9
6.5°	4063.6
7°	3851.0
7.5°	3601.9
8°	3379.6
8.5°	3155.9
9°	2949.3
9.5°	2759.7
10°	2583.0
12.5°	1854.7
15°	1287.8
17.5°	841.3
20°	530.4
22.5°	343.6
25°	236.2
27.5°	166.1
30°	119.5
32.5°	85.8
35°	60.9
37.5°	42.4
40°	30.4
42.5°	22.1
45°	16.6
47.5°	12.9
50°	8.8
52.5°	5.5
55°	4.2
57.5°	3.2
60°	2.3
62.5°	1.8
65°	1.4



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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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report





67.5°		0.9
70°		0.5

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(END OF REPORT)