

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: P738951

Luminaire Tested: LD4D02D010-EU4DR200210IC9040-4LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P738951  
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-EU4DR200210IC9040-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 374.5 lumens  
Efficiency: N/A  
Efficacy: 73.4 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



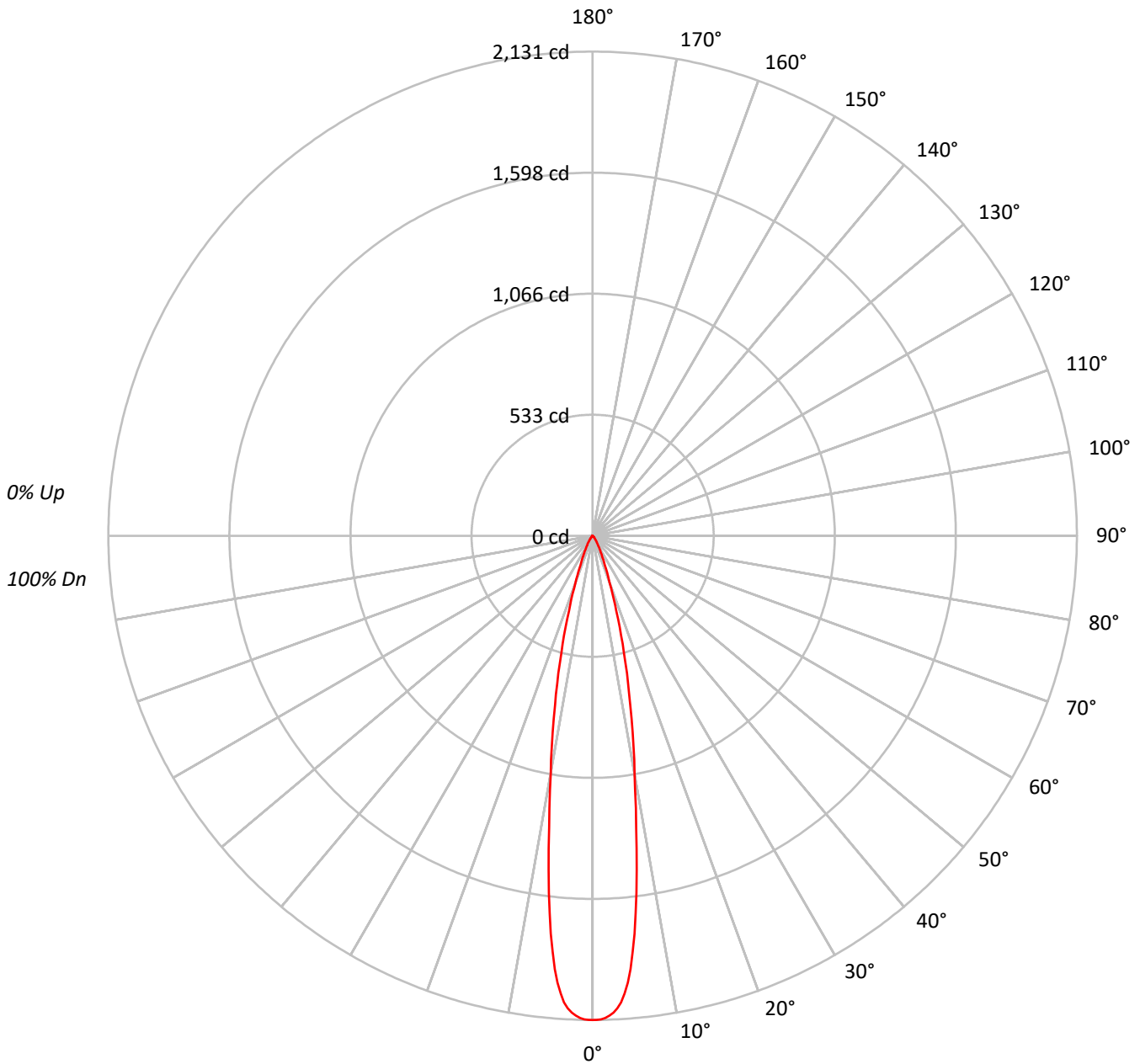
Downlight



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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	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	98	96	95	94	94	92	91	91	89	88	86	85															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	89	88	86	85	85	83	81	79															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	86	85	85	83	81	79	77	75																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	85	83	81	79	77	75	73	71	69	67															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	81	79	77	75	73	71	69	67	65	63															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	79	77	75	73	71	69	67	65	63	61															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	77	75	73	71	69	67	65	63	61	59															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	77	75	73	71	69	67	65	63	61	59	57															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	75	73	71	69	67	65	63	61	59	57	55															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	71	69	67	65	63	61	59	57	55	53															

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	232867
5°	210088
10°	117914
15°	59940
20°	25382
25°	11718
30°	6207
35°	3348
40°	1783
45°	1051
50°	612
55°	324
60°	197
65°	155
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.7	40.5
10°-20°	149.4	39.9
20°-30°	48.8	13.0
30°-40°	16.6	4.4
40°-50°	5.6	1.5
50°-60°	1.7	0.4
60°-70°	0.6	0.2
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°	350.0	93.5
0°-40°	366.6	97.9
0°-60°	373.9	99.8
0°-90°	374.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2131	
5°	1916	152
15°	530	149
25°	97	49
35°	25	17
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2131.3
0.5°	2131.3
1°	2128.6
1.5°	2123.3
2°	2113.6
2.5°	2100.7
3°	2082.5
3.5°	2057.1
4°	2019.3
4.5°	1973.4
5°	1915.5
5.5°	1839.4
6°	1761.4
6.5°	1672.0
7°	1584.5
7.5°	1482.0
8°	1390.5
8.5°	1298.5
9°	1213.5
9.5°	1135.5
10°	1062.8
12.5°	763.1
15°	529.9
17.5°	346.2
20°	218.3
22.5°	141.4
25°	97.2
27.5°	68.3
30°	49.2
32.5°	35.3
35°	25.1
37.5°	17.5
40°	12.5
42.5°	9.1
45°	6.8
47.5°	5.3
50°	3.6
52.5°	2.3
55°	1.7
57.5°	1.3
60°	0.9
62.5°	0.8
65°	0.6



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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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67.5°		0.4
70°		0.2

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Scaled Data Report



(END OF REPORT)