

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: P778024

Luminaire Tested: LERS4D10D010-EC4DR350210IC9035-4LBS1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P778024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS4D10D010-EC4DR350210IC9035-4LBS1B  
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 986.9 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



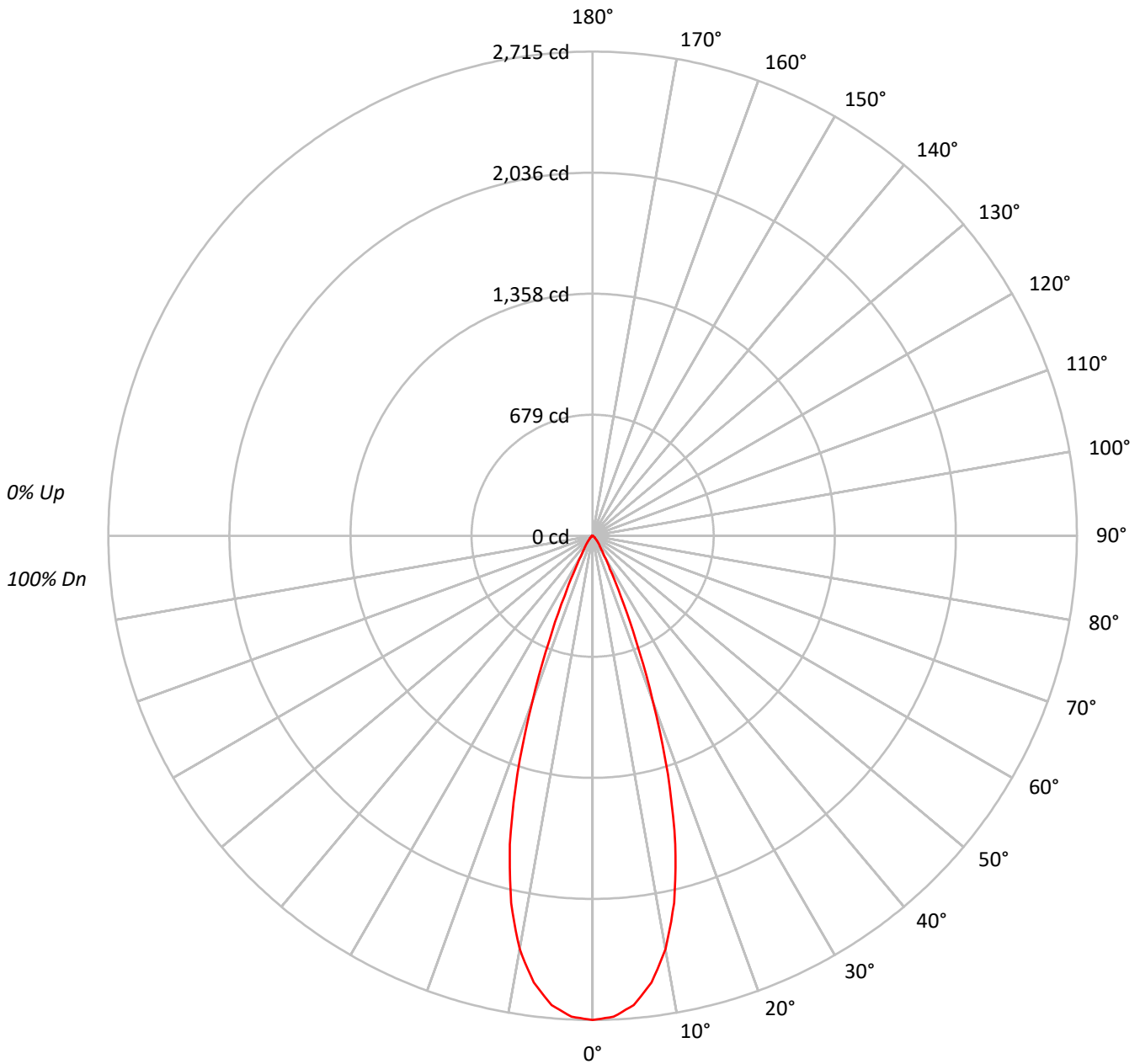
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									20
RC	80									50									30									10									0									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	102	100	100	100	99	98	98	98	96	96	96	96																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	96	96	96	96	95	93	92	92	92	92	92																
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	93	92	92	92	96	95	93	92	92	92	92	92																
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	89	88	88	88	93	91	89	88	88	88	88	88																
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	86	84	84	84	90	88	86	84	84	84	84	84																
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	82	81	81	81	87	84	82	81	81	81	81	81																
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	79	78	78	84	81	79	78	78	78	78	78	78																
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	76	75	75	82	79	76	75	75	75	75	75	75																
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	73	72	72	79	76	73	72	72	72	72	72	72																
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	71	70	70	77	73	71	70	70	70	70	70	70																
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	69	68	68	74	71	69	68	68	68	68	68	68																

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

	0°
0°	296676
5°	289704
10°	261112
15°	202657
20°	114947
25°	44714
30°	16679
35°	9150
40°	5976
45°	3631
50°	2312
55°	1638
60°	1202
65°	646
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3631 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.9	24.6
10°-20°	474.3	48.1
20°-30°	193.4	19.6
30°-40°	46.3	4.7
40°-50°	19.3	2.0
50°-60°	8.0	0.8
60°-70°	2.5	0.3
70°-80°	0.1	0.0
80°-90°	0.1	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°	910.7	92.3
0°-40°	957.0	97.0
0°-60°	984.2	99.7
0°-90°	986.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2715	
5°	2641	243
15°	1792	474
25°	371	193
35°	69	46
45°	24	19
55°	9	8
65°	2	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2715.3
2.5°	2699.1
5°	2641.4
7.5°	2526.5
10°	2353.5
12.5°	2109.7
15°	1791.6
17.5°	1402.6
20°	988.6
22.5°	630.4
25°	370.9
27.5°	209.7
30°	132.2
32.5°	92.8
35°	68.6
37.5°	53.0
40°	41.9
42.5°	32.3
45°	23.5
47.5°	17.6
50°	13.6
52.5°	10.8
55°	8.6
57.5°	6.9
60°	5.5
62.5°	4.0
65°	2.5
67.5°	0.9
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
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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(END OF REPORT)