

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: P778334

Luminaire Tested: LERS4D15D010-EC4DR350215IC9030-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P778334  
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: LERS4D15D010-EC4DR350215IC9030-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1417.6 lumens  
Efficiency: N/A  
Efficacy: 89.7 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): 15.8  
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



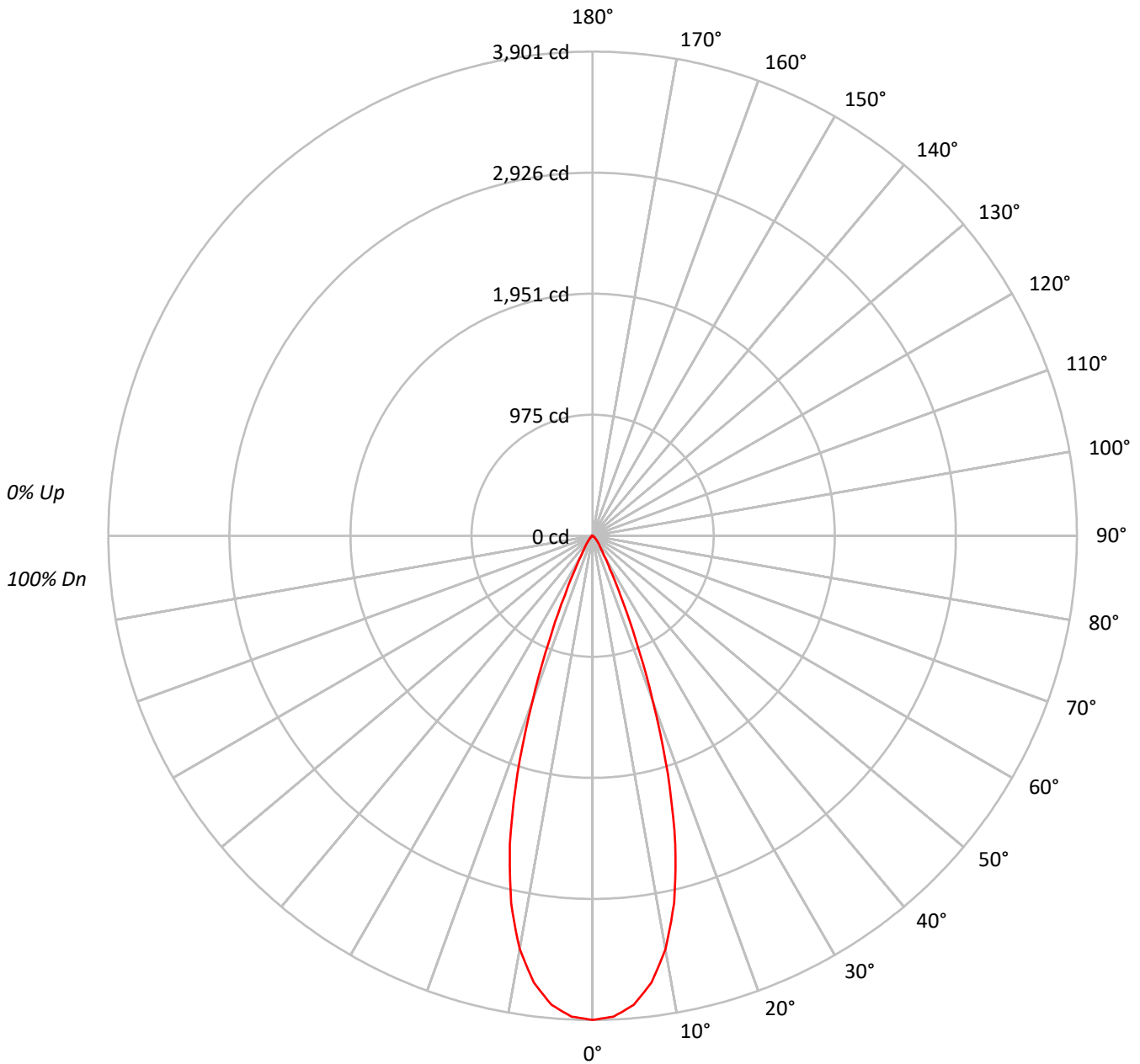
Downlight



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

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

	0°
0°	426193
5°	416174
10°	375087
15°	291136
20°	165119
25°	64232
30°	23958
35°	13138
40°	8586
45°	5223
50°	3332
55°	2343
60°	1704
65°	931
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5223 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.0	24.6
10°-20°	681.4	48.1
20°-30°	277.9	19.6
30°-40°	66.5	4.7
40°-50°	27.7	2.0
50°-60°	11.5	0.8
60°-70°	3.6	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°	1308.2	92.3
0°-40°	1374.7	97.0
0°-60°	1413.9	99.7
0°-90°	1417.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3901	
5°	3794	349
15°	2574	681
25°	533	278
35°	98	66
45°	34	28
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3900.7
2.5°	3877.3
5°	3794.5
7.5°	3629.5
10°	3380.8
12.5°	3030.7
15°	2573.8
17.5°	2014.9
20°	1420.1
22.5°	905.5
25°	532.8
27.5°	301.2
30°	189.9
32.5°	133.4
35°	98.5
37.5°	76.1
40°	60.2
42.5°	46.4
45°	33.8
47.5°	25.3
50°	19.6
52.5°	15.5
55°	12.3
57.5°	10.0
60°	7.8
62.5°	5.7
65°	3.6
67.5°	1.3
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)