

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: P777126

Luminaire Tested: LERS4D02D010-EC4DR450210IC9024-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P777126  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS4D02D010-EC4DR450210IC9024-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 344.2 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
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



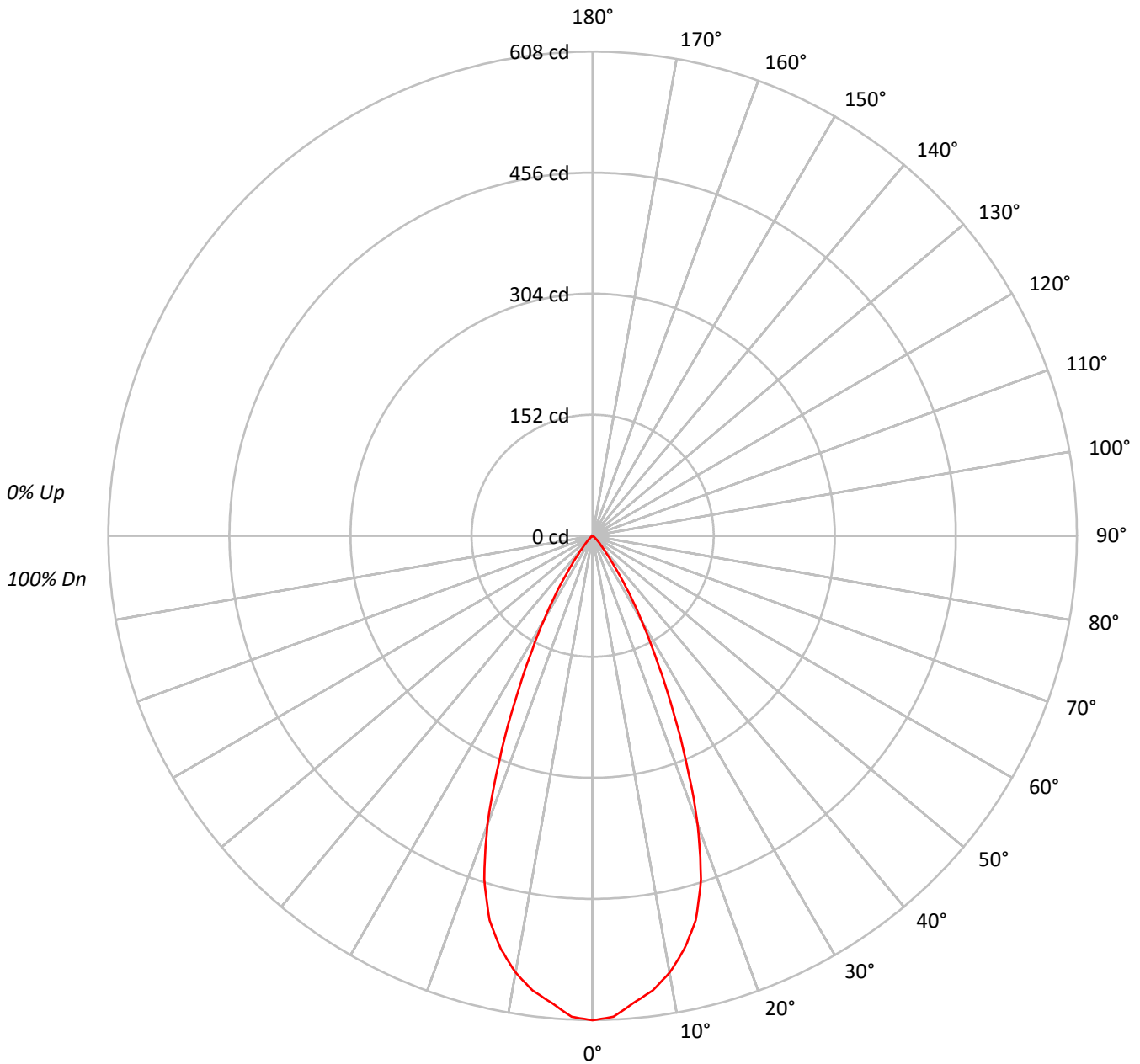
Downlight



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20										
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	0				
RCR																															
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100													
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95													
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90													
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85													
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81													
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77													
6	92	85	79	76	91	84	79	76	82	78	75	81	77	75	80	77	74	73													
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69													
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66													
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63													
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60													

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

	0°
0°	66474
5°	64578
10°	61786
15°	56546
20°	44858
25°	28005
30°	15430
35°	6936
40°	2724
45°	1282
50°	612
55°	324
60°	153
65°	52
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1282 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	16.1
10°-20°	136.2	39.6
20°-30°	107.8	31.3
30°-40°	35.9	10.4
40°-50°	7.1	2.1
50°-60°	1.6	0.5
60°-70°	0.3	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°	299.3	86.9
0°-40°	335.2	97.4
0°-60°	343.9	99.9
0°-90°	344.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	608	
5°	589	55
15°	500	136
25°	232	108
35°	52	36
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	608.4
2.5°	604.4
5°	588.8
7.5°	575.9
10°	556.9
12.5°	531.5
15°	499.9
17.5°	452.3
20°	385.8
22.5°	306.6
25°	232.3
27.5°	170.1
30°	122.3
32.5°	83.2
35°	52.0
37.5°	30.8
40°	19.1
42.5°	12.6
45°	8.3
47.5°	5.4
50°	3.6
52.5°	2.4
55°	1.7
57.5°	1.1
60°	0.7
62.5°	0.4
65°	0.2
67.5°	0.1
70°	0.1
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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(END OF REPORT)