

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: P741288

Luminaire Tested: LD4D08D010-EU4DR400210IC9035-4LBS1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P741288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D08D010-EU4DR400210IC9035-4LBS1MW  
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 823.8 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
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

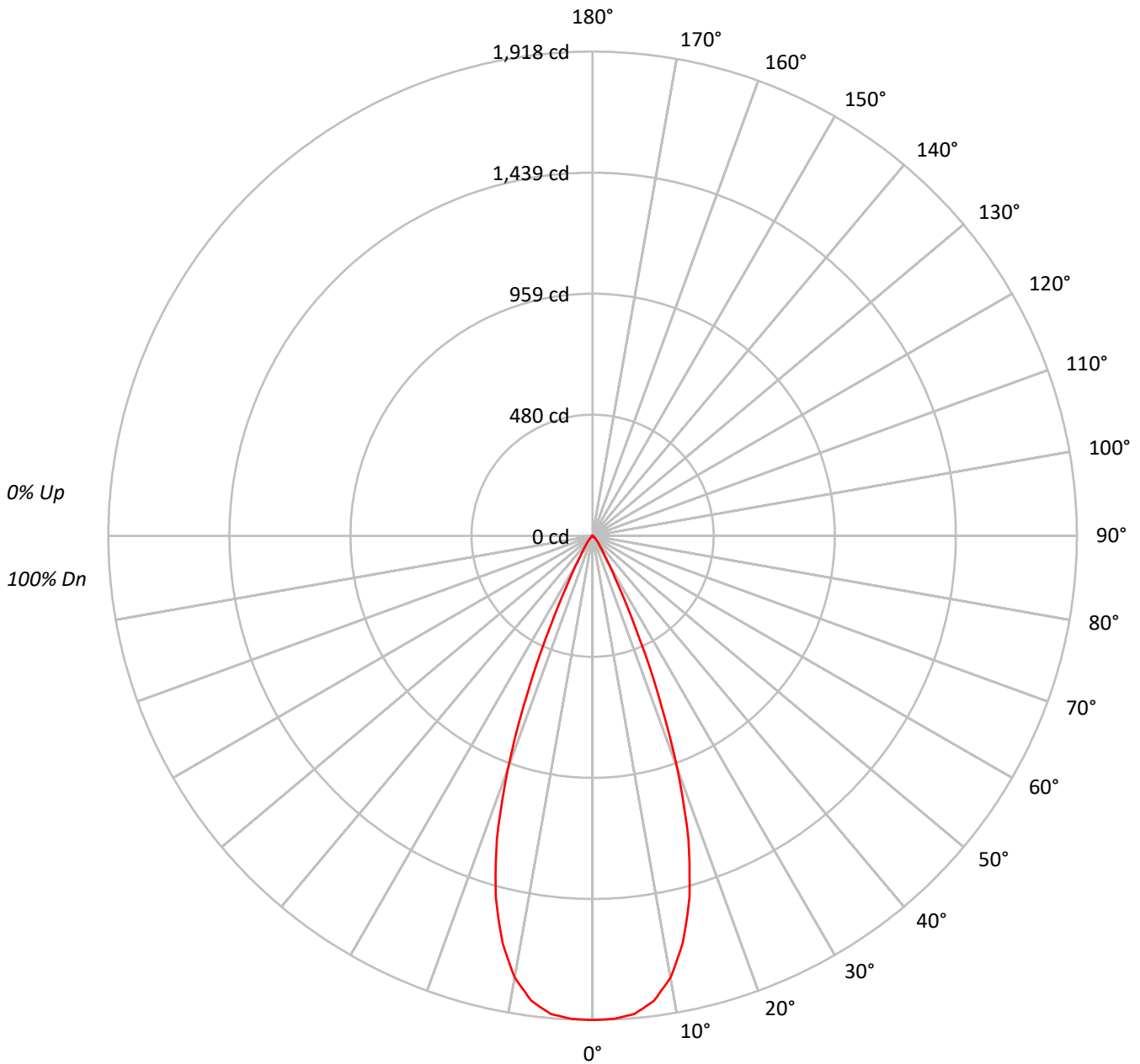


Downlight



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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	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	97	96			96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69			69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67

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

	0°
0°	209562
5°	208553
10°	197118
15°	167580
20°	114215
25°	47656
30°	14988
35°	6963
40°	3851
45°	1762
50°	850
55°	476
60°	240
65°	78
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1762 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.5	21.6
10°-20°	397.8	48.3
20°-30°	199.1	24.2
30°-40°	36.5	4.4
40°-50°	10.1	1.2
50°-60°	2.4	0.3
60°-70°	0.4	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°	774.4	94.0
0°-40°	810.9	98.4
0°-60°	823.3	99.9
0°-90°	823.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1918	
5°	1902	178
15°	1482	398
25°	395	199
35°	52	37
45°	11	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1918.0
2.5°	1915.3
5°	1901.5
7.5°	1857.5
10°	1776.7
12.5°	1650.8
15°	1481.5
17.5°	1261.4
20°	982.3
22.5°	669.7
25°	395.3
27.5°	209.0
30°	118.8
32.5°	76.8
35°	52.2
37.5°	37.3
40°	27.0
42.5°	18.5
45°	11.4
47.5°	7.3
50°	5.0
52.5°	3.6
55°	2.5
57.5°	1.5
60°	1.1
62.5°	0.7
65°	0.3
67.5°	0.2
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

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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)