

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: P741777

Luminaire Tested: LD4D08D010-EU4DR700210IC9050-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P741777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D08D010-EU4DR700210IC9050-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 849.4 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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



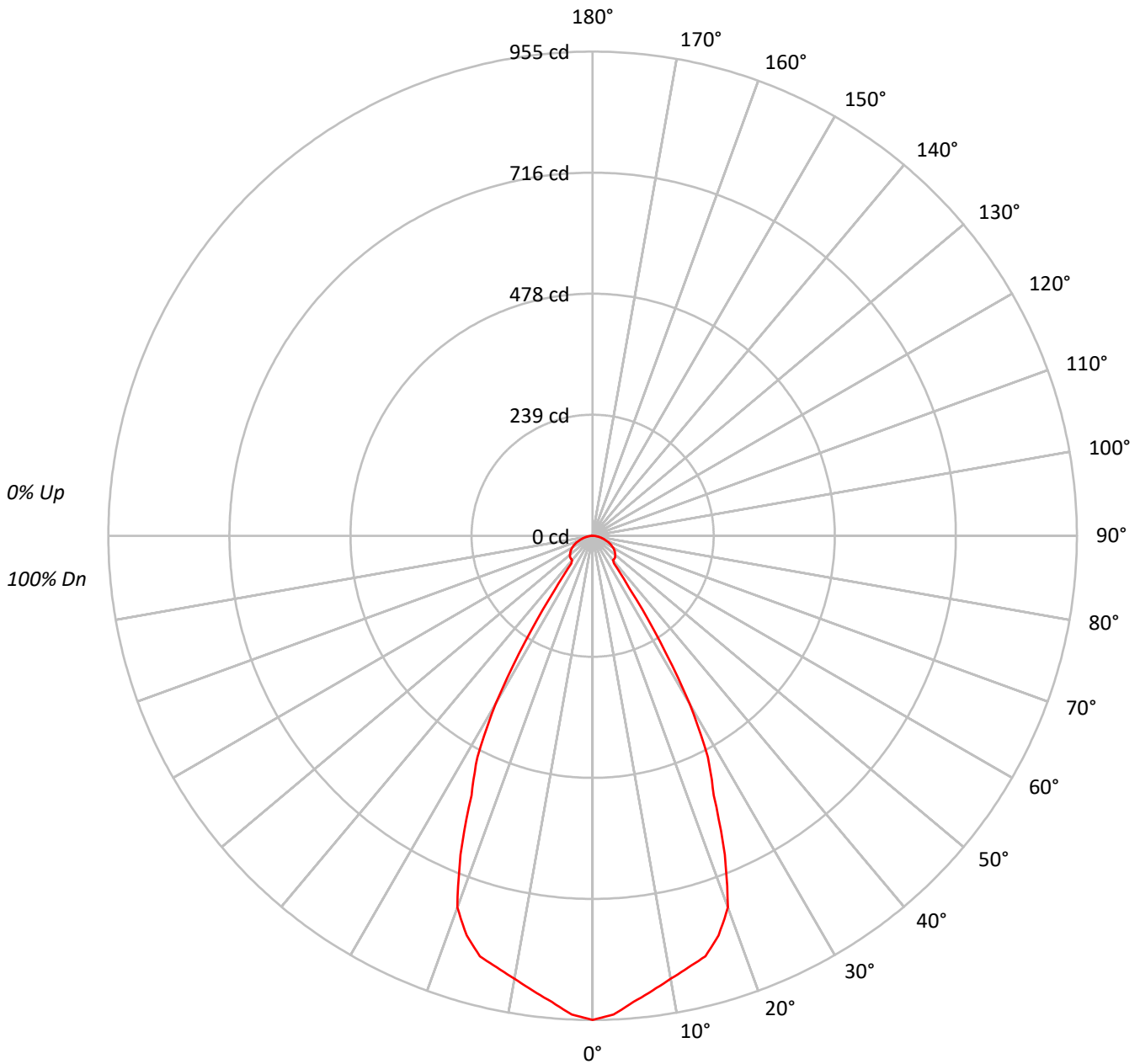
Downlight



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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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

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

	0°
0°	104344
5°	101244
10°	98420
15°	97132
20°	90693
25°	68138
30°	48169
35°	17060
40°	8971
45°	9549
50°	9893
55°	10077
60°	10139
65°	9928
70°	9360
75°	8696
80°	7739
85°	6268

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 10147 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.1	10.2
10°-20°	238.8	28.1
20°-30°	263.0	31.0
30°-40°	100.5	11.8
40°-50°	47.5	5.6
50°-60°	47.2	5.6
60°-70°	37.8	4.4
70°-80°	21.7	2.6
80°-90°	5.9	0.7
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°	588.9	69.3
0°-40°	689.4	81.2
0°-60°	784.0	92.3
0°-90°	849.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	955	
5°	923	87
15°	859	239
25°	565	263
35°	128	100
45°	62	47
55°	53	47
65°	38	38
75°	21	22
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	955.0
2.5°	945.0
5°	923.1
7.5°	904.7
10°	887.1
12.5°	872.1
15°	858.7
17.5°	826.1
20°	780.0
22.5°	680.6
25°	565.2
27.5°	492.0
30°	381.8
32.5°	246.6
35°	127.9
37.5°	69.1
40°	62.9
42.5°	62.5
45°	61.8
47.5°	60.5
50°	58.2
52.5°	55.6
55°	52.9
57.5°	49.9
60°	46.4
62.5°	42.5
65°	38.4
67.5°	33.9
70°	29.3
72.5°	24.8
75°	20.6
77.5°	16.2
80°	12.3
82.5°	8.6
85°	5.0
87.5°	1.9
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)