

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: P739406

Luminaire Tested: LD4D02D010-EU4DR500210IC9035-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D02D010-EU4DR500210IC9035-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 368.6 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (Ain): 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



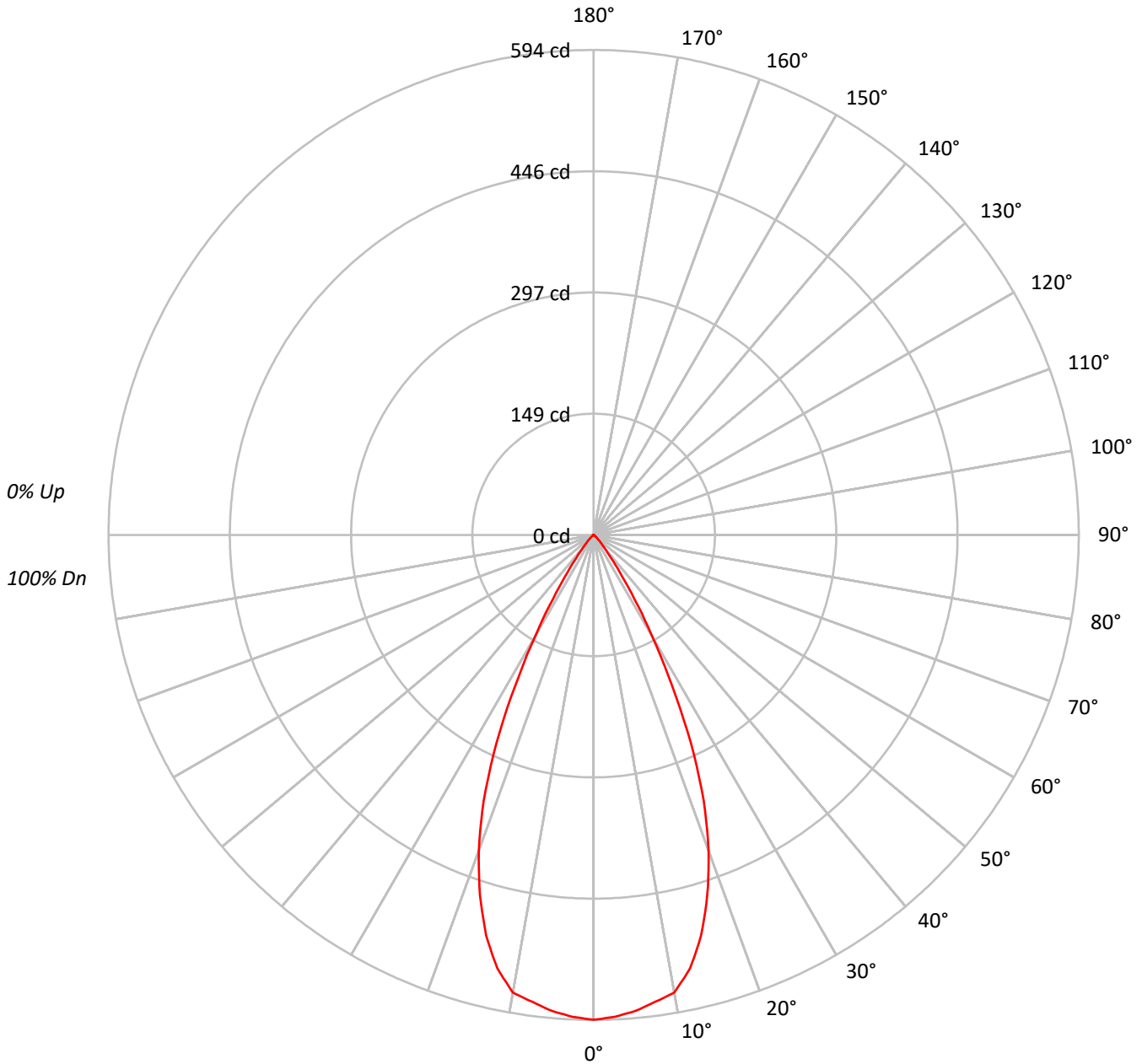
Downlight



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20																	
RC	80									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																											
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	93	91	88	86	85	85	84	82	80	77	76	74	72	72	72											
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	88	86	85	85	84	82	80	77	76	74	72	72	72	72	72	72												
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	84	82	80	77	76	74	72	72	72	72	72	72	72	72	72											
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	77	76	74	72	72	72	72	72	72	72	72	72	72	72	72	72	72										
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	74	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72									
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72								
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51									
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46								
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42							
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39							

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

	0°
0°	64879
5°	64195
10°	63140
15°	57496
20°	47835
25°	33961
30°	17978
35°	7323
40°	2724
45°	1252
50°	510
55°	267
60°	131
65°	52
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	15.0
10°-20°	139.8	37.9
20°-30°	125.6	34.1
30°-40°	39.3	10.7
40°-50°	6.9	1.9
50°-60°	1.4	0.4
60°-70°	0.2	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°	320.7	87.0
0°-40°	360.0	97.7
0°-60°	368.3	99.9
0°-90°	368.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	368.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	594	
5°	585	55
15°	508	140
25°	282	126
35°	55	39
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	593.8
2.5°	590.8
5°	585.3
7.5°	576.9
10°	569.1
12.5°	544.1
15°	508.3
17.5°	462.8
20°	411.4
22.5°	352.0
25°	281.7
27.5°	207.1
30°	142.5
32.5°	92.8
35°	54.9
37.5°	31.5
40°	19.1
42.5°	12.4
45°	8.1
47.5°	4.9
50°	3.0
52.5°	2.1
55°	1.4
57.5°	1.0
60°	0.6
62.5°	0.3
65°	0.2
67.5°	0.1
70°	0.0
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)