

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: P748955

Luminaire Tested: LD4D45BD010-EU4DR7040509030-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P748955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D45BD010-EU4DR7040509030-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

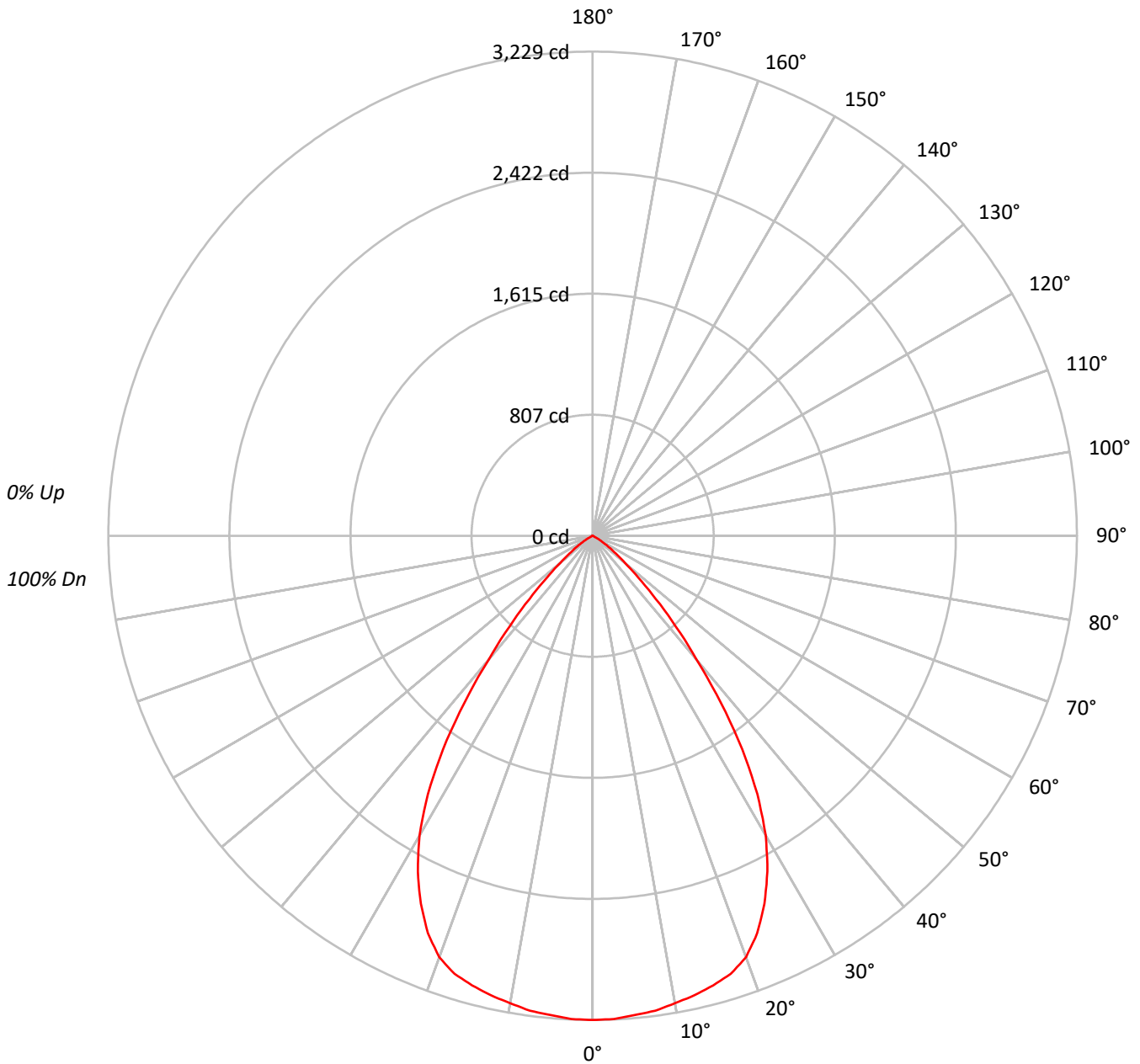
Lumens per Lamp: N/A  
Luminaire Lumens: 4091.2 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.7  
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



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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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			

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

	0°
0°	352814
5°	351935
10°	351178
15°	351075
20°	347644
25°	326562
30°	291135
35°	232126
40°	154126
45°	92155
50°	47764
55°	25107
60°	8872
65°	155
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 92155 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.2	7.5
10°-20°	875.2	21.4
20°-30°	1234.6	30.2
30°-40°	1065.8	26.1
40°-50°	477.3	11.7
50°-60°	124.9	3.1
60°-70°	8.1	0.2
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°	2415.0	59.0
0°-40°	3480.8	85.1
0°-60°	4083.0	99.8
0°-90°	4091.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3229	
5°	3209	305
15°	3104	875
25°	2709	1235
35°	1740	1066
45°	596	477
55°	132	125
65°	1	8
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3229.1
2.5°	3225.6
5°	3208.8
7.5°	3194.9
10°	3165.3
12.5°	3138.5
15°	3103.7
17.5°	3063.6
20°	2989.9
22.5°	2868.5
25°	2708.8
27.5°	2523.6
30°	2307.6
32.5°	2043.4
35°	1740.3
37.5°	1405.8
40°	1080.6
42.5°	821.1
45°	596.4
47.5°	411.1
50°	281.0
52.5°	193.9
55°	131.8
57.5°	79.6
60°	40.6
62.5°	12.8
65°	0.6
67.5°	0.0
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

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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)