

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: P749724

Luminaire Tested: LD4D50D010-EU4DR7040509027-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P749724  
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: LD4D50D010-EU4DR7040509027-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

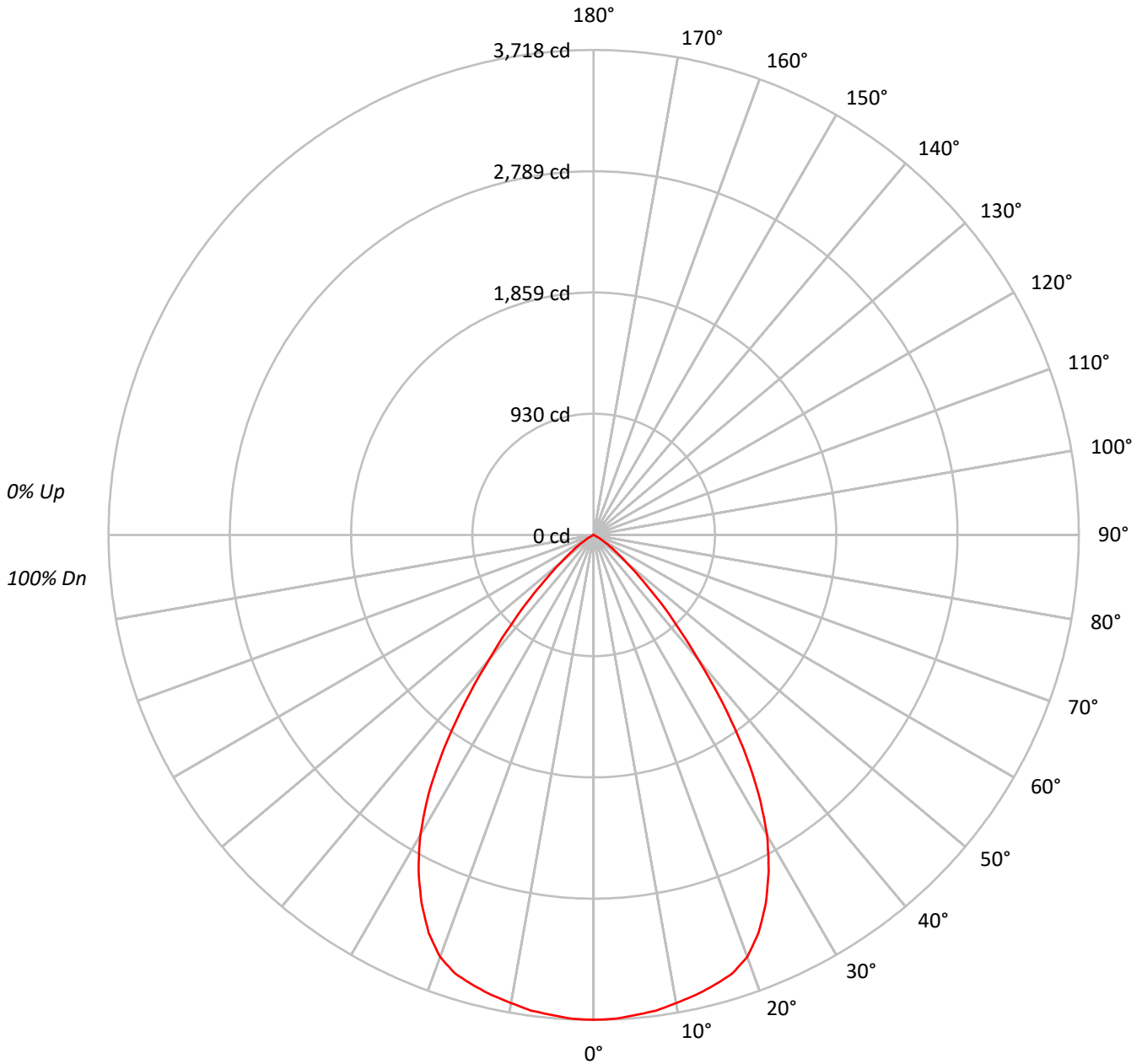
Lumens per Lamp: N/A  
Luminaire Lumens: 4710.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 47  
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
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°	406177
5°	405162
10°	404288
15°	404171
20°	400223
25°	375954
30°	335166
35°	267232
40°	177446
45°	106077
50°	55005
55°	28897
60°	10227
65°	181
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 106077 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.3	7.5
10°-20°	1007.6	21.4
20°-30°	1421.4	30.2
30°-40°	1227.0	26.1
40°-50°	549.5	11.7
50°-60°	143.9	3.1
60°-70°	9.4	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°	2780.2	59.0
0°-40°	4007.3	85.1
0°-60°	4700.6	99.8
0°-90°	4710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3718	
5°	3694	351
15°	3573	1008
25°	3118	1421
35°	2004	1227
45°	686	549
55°	152	144
65°	1	9
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3717.5
2.5°	3713.5
5°	3694.1
7.5°	3678.1
10°	3644.0
12.5°	3613.2
15°	3573.1
17.5°	3527.0
20°	3442.1
22.5°	3302.4
25°	3118.5
27.5°	2905.3
30°	2656.6
32.5°	2352.4
35°	2003.5
37.5°	1618.4
40°	1244.1
42.5°	945.3
45°	686.5
47.5°	473.3
50°	323.6
52.5°	223.3
55°	151.7
57.5°	91.6
60°	46.8
62.5°	14.7
65°	0.7
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)