

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: P756094

Luminaire Tested: LD4D95BD010-EU4DR2570959050-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D95BD010-EU4DR2570959050-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7809.3 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

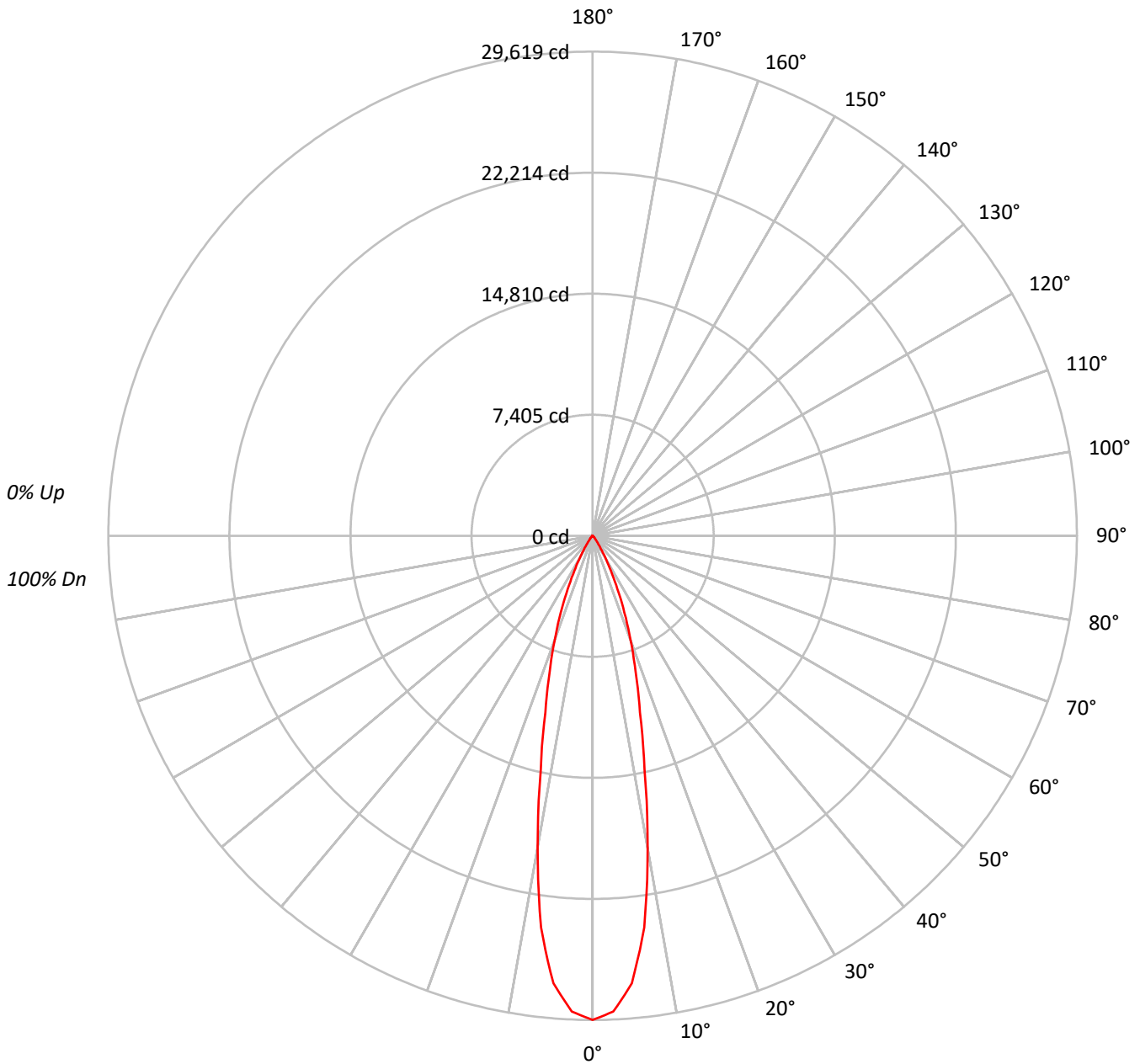
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69			

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

	0°
0°	3236172
5°	3014086
10°	2150028
15°	1266289
20°	787900
25°	432398
30°	197749
35°	74894
40°	33917
45°	20396
50°	8465
55°	5448
60°	3802
65°	2585
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20396 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2361.8	30.2
10°-20°	3198.9	41.0
20°-30°	1692.8	21.7
30°-40°	417.9	5.4
40°-50°	102.0	1.3
50°-60°	26.8	0.3
60°-70°	9.0	0.1
70°-80°	0.2	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°	7253.4	92.9
0°-40°	7671.3	98.2
0°-60°	7800.1	99.9
0°-90°	7809.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7809.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	29619	
5°	27481	###
15°	11195	3199
25°	3587	1693
35°	562	418
45°	132	102
55°	29	27
65°	10	9
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	29618.8
2.5°	29132.0
5°	27481.2
7.5°	24164.6
10°	19379.0
12.5°	14649.4
15°	11194.7
17.5°	8724.7
20°	6776.3
22.5°	5081.9
25°	3586.7
27.5°	2405.3
30°	1567.4
32.5°	953.6
35°	561.5
37.5°	343.6
40°	237.8
42.5°	181.8
45°	132.0
47.5°	79.7
50°	49.8
52.5°	36.1
55°	28.6
57.5°	22.4
60°	17.4
62.5°	13.7
65°	10.0
67.5°	3.7
70°	1.2
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)