

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: P755249

Luminaire Tested: LD4D90BD010-EU4DR2570959024-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755249  
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: LD4D90BD010-EU4DR2570959024-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6132.5 lumens  
Efficiency: N/A  
Efficacy: 62.0 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

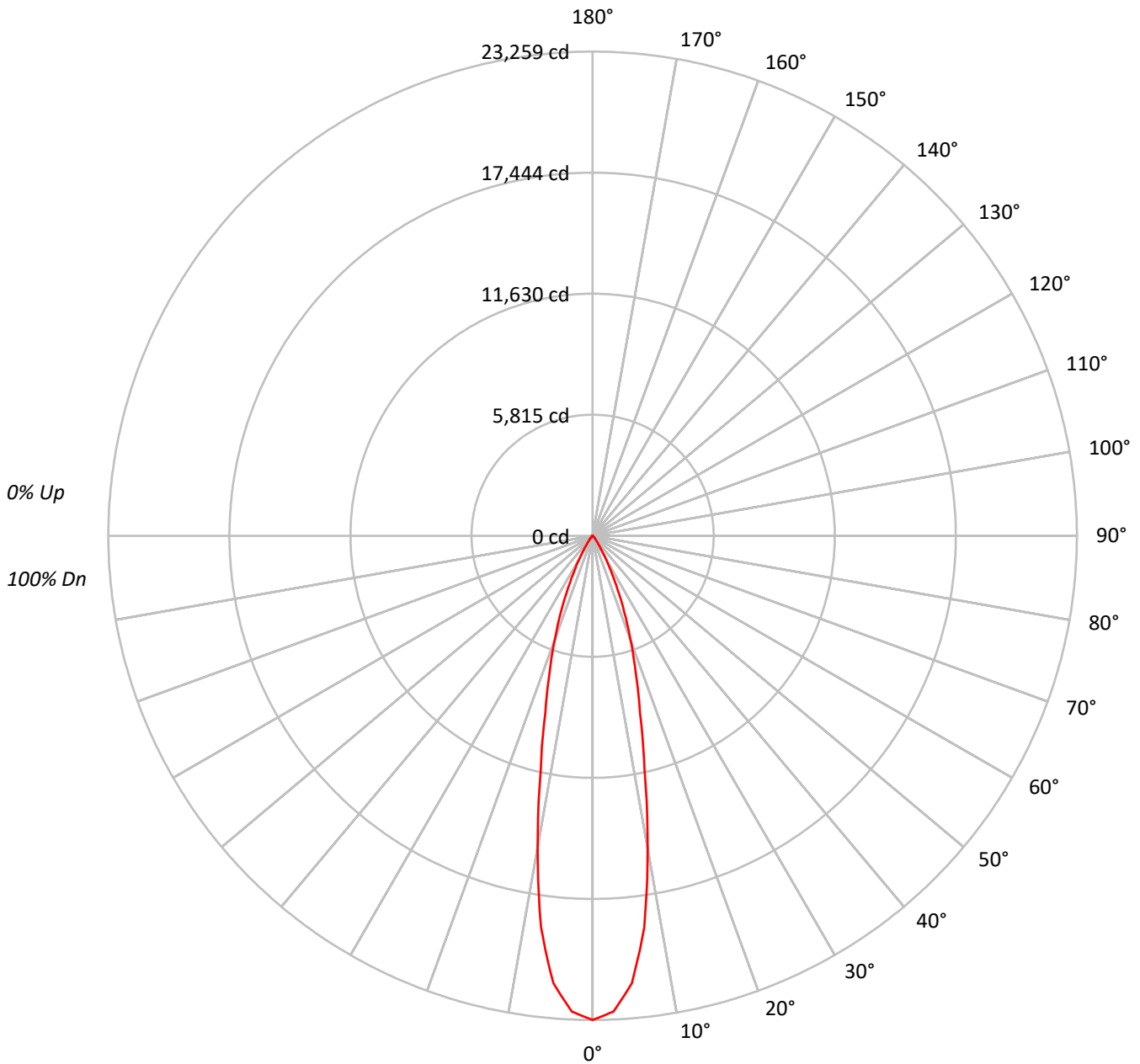
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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°	2541329
5°	2366930
10°	1688392
15°	994394
20°	618734
25°	339558
30°	155295
35°	58808
40°	26629
45°	16008
50°	6646
55°	4286
60°	2994
65°	2017
70°	319
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16008 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1854.7	30.2
10°-20°	2512.0	41.0
20°-30°	1329.3	21.7
30°-40°	328.1	5.4
40°-50°	80.1	1.3
50°-60°	21.1	0.3
60°-70°	7.1	0.1
70°-80°	0.1	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°	5696.1	92.9
0°-40°	6024.2	98.2
0°-60°	6125.3	99.9
0°-90°	6132.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6132.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	23259	
5°	21581	###
15°	8791	2512
25°	2817	1329
35°	441	328
45°	104	80
55°	22	21
65°	8	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	23259.3
2.5°	22877.0
5°	21580.7
7.5°	18976.2
10°	15218.1
12.5°	11504.0
15°	8791.0
17.5°	6851.4
20°	5321.4
22.5°	3990.8
25°	2816.6
27.5°	1888.8
30°	1230.9
32.5°	748.9
35°	440.9
37.5°	269.8
40°	186.7
42.5°	142.7
45°	103.6
47.5°	62.6
50°	39.1
52.5°	28.4
55°	22.5
57.5°	17.6
60°	13.7
62.5°	10.8
65°	7.8
67.5°	2.9
70°	1.0
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)