

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: P755259

Luminaire Tested: LD4D90BD010-EU4DR2570959024-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755259  
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-EU4DR2570959024-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

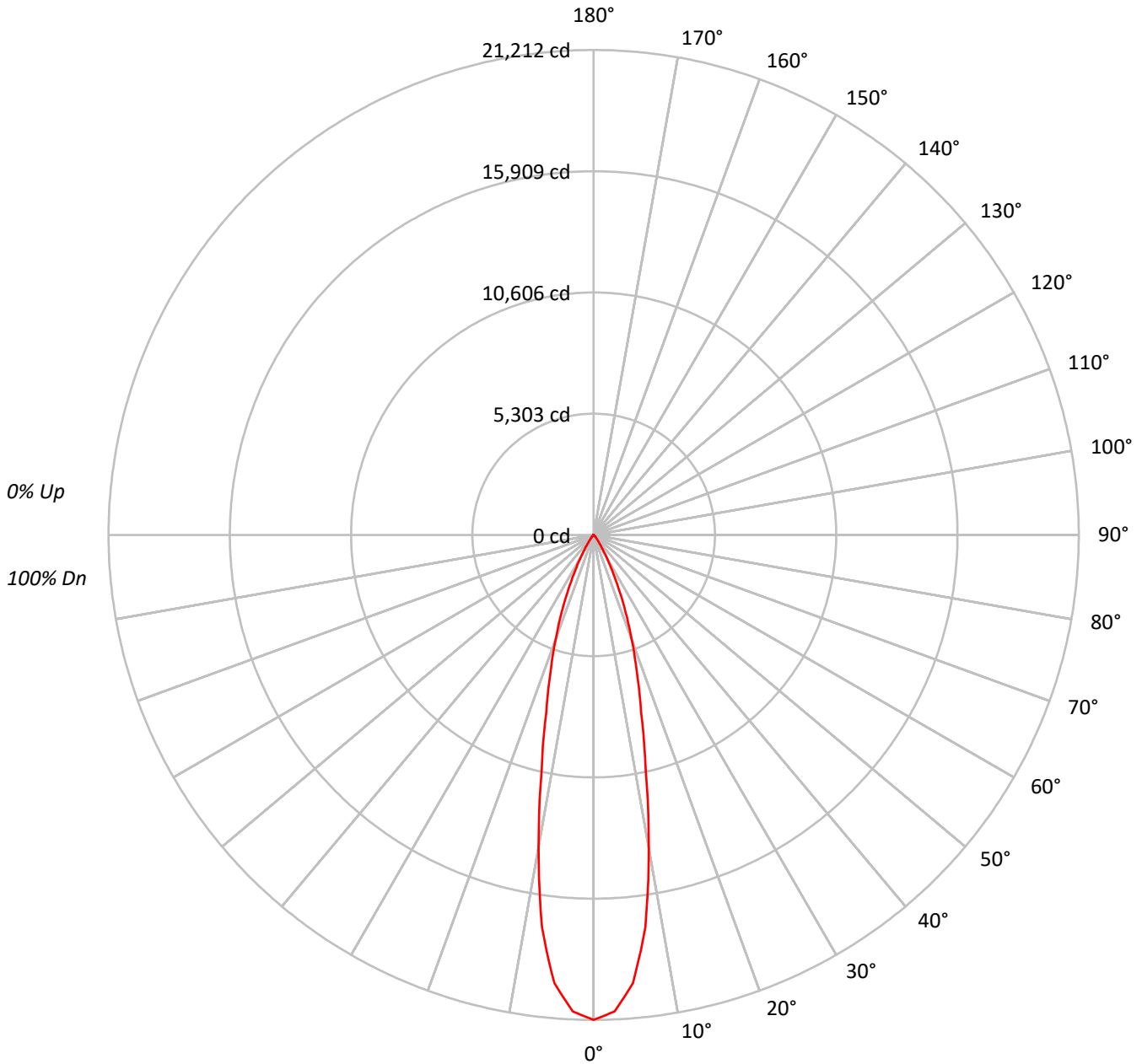
Lumens per Lamp: N/A  
Luminaire Lumens: 5592.9 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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	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°	2317694
5°	2158641
10°	1539823
15°	906900
20°	564284
25°	309684
30°	141631
35°	53633
40°	24290
45°	14602
50°	6068
55°	3905
60°	2732
65°	1836
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14602 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1691.5	30.2
10°-20°	2291.0	41.0
20°-30°	1212.4	21.7
30°-40°	299.3	5.4
40°-50°	73.0	1.3
50°-60°	19.2	0.3
60°-70°	6.4	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°	5194.8	92.9
0°-40°	5494.1	98.2
0°-60°	5586.4	99.9
0°-90°	5592.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5592.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21212	
5°	19682	###
15°	8018	2291
25°	2569	1212
35°	402	299
45°	94	73
55°	20	19
65°	7	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21212.5
2.5°	20863.9
5°	19681.6
7.5°	17306.4
10°	13879.0
12.5°	10491.7
15°	8017.5
17.5°	6248.5
20°	4853.1
22.5°	3639.6
25°	2568.8
27.5°	1722.6
30°	1122.6
32.5°	683.0
35°	402.1
37.5°	246.1
40°	170.3
42.5°	130.2
45°	94.5
47.5°	57.1
50°	35.7
52.5°	25.9
55°	20.5
57.5°	16.0
60°	12.5
62.5°	9.8
65°	7.1
67.5°	2.7
70°	0.9
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)