

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: P754690

Luminaire Tested: LD4D85BD010-EU4DR3570959050-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P754690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D85BD010-EU4DR3570959050-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

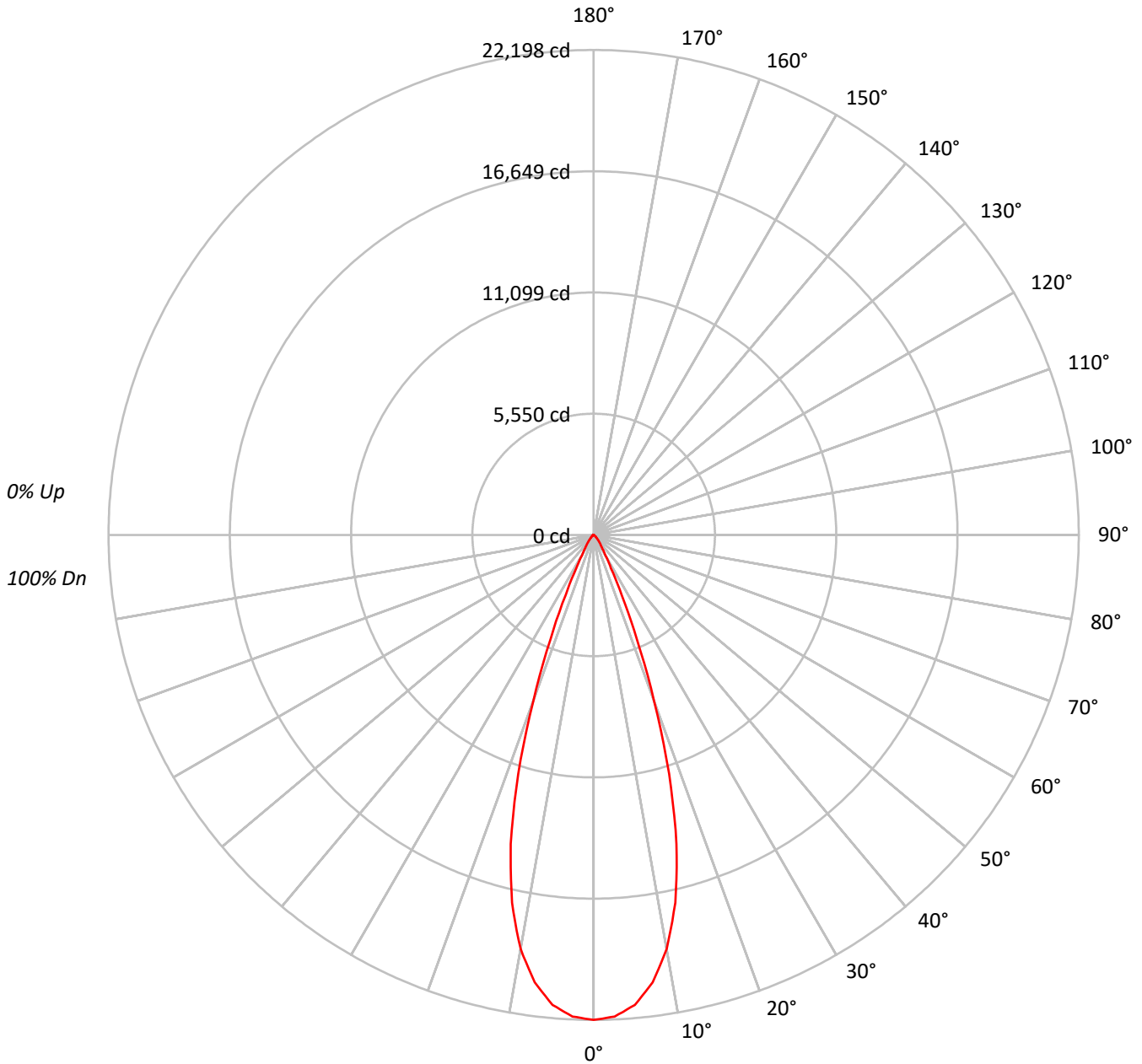
Lumens per Lamp: N/A  
Luminaire Lumens: 8067.7 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 87.7  
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									
RC	80									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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96						96													
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88						88													
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						84													
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81						81													
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						78													
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75						75													
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						72													
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70						70													
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68						68													

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

	0°
0°	2425392
5°	2368400
10°	2134551
15°	1656762
20°	939682
25°	365586
30°	136383
35°	74761
40°	48865
45°	29745
50°	18936
55°	13372
60°	9790
65°	5326
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1986.0	24.6
10°-20°	3877.6	48.1
20°-30°	1581.4	19.6
30°-40°	378.4	4.7
40°-50°	157.7	2.0
50°-60°	65.3	0.8
60°-70°	20.5	0.3
70°-80°	0.5	0.0
80°-90°	0.3	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°	7445.0	92.3
0°-40°	7823.5	97.0
0°-60°	8046.5	99.7
0°-90°	8067.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8067.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22198	
5°	21594	###
15°	14647	3878
25°	3032	1581
35°	560	378
45°	192	158
55°	70	65
65°	21	20
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	22198.2
2.5°	22065.0
5°	21594.1
7.5°	20654.7
10°	19239.5
12.5°	17247.0
15°	14646.7
17.5°	11466.5
20°	8081.7
22.5°	5153.4
25°	3032.5
27.5°	1714.2
30°	1081.0
32.5°	759.0
35°	560.5
37.5°	433.4
40°	342.6
42.5°	263.9
45°	192.5
47.5°	144.1
50°	111.4
52.5°	88.4
55°	70.2
57.5°	56.9
60°	44.8
62.5°	32.7
65°	20.6
67.5°	7.3
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.2
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)