

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: P756679

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7891.4 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

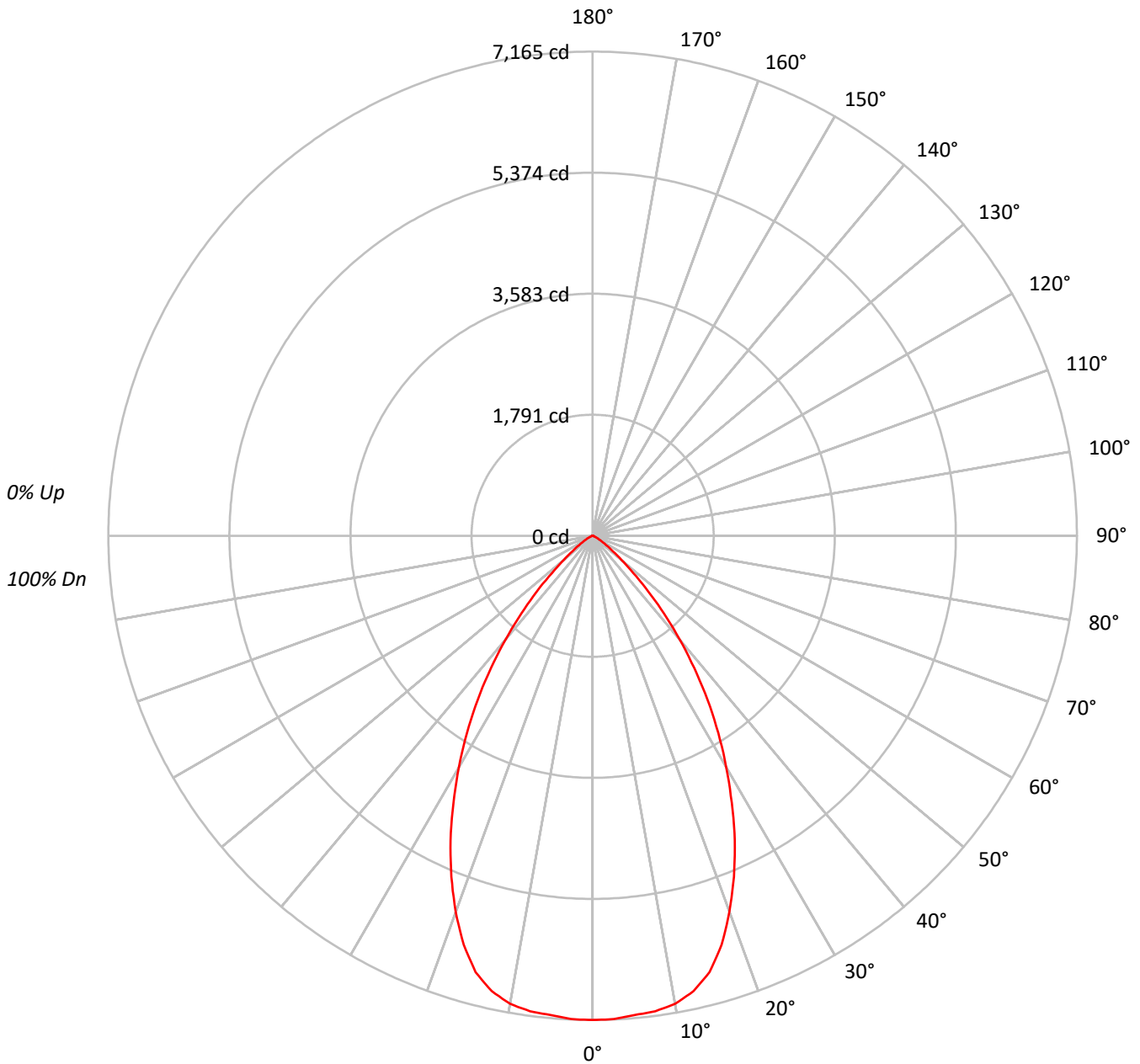
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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	0																
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	105	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	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	418470
5°	417418
10°	417061
15°	404203
20°	367978
25°	320668
30°	266708
35°	211327
40°	152527
45°	96356
50°	50228
55°	26698
60°	14017
65°	7711
70°	3244
75°	3565
80°	2489
85°	2144

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 96356 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	677.6	8.6
10°-20°	1855.5	23.5
20°-30°	2268.1	28.7
30°-40°	1840.3	23.3
40°-50°	917.0	11.6
50°-60°	255.8	3.2
60°-70°	58.1	0.7
70°-80°	15.1	0.2
80°-90°	3.9	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°	4801.2	60.8
0°-40°	6641.5	84.2
0°-60°	7814.3	99.0
0°-90°	7891.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7891.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7165	
5°	7120	678
15°	6685	1856
25°	4976	2268
35°	2964	1840
45°	1167	917
55°	262	256
65°	56	58
75°	16	15
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7165.1
2.5°	7159.9
5°	7119.9
7.5°	7096.7
10°	7032.5
12.5°	6901.9
15°	6685.0
17.5°	6346.0
20°	5920.6
22.5°	5461.5
25°	4976.1
27.5°	4457.0
30°	3954.8
32.5°	3458.9
35°	2964.0
37.5°	2470.2
40°	2000.6
42.5°	1560.4
45°	1166.6
47.5°	812.9
50°	552.8
52.5°	381.2
55°	262.2
57.5°	176.9
60°	120.0
62.5°	83.2
65°	55.8
67.5°	28.4
70°	19.0
72.5°	17.9
75°	15.8
77.5°	10.5
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
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)