

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: P752880

Luminaire Tested: LD4D70BD010-EU4DR7070959035-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752880  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D70BD010-EU4DR7070959035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

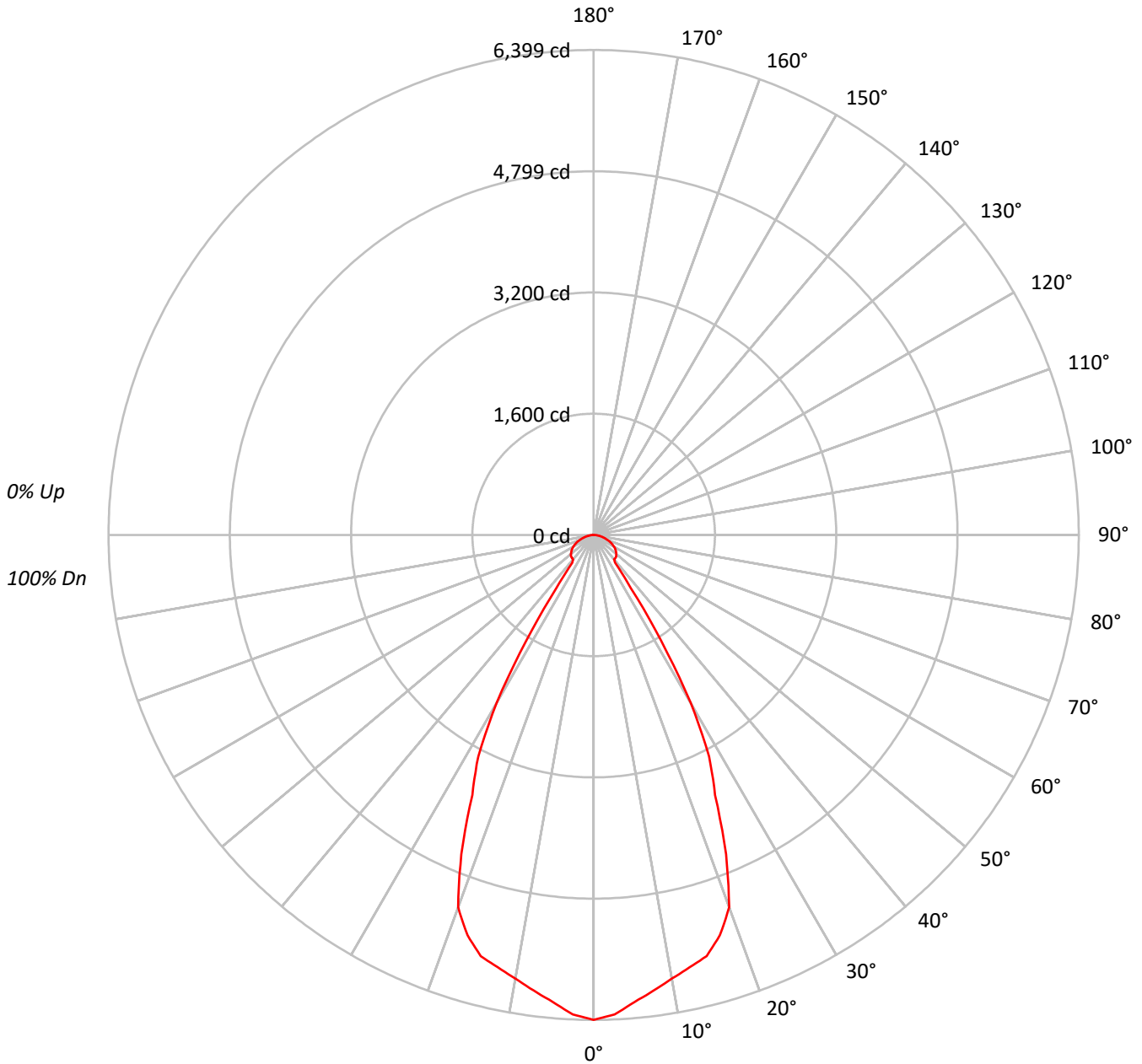
Lumens per Lamp: N/A  
Luminaire Lumens: 5692.1 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

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

	0°
0°	699203
5°	678436
10°	659520
15°	650864
20°	607782
25°	456593
30°	322777
35°	114336
40°	60118
45°	64032
50°	66309
55°	67548
60°	67982
65°	66546
70°	62805
75°	58172
80°	51658
85°	41871

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 68001 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.4	10.3
10°-20°	1600.4	28.1
20°-30°	1762.6	31.0
30°-40°	673.4	11.8
40°-50°	318.0	5.6
50°-60°	316.1	5.6
60°-70°	253.1	4.4
70°-80°	145.5	2.6
80°-90°	39.6	0.7
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°	3946.4	69.3
0°-40°	4619.8	81.2
0°-60°	5253.9	92.3
0°-90°	5692.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5692.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6399	
5°	6186	583
15°	5754	1600
25°	3787	1763
35°	857	673
45°	414	318
55°	355	316
65°	257	253
75°	138	145
85°	33	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6399.4
2.5°	6332.6
5°	6185.7
7.5°	6063.1
10°	5944.5
12.5°	5844.2
15°	5754.0
17.5°	5536.2
20°	5227.2
22.5°	4560.5
25°	3787.4
27.5°	3297.0
30°	2558.4
32.5°	1652.5
35°	857.2
37.5°	463.0
40°	421.5
42.5°	418.5
45°	414.4
47.5°	405.3
50°	390.1
52.5°	372.9
55°	354.6
57.5°	334.4
60°	311.1
62.5°	284.7
65°	257.4
67.5°	227.0
70°	196.6
72.5°	166.2
75°	137.8
77.5°	108.4
80°	82.1
82.5°	57.8
85°	33.4
87.5°	13.2
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)