

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: P752764

Luminaire Tested: LD4D70BD010-EU4DR6570959027-4LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752764  
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: LD4D70BD010-EU4DR6570959027-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

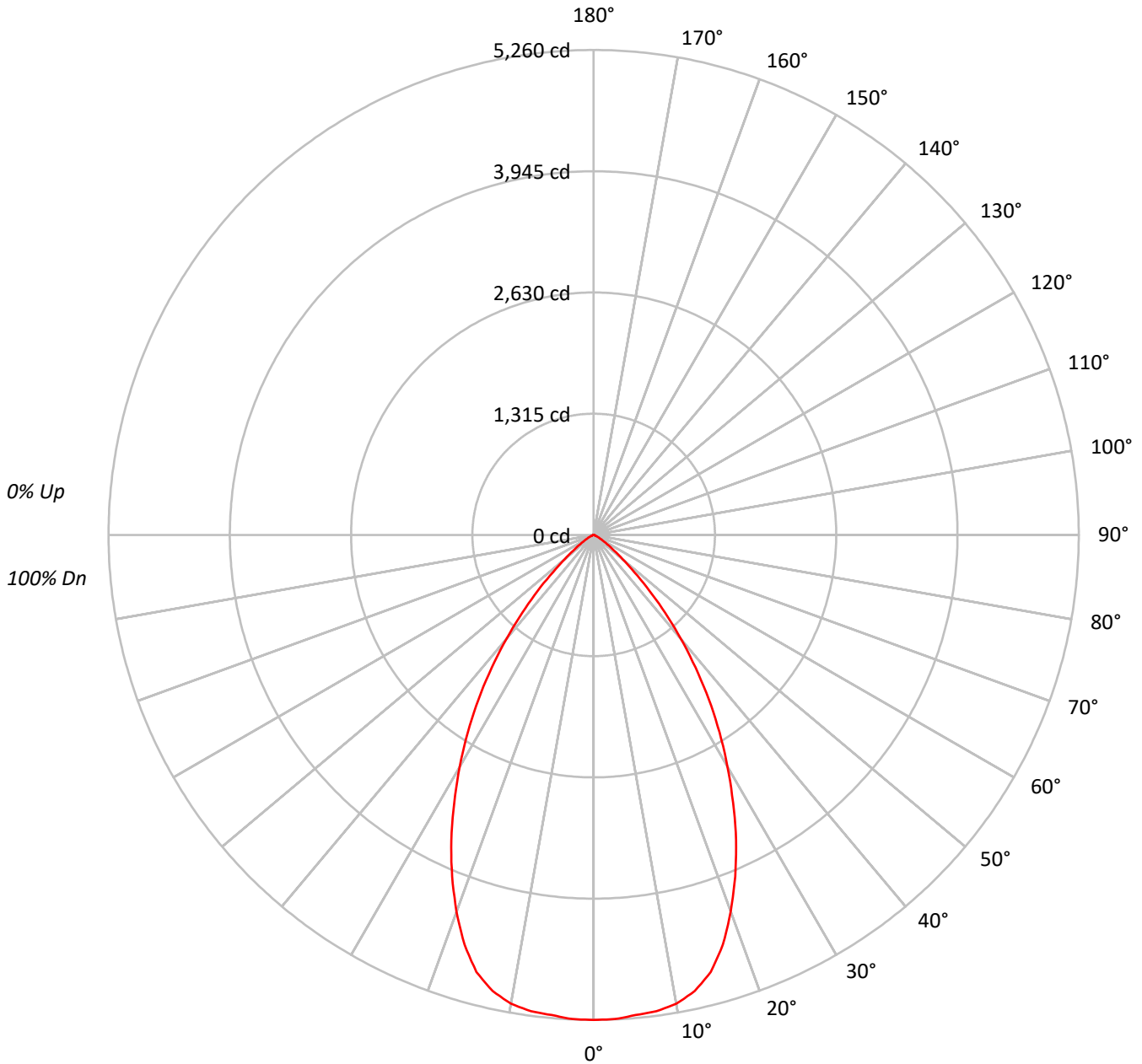
Lumens per Lamp: N/A  
Luminaire Lumens: 5793.6 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 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
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°	307234
5°	306461
10°	306197
15°	296758
20°	270163
25°	235431
30°	195809
35°	155151
40°	111983
45°	70743
50°	36871
55°	19601
60°	10291
65°	5666
70°	2374
75°	2618
80°	1816
85°	1541

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 70743 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.5	8.6
10°-20°	1362.3	23.5
20°-30°	1665.2	28.7
30°-40°	1351.1	23.3
40°-50°	673.3	11.6
50°-60°	187.8	3.2
60°-70°	42.7	0.7
70°-80°	11.1	0.2
80°-90°	2.8	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°	3524.9	60.8
0°-40°	4876.0	84.2
0°-60°	5737.0	99.0
0°-90°	5793.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5793.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5260	
5°	5227	497
15°	4908	1362
25°	3653	1665
35°	2176	1351
45°	856	673
55°	192	188
65°	41	43
75°	12	11
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5260.5
2.5°	5256.6
5°	5227.3
7.5°	5210.2
10°	5163.1
12.5°	5067.2
15°	4908.0
17.5°	4659.1
20°	4346.8
22.5°	4009.7
25°	3653.4
27.5°	3272.3
30°	2903.5
32.5°	2539.4
35°	2176.1
37.5°	1813.5
40°	1468.8
42.5°	1145.6
45°	856.5
47.5°	596.8
50°	405.8
52.5°	279.8
55°	192.5
57.5°	129.9
60°	88.1
62.5°	61.1
65°	41.0
67.5°	20.9
70°	13.9
72.5°	13.1
75°	11.6
77.5°	7.7
80°	5.4
82.5°	3.9
85°	2.3
87.5°	1.5
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)