

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: P752595

Luminaire Tested: LD4D70BD010-EU4DR5570959024-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D70BD010-EU4DR5570959024-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5841.4 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

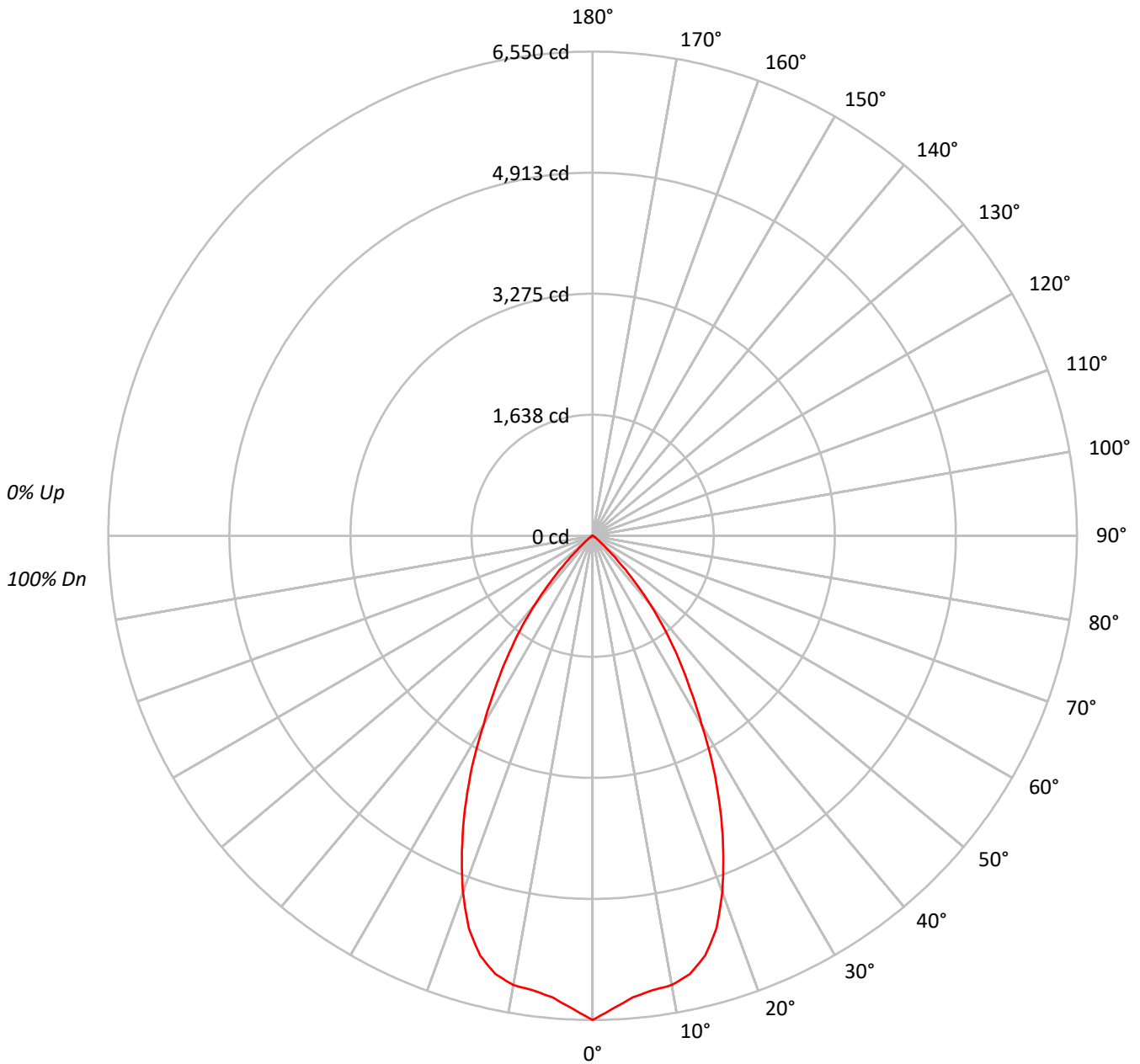
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75					75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70					70			
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65					65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61					61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57					57			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54					54			
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50					50			

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

	0°
0°	715691
5°	687265
10°	684672
15°	665003
20°	596271
25°	492784
30°	372245
35°	269900
40°	172725
45°	78881
50°	25803
55°	11125
60°	4786
65°	620
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 78881 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.3	10.2
10°-20°	1627.3	27.9
20°-30°	1854.5	31.7
30°-40°	1262.4	21.6
40°-50°	435.0	7.4
50°-60°	60.1	1.0
60°-70°	5.8	0.1
70°-80°	0.0	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°	4078.0	69.8
0°-40°	5340.5	91.4
0°-60°	5835.6	99.9
0°-90°	5841.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5841.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6550	
5°	6266	596
15°	5879	1627
25°	4088	1854
35°	2024	1262
45°	510	435
55°	58	60
65°	2	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6550.3
2.5°	6400.1
5°	6266.2
7.5°	6200.5
10°	6171.2
12.5°	6073.8
15°	5879.0
17.5°	5569.8
20°	5128.2
22.5°	4618.5
25°	4087.6
27.5°	3534.9
30°	2950.5
32.5°	2455.3
35°	2023.5
37.5°	1612.8
40°	1211.0
42.5°	839.3
45°	510.5
47.5°	275.2
50°	151.8
52.5°	90.1
55°	58.4
57.5°	37.3
60°	21.9
62.5°	9.7
65°	2.4
67.5°	0.8
70°	0.0
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

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)