

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: P750561

Luminaire Tested: LD4D55D010-EU4DR7055659050-4LBS1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D55D010-EU4DR7055659050-4LBS1B  
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5765.0 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

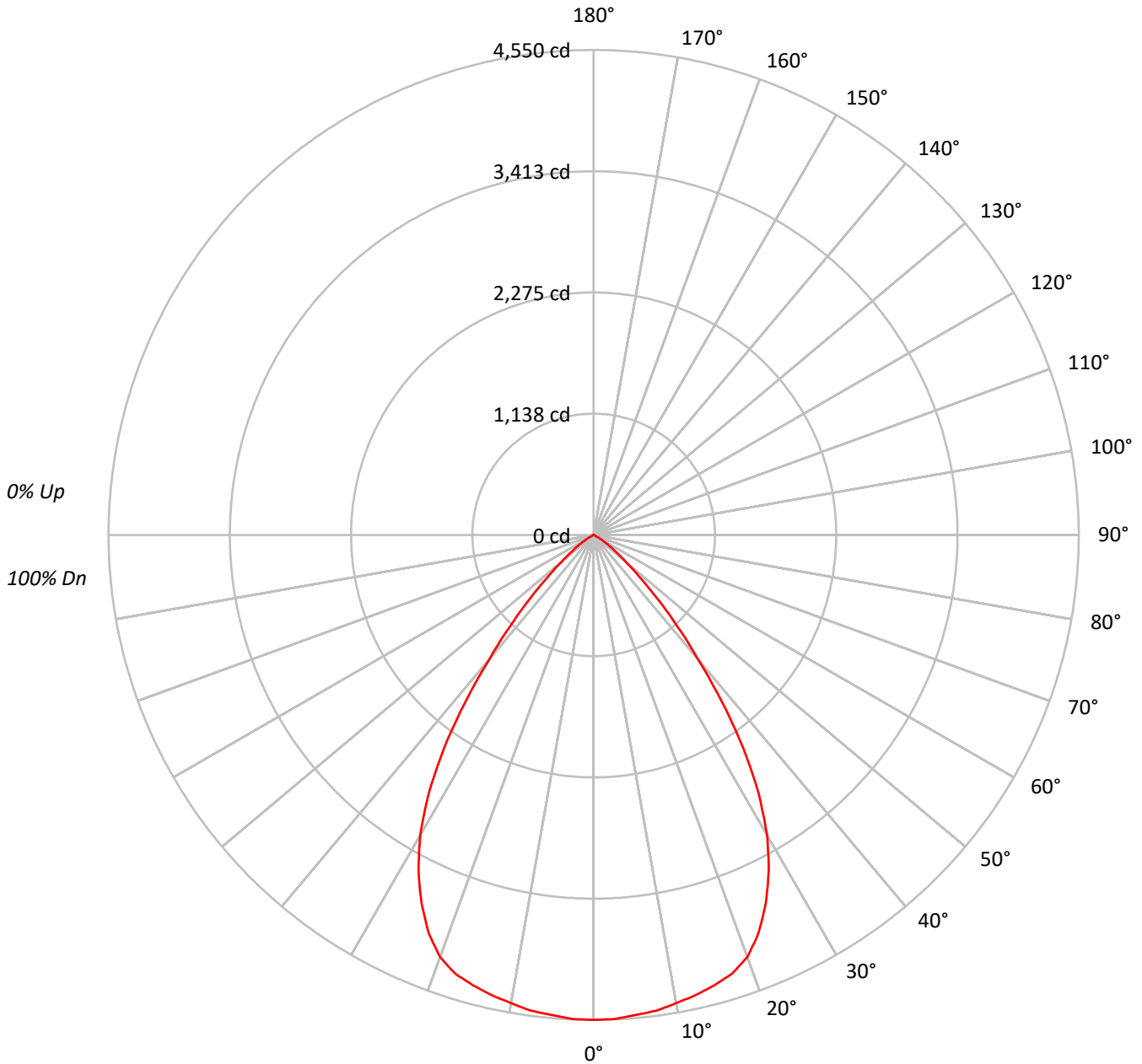
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93					93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85					85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78					78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71					71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65					65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60					60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56					56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48					48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44					44			

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

	0°
0°	497169
5°	495921
10°	494854
15°	494709
20°	489881
25°	460174
30°	410246
35°	327095
40°	217197
45°	129842
50°	67312
55°	35374
60°	12521
65°	207
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 129842 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.0	7.5
10°-20°	1233.3	21.4
20°-30°	1739.8	30.2
30°-40°	1501.9	26.1
40°-50°	672.6	11.7
50°-60°	176.1	3.1
60°-70°	11.5	0.2
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°	3403.0	59.0
0°-40°	4904.9	85.1
0°-60°	5753.6	99.8
0°-90°	5765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5765.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4550	
5°	4522	430
15°	4374	1233
25°	3817	1740
35°	2452	1502
45°	840	673
55°	186	176
65°	1	11
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4550.3
2.5°	4545.4
5°	4521.6
7.5°	4502.0
10°	4460.3
12.5°	4422.6
15°	4373.5
17.5°	4317.1
20°	4213.2
22.5°	4042.1
25°	3817.1
27.5°	3556.1
30°	3251.7
32.5°	2879.4
35°	2452.3
37.5°	1981.0
40°	1522.8
42.5°	1157.0
45°	840.3
47.5°	579.3
50°	396.0
52.5°	273.3
55°	185.7
57.5°	112.1
60°	57.3
62.5°	18.0
65°	0.8
67.5°	0.0
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

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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)