

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: P743281

Luminaire Tested: LD4D15D010-EU4DR400215IC9030-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR400215IC9030-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1321.7 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
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

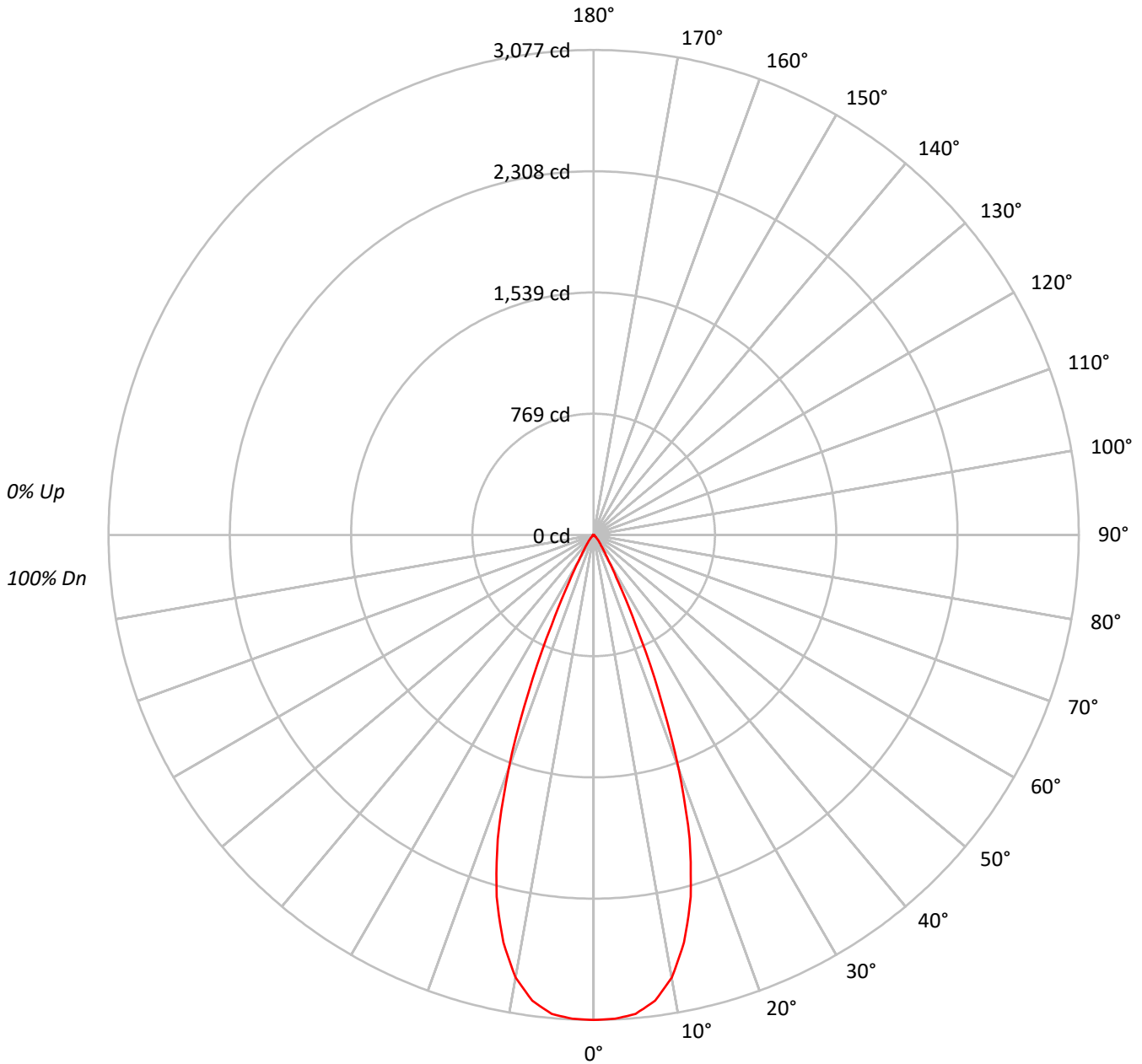


Downlight



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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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96					96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88					88			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84					84			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81					81			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77					77			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74					74			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72					72			
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69					69			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67					67			

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

	0°
0°	336228
5°	334595
10°	316263
15°	268863
20°	183258
25°	76469
30°	24047
35°	11177
40°	6176
45°	2828
50°	1377
55°	762
60°	393
65°	129
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2828 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.9	21.6
10°-20°	638.2	48.3
20°-30°	319.5	24.2
30°-40°	58.6	4.4
40°-50°	16.2	1.2
50°-60°	3.8	0.3
60°-70°	0.7	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°	1242.5	94.0
0°-40°	1301.0	98.4
0°-60°	1321.0	99.9
0°-90°	1321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3077	
5°	3051	285
15°	2377	638
25°	634	319
35°	84	59
45°	18	16
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3077.3
2.5°	3072.8
5°	3050.7
7.5°	2980.3
10°	2850.6
12.5°	2648.6
15°	2376.9
17.5°	2023.7
20°	1576.1
22.5°	1074.5
25°	634.3
27.5°	335.3
30°	190.6
32.5°	123.1
35°	83.8
37.5°	59.9
40°	43.3
42.5°	29.7
45°	18.3
47.5°	11.7
50°	8.1
52.5°	5.7
55°	4.0
57.5°	2.5
60°	1.8
62.5°	1.1
65°	0.5
67.5°	0.3
70°	0.2
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)