

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: P743520

Luminaire Tested: LD4D15D010-EU4DR550215IC9030-4LBSQW1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743520  
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: LD4D15D010-EU4DR550215IC9030-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1116.9 lumens  
Efficiency: N/A  
Efficacy: 70.7 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): 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

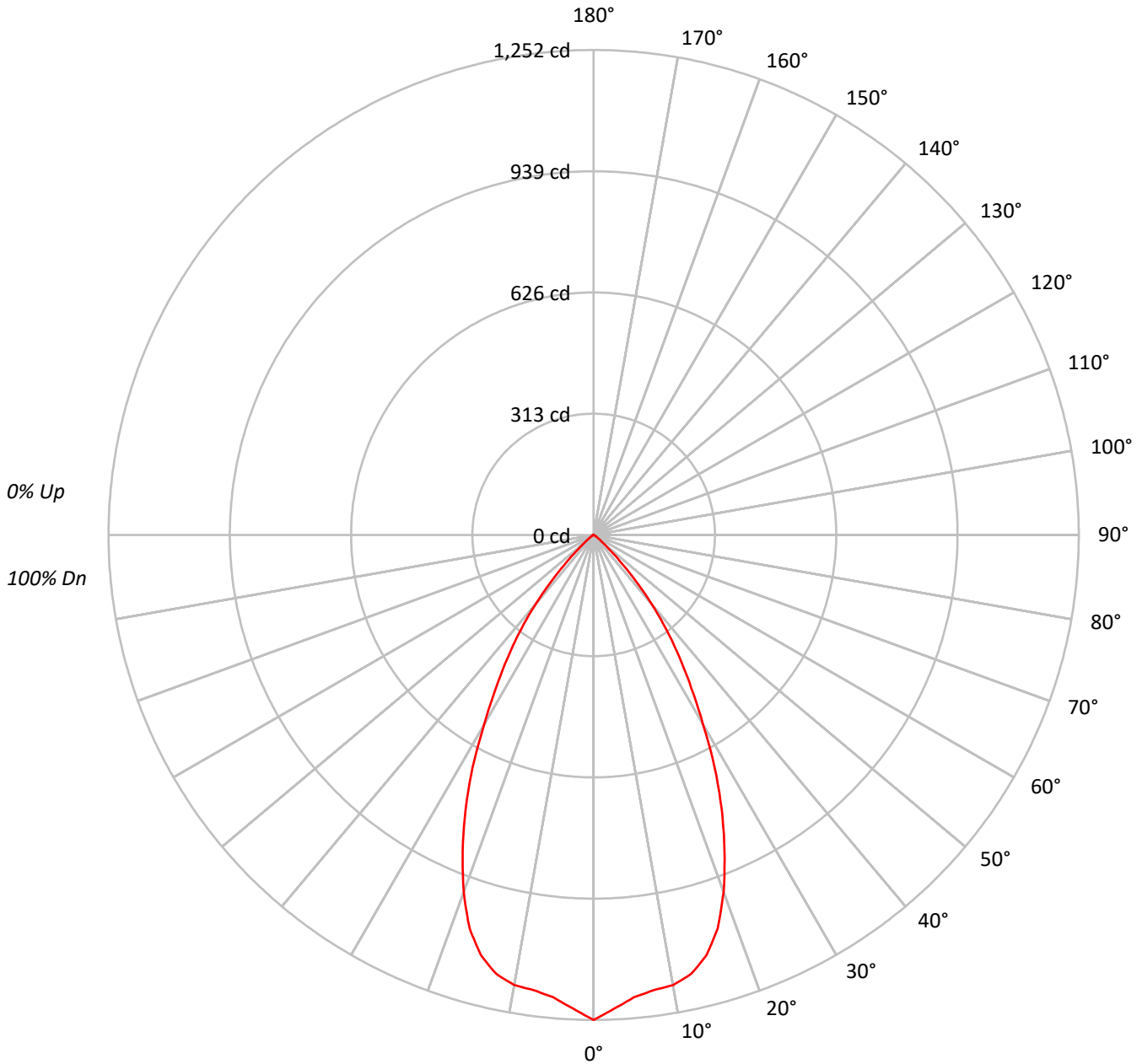


Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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			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°	136838
5°	131394
10°	130906
15°	127141
20°	114006
25°	94214
30°	71169
35°	51606
40°	33019
45°	15081
50°	4929
55°	2133
60°	918
65°	129
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15081 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.0	10.2
10°-20°	311.1	27.9
20°-30°	354.6	31.7
30°-40°	241.4	21.6
40°-50°	83.2	7.4
50°-60°	11.5	1.0
60°-70°	1.1	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°	779.7	69.8
0°-40°	1021.1	91.4
0°-60°	1115.7	99.9
0°-90°	1116.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1252	
5°	1198	114
15°	1124	311
25°	782	355
35°	387	241
45°	98	83
55°	11	12
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1252.4
2.5°	1223.7
5°	1198.0
7.5°	1185.4
10°	1179.9
12.5°	1161.3
15°	1124.0
17.5°	1064.9
20°	980.5
22.5°	883.0
25°	781.5
27.5°	675.9
30°	564.1
32.5°	469.4
35°	386.9
37.5°	308.4
40°	231.5
42.5°	160.5
45°	97.6
47.5°	52.6
50°	29.0
52.5°	17.2
55°	11.2
57.5°	7.2
60°	4.2
62.5°	1.9
65°	0.5
67.5°	0.2
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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Scaled Data Report



(END OF REPORT)