

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: P743435

Luminaire Tested: LD4D15D010-EU4DR500215IC9030-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR500215IC9030-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1352.1 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
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



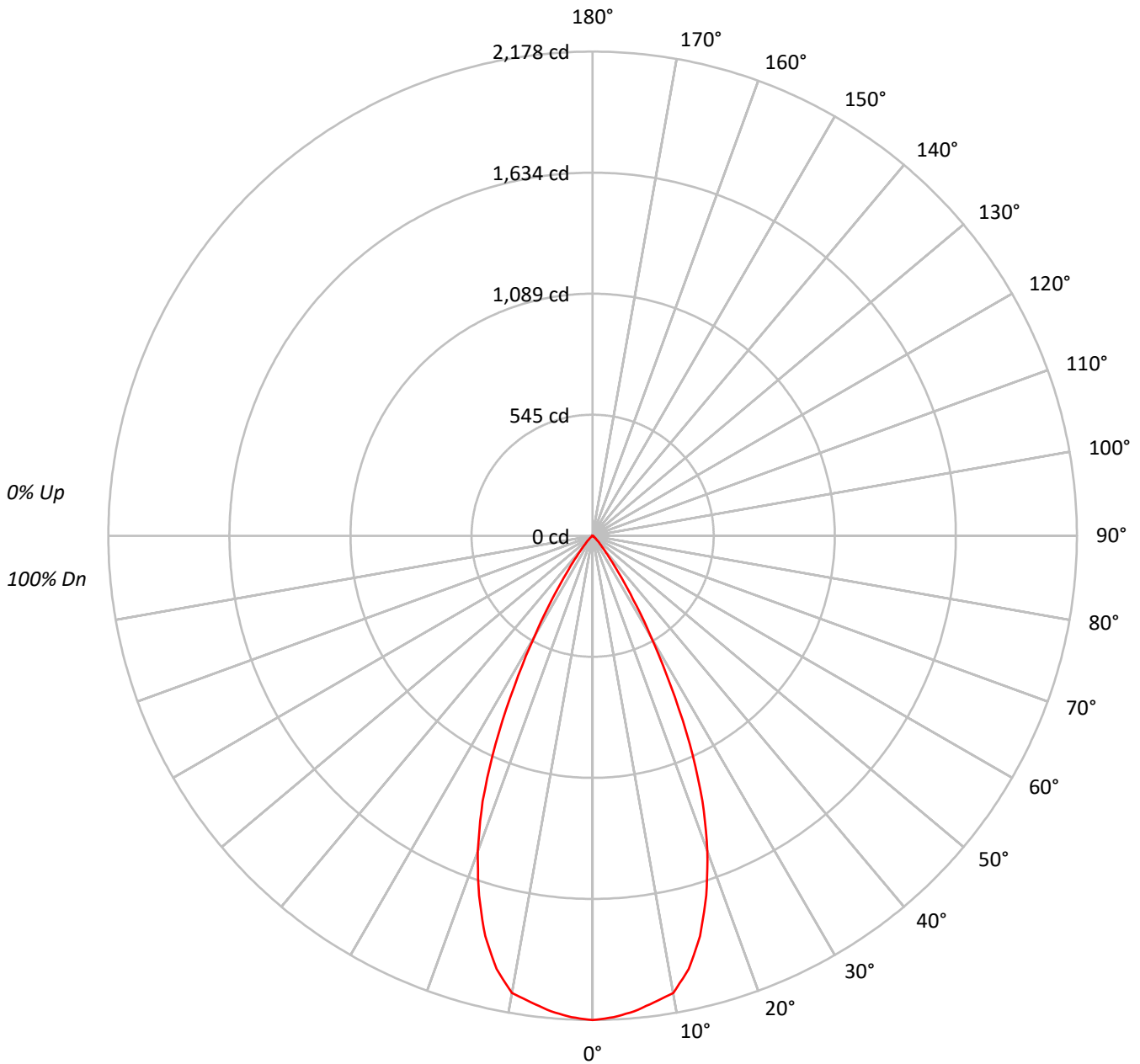
Downlight



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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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	100														
	1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	97	95														
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	91	90														
	3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	86	85														
	4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	82	80														
	5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	77	76														
	6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	74	74	74	74	72														
	7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	70	69														
	8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	66	65														
	9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	63	63	63	63	62														
	10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	60	60	60	60	59														

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

	0°
0°	238025
5°	235534
10°	231645
15°	210937
20°	175526
25°	124595
30°	65946
35°	26877
40°	9984
45°	4574
50°	1870
55°	991
60°	481
65°	155
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4574 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.0	15.0
10°-20°	513.0	37.9
20°-30°	460.8	34.1
30°-40°	144.3	10.7
40°-50°	25.3	1.9
50°-60°	5.0	0.4
60°-70°	0.8	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°	1176.7	87.0
0°-40°	1321.0	97.7
0°-60°	1351.3	99.9
0°-90°	1352.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2178	
5°	2148	203
15°	1865	513
25°	1034	461
35°	202	144
45°	30	25
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2178.5
2.5°	2167.7
5°	2147.5
7.5°	2116.7
10°	2087.9
12.5°	1996.2
15°	1864.8
17.5°	1698.1
20°	1509.6
22.5°	1291.6
25°	1033.5
27.5°	759.8
30°	522.7
32.5°	340.3
35°	201.5
37.5°	115.7
40°	70.0
42.5°	45.5
45°	29.6
47.5°	18.0
50°	11.0
52.5°	7.5
55°	5.2
57.5°	3.5
60°	2.2
62.5°	1.3
65°	0.6
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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(END OF REPORT)