

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: P747148

Luminaire Tested: LD4D35BD010-EU4DR5520359027-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P747148  
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: LD4D35BD010-EU4DR5520359027-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3117.5 lumens  
Efficiency: N/A  
Efficacy: 101.2 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

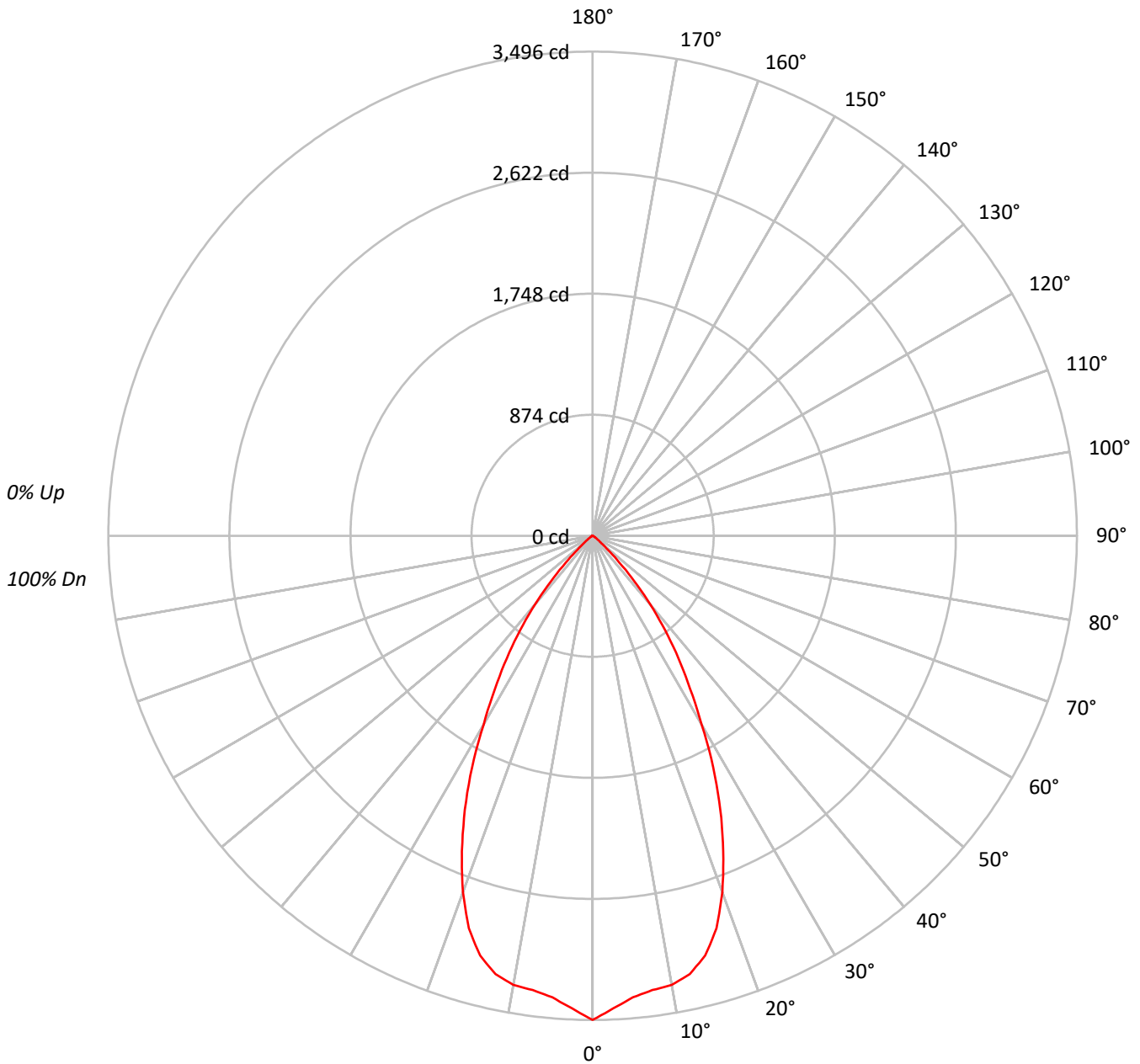
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68		75	70	67		74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63		71	66	63		70	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62	58	55	54
10	72	62	56	52	71	61	56	52	61	56	52		60	55	52		59	55	52	50

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

	0°
0°	381954
5°	366786
10°	365402
15°	354910
20°	318227
25°	262993
30°	198657
35°	144040
40°	92182
45°	42106
50°	13768
55°	5943
60°	2557
65°	336
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 42106 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.2	10.2
10°-20°	868.5	27.9
20°-30°	989.7	31.7
30°-40°	673.7	21.6
40°-50°	232.2	7.4
50°-60°	32.1	1.0
60°-70°	3.1	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°	2176.4	69.8
0°-40°	2850.1	91.4
0°-60°	3114.4	99.9
0°-90°	3117.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3496	
5°	3344	318
15°	3138	868
25°	2182	990
35°	1080	674
45°	272	232
55°	31	32
65°	1	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3495.8
2.5°	3415.7
5°	3344.2
7.5°	3309.1
10°	3293.5
12.5°	3241.5
15°	3137.6
17.5°	2972.5
20°	2736.9
22.5°	2464.8
25°	2181.5
27.5°	1886.5
30°	1574.6
32.5°	1310.4
35°	1079.9
37.5°	860.7
40°	646.3
42.5°	447.9
45°	272.5
47.5°	146.8
50°	81.0
52.5°	48.1
55°	31.2
57.5°	19.9
60°	11.7
62.5°	5.2
65°	1.3
67.5°	0.4
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)