

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: P746949

Luminaire Tested: LD4D35BD010-EU4DR4020359035-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746949  
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: LD4D35BD010-EU4DR4020359035-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3726.0 lumens  
Efficiency: N/A  
Efficacy: 121.0 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

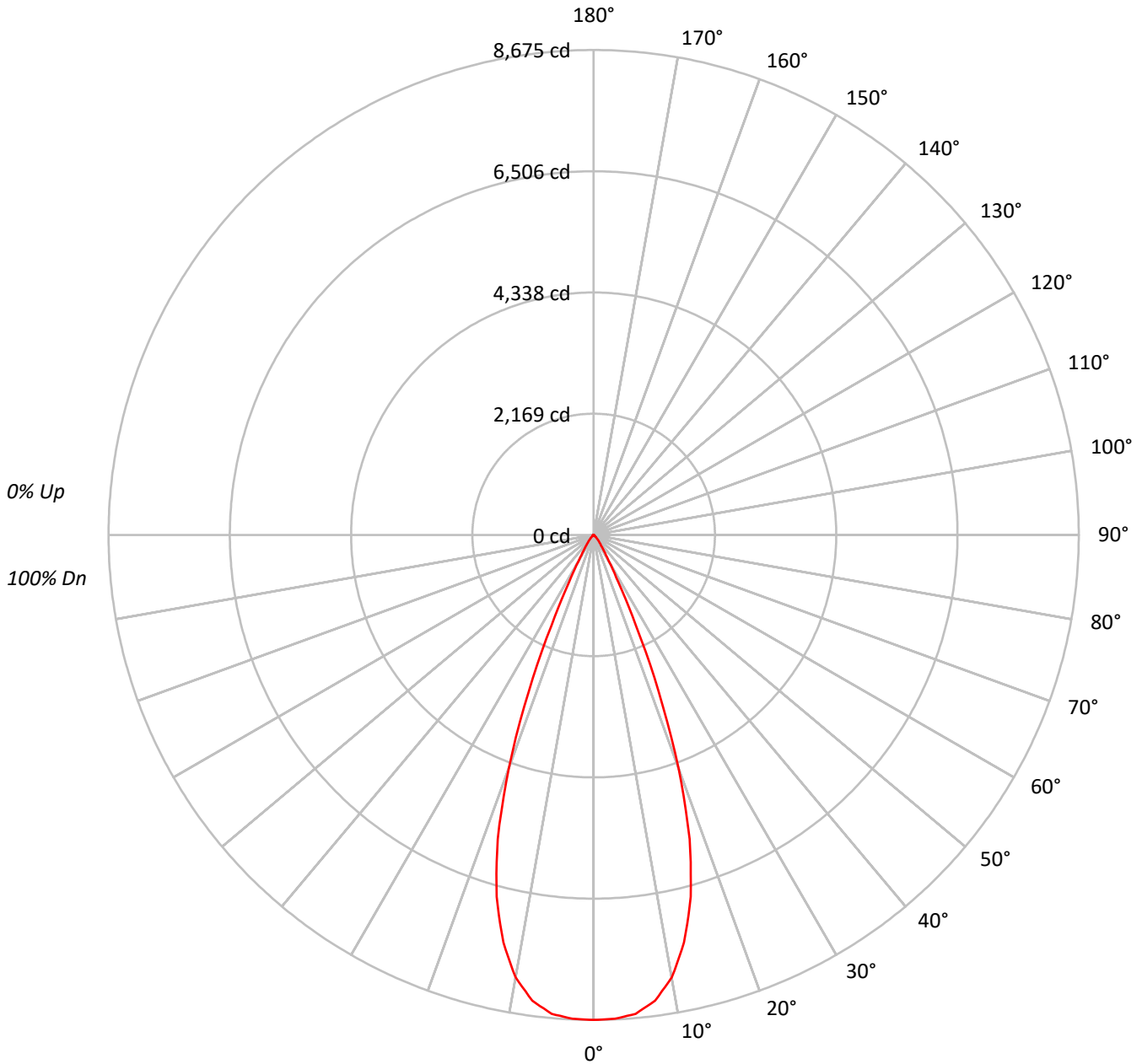
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			

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

	0°
0°	947859
5°	943254
10°	891586
15°	757961
20°	516600
25°	215554
30°	67775
35°	31505
40°	17415
45°	7989
50°	3876
55°	2114
60°	1114
65°	388
70°	160
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7989 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	803.0	21.6
10°-20°	1799.0	48.3
20°-30°	900.5	24.2
30°-40°	165.1	4.4
40°-50°	45.5	1.2
50°-60°	10.7	0.3
60°-70°	2.0	0.1
70°-80°	0.1	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°	3502.6	94.0
0°-40°	3667.7	98.4
0°-60°	3723.9	99.9
0°-90°	3726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8675	
5°	8600	803
15°	6701	1799
25°	1788	901
35°	236	165
45°	52	46
55°	11	11
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8675.2
2.5°	8662.5
5°	8600.2
7.5°	8401.5
10°	8036.2
12.5°	7466.5
15°	6700.8
17.5°	5704.9
20°	4443.0
22.5°	3029.1
25°	1788.0
27.5°	945.2
30°	537.2
32.5°	347.2
35°	236.2
37.5°	168.8
40°	122.1
42.5°	83.6
45°	51.7
47.5°	32.9
50°	22.8
52.5°	16.2
55°	11.1
57.5°	7.1
60°	5.1
62.5°	3.0
65°	1.5
67.5°	1.0
70°	0.5
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)