

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: P777328

Luminaire Tested: LERS4D05D010-EC4DR200210IC9035-4LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P777328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS4D05D010-EC4DR200210IC9035-4LBS1B  
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 700.2 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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



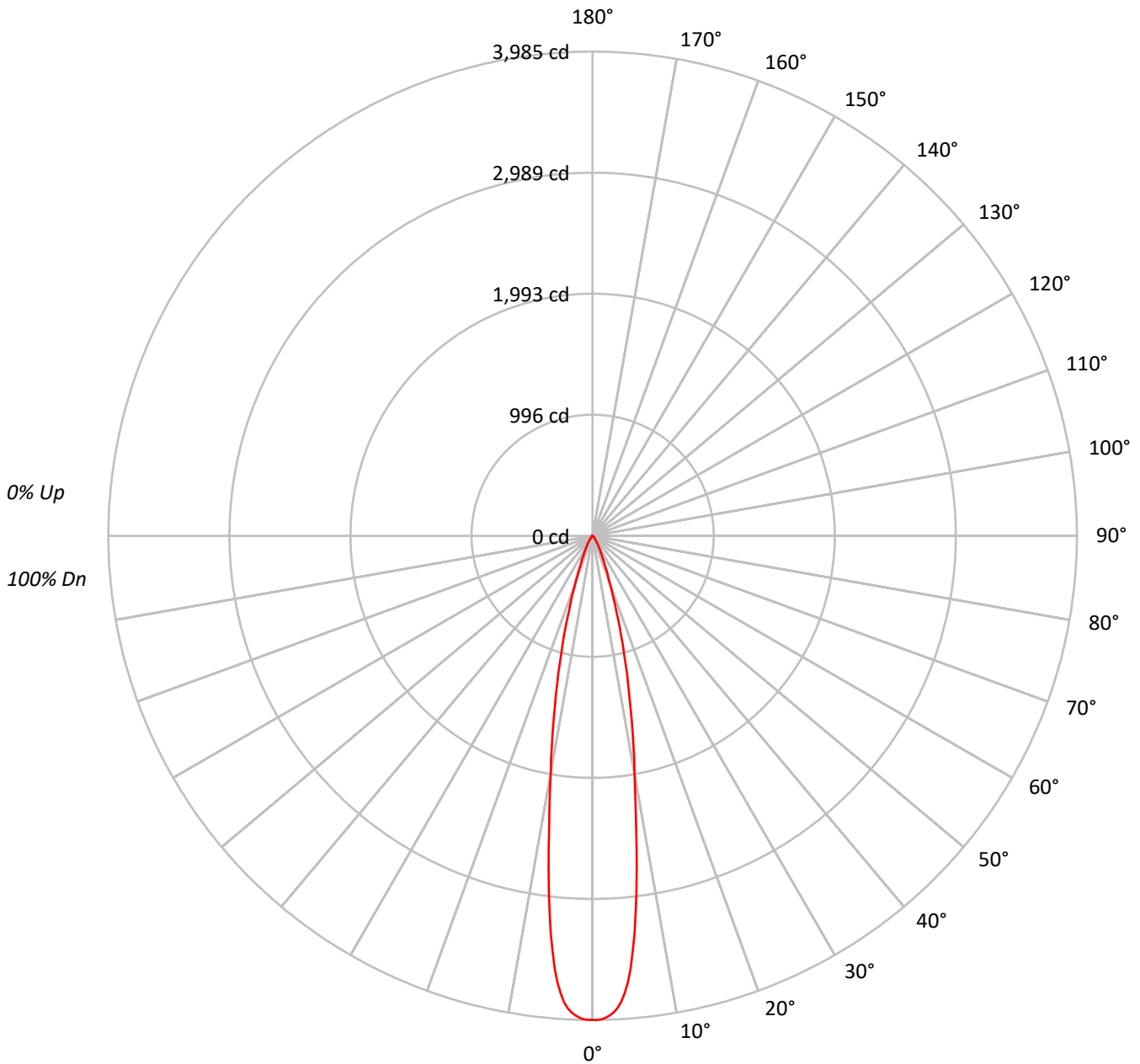
Downlight



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	94	92	91															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	91	89	88															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	89	87	86															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	87	85	84															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	85	83	82															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	83	81	80															

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

	0°
0°	435426
5°	392834
10°	220484
15°	112074
20°	47451
25°	21905
30°	11594
35°	6242
40°	3338
45°	1978
50°	1139
55°	610
60°	393
65°	284
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1978 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.7	40.5
10°-20°	279.4	39.9
20°-30°	91.3	13.0
30°-40°	31.1	4.4
40°-50°	10.4	1.5
50°-60°	3.2	0.5
60°-70°	1.1	0.2
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°	654.4	93.5
0°-40°	685.5	97.9
0°-60°	699.1	99.8
0°-90°	700.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3985	
5°	3582	284
15°	991	279
25°	182	91
35°	47	31
45°	13	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3985.2
0.5°	3985.2
1°	3980.2
1.5°	3970.2
2°	3952.2
2.5°	3928.0
3°	3894.0
3.5°	3846.4
4°	3775.8
4.5°	3689.9
5°	3581.7
5.5°	3439.4
6°	3293.5
6.5°	3126.4
7°	2962.8
7.5°	2771.2
8°	2600.1
8.5°	2428.0
9°	2269.0
9.5°	2123.2
10°	1987.3
12.5°	1426.9
15°	990.8
17.5°	647.3
20°	408.1
22.5°	264.4
25°	181.7
27.5°	127.8
30°	91.9
32.5°	66.0
35°	46.8
37.5°	32.6
40°	23.4
42.5°	17.0
45°	12.8
47.5°	9.9
50°	6.7
52.5°	4.3
55°	3.2
57.5°	2.5
60°	1.8
62.5°	1.4
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		0.7
70°		0.4

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(END OF REPORT)