

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: P740944

Luminaire Tested: LD4D08D010-EU4DR200210IC9027-4LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740944  
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: LD4D08D010-EU4DR200210IC9027-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 767.2 lumens  
Efficiency: N/A  
Efficacy: 86.2 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): 8.9  
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



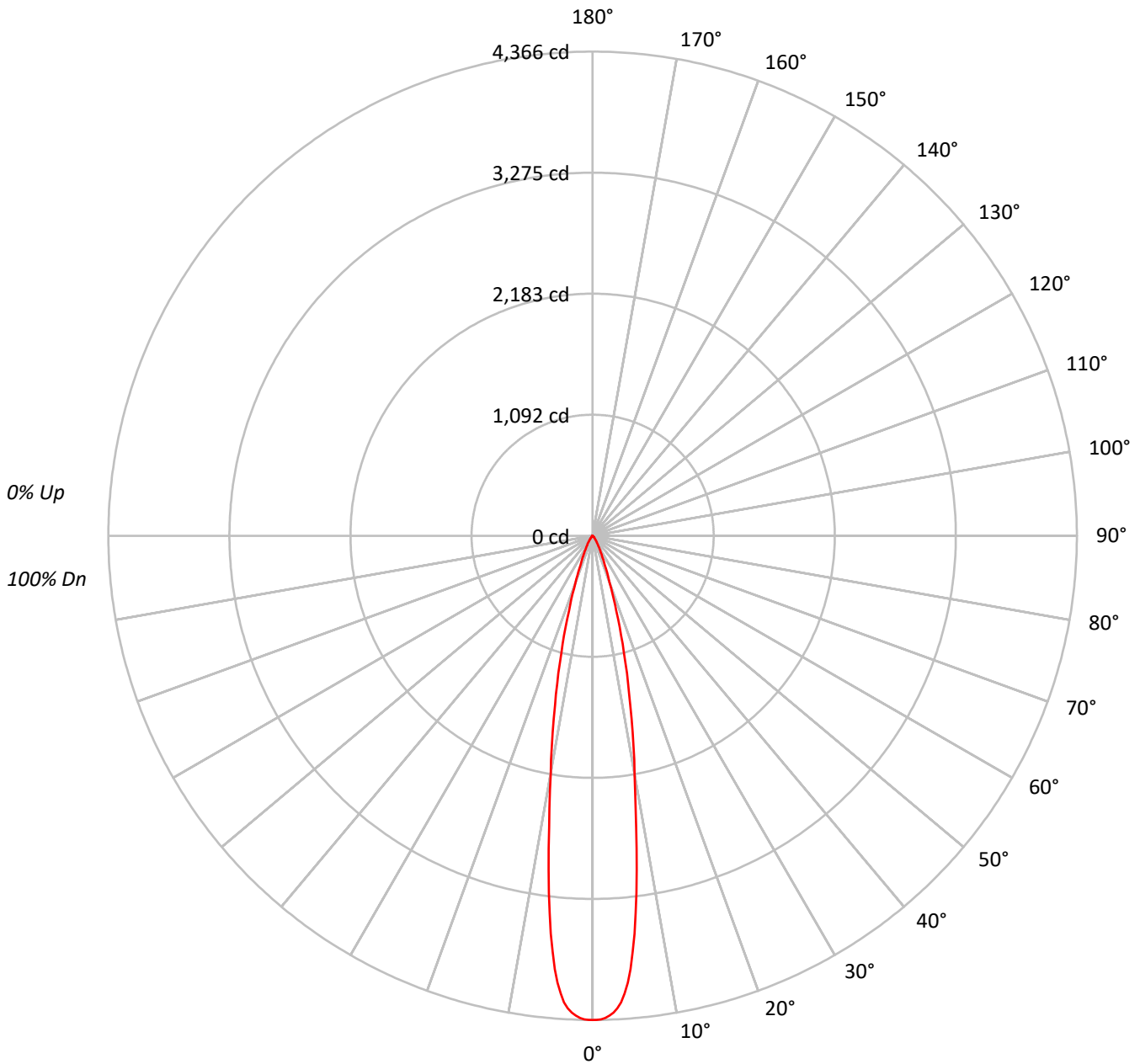
Downlight



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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	95	95	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	92	92	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	89	89	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	86	86	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	84	84	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	82	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	80	80	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	78	78	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	76	76	75															

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

	0°
0°	477087
5°	430421
10°	241574
15°	122798
20°	51986
25°	24003
30°	12705
35°	6843
40°	3666
45°	2163
50°	1258
55°	667
60°	415
65°	310
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2163 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.9	40.5
10°-20°	306.1	39.9
20°-30°	100.0	13.0
30°-40°	34.0	4.4
40°-50°	11.5	1.5
50°-60°	3.4	0.4
60°-70°	1.2	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°	717.0	93.5
0°-40°	751.1	97.9
0°-60°	766.0	99.8
0°-90°	767.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4366	
5°	3924	311
15°	1086	306
25°	199	100
35°	51	34
45°	14	11
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4366.5
0.5°	4366.5
1°	4361.1
1.5°	4350.2
2°	4330.4
2.5°	4303.9
3°	4266.6
3.5°	4214.5
4°	4137.1
4.5°	4043.0
5°	3924.4
5.5°	3768.5
6°	3608.7
6.5°	3425.6
7°	3246.3
7.5°	3036.3
8°	2848.9
8.5°	2660.3
9°	2486.2
9.5°	2326.3
10°	2177.4
12.5°	1563.5
15°	1085.6
17.5°	709.2
20°	447.1
22.5°	289.7
25°	199.1
27.5°	140.0
30°	100.7
32.5°	72.3
35°	51.3
37.5°	35.8
40°	25.7
42.5°	18.7
45°	14.0
47.5°	10.9
50°	7.4
52.5°	4.7
55°	3.5
57.5°	2.7
60°	1.9
62.5°	1.6
65°	1.2



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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

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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67.5°		0.8
70°		0.4

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(END OF REPORT)