

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: P739917

Luminaire Tested: LD4D05D010-EU4DR200210IC9024-4LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739917  
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: LD4D05D010-EU4DR200210IC9024-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 587.5 lumens  
Efficiency: N/A  
Efficacy: 78.3 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



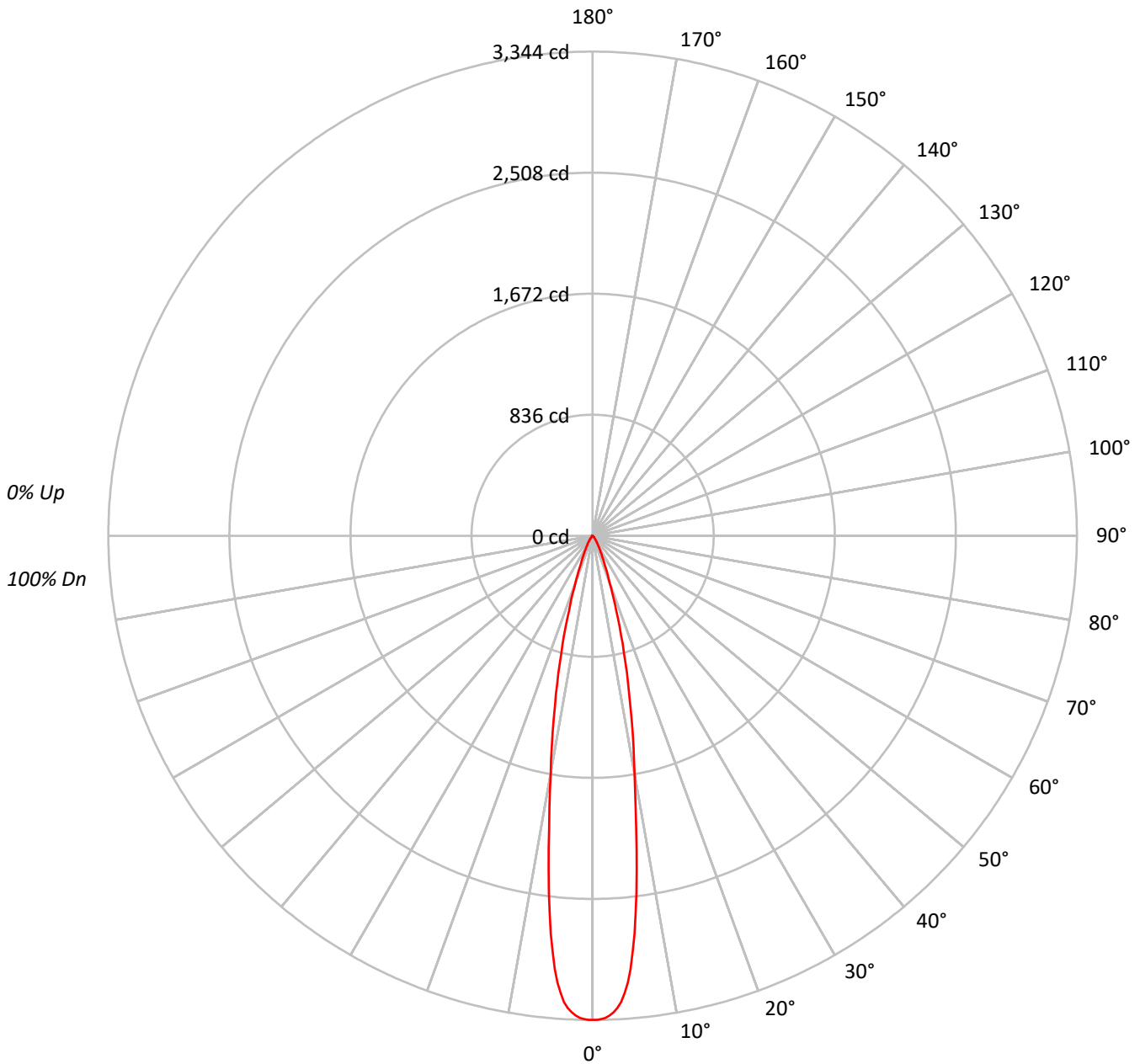
Downlight



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

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

	0°
0°	365313
5°	329583
10°	184981
15°	94033
20°	39812
25°	18373
30°	9727
35°	5242
40°	2810
45°	1653
50°	969
55°	514
60°	328
65°	233
70°	96
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1653 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.1	40.5
10°-20°	234.4	39.9
20°-30°	76.6	13.0
30°-40°	26.1	4.4
40°-50°	8.8	1.5
50°-60°	2.7	0.5
60°-70°	0.9	0.2
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°	549.0	93.5
0°-40°	575.1	97.9
0°-60°	586.5	99.8
0°-90°	587.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3344	
5°	3005	238
15°	831	234
25°	152	77
35°	39	26
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3343.5
0.5°	3343.5
1°	3339.3
1.5°	3331.0
2°	3315.8
2.5°	3295.6
3°	3267.0
3.5°	3227.1
4°	3167.8
4.5°	3095.8
5°	3005.0
5.5°	2885.6
6°	2763.2
6.5°	2623.0
7°	2485.7
7.5°	2325.0
8°	2181.5
8.5°	2037.1
9°	1903.7
9.5°	1781.3
10°	1667.3
12.5°	1197.2
15°	831.3
17.5°	543.1
20°	342.4
22.5°	221.8
25°	152.4
27.5°	107.2
30°	77.1
32.5°	55.4
35°	39.3
37.5°	27.4
40°	19.7
42.5°	14.3
45°	10.7
47.5°	8.3
50°	5.7
52.5°	3.6
55°	2.7
57.5°	2.1
60°	1.5
62.5°	1.2
65°	0.9



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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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Scaled Data Report





— 0°-180°

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Scaled Data Report



67.5°		0.6
70°		0.3

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Scaled Data Report



(END OF REPORT)