

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: P739932

Luminaire Tested: LD4D05D010-EU4DR200210IC9027-4LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739932  
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-EU4DR200210IC9027-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 601.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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

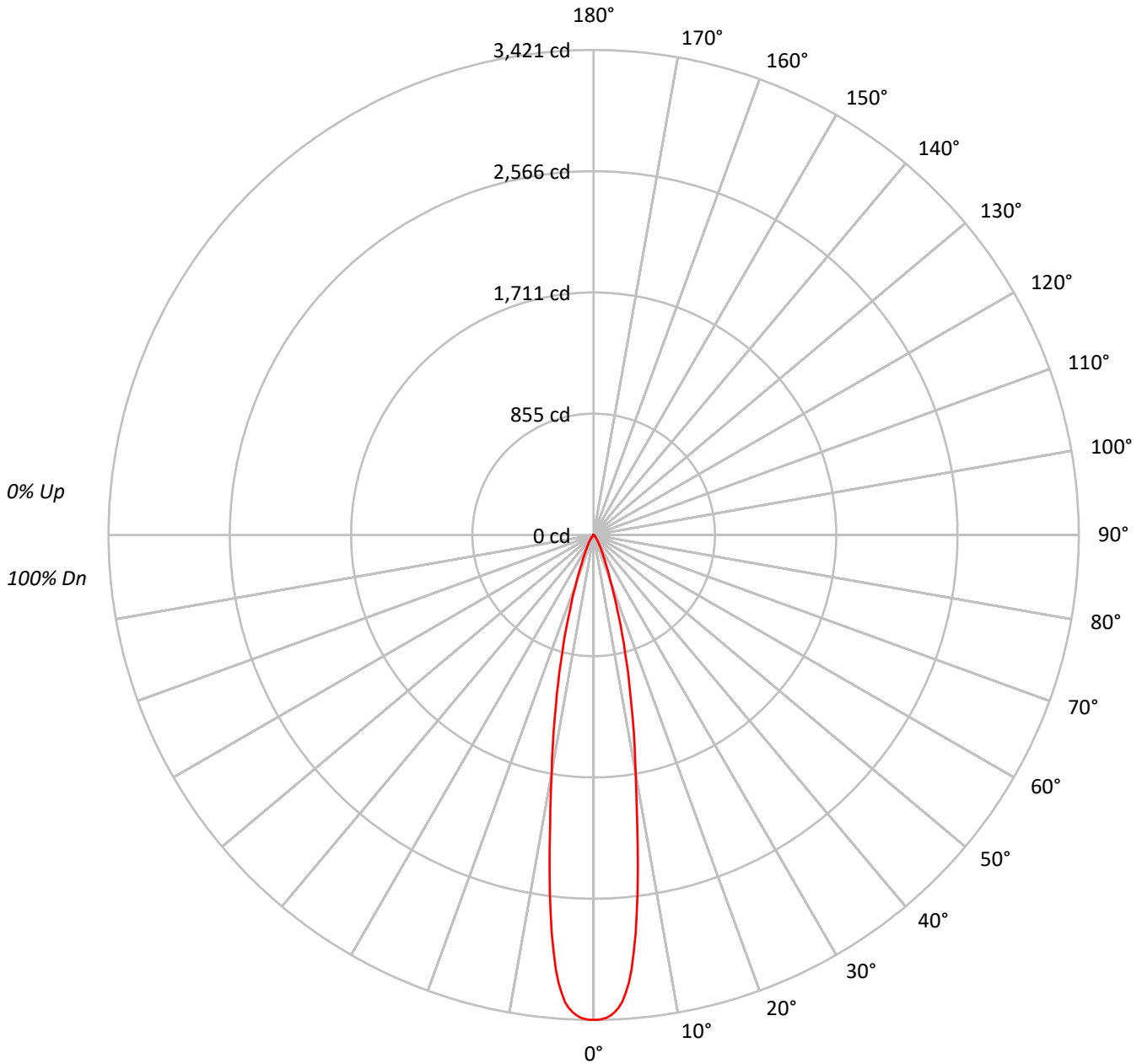


Downlight



TEST NUMBER: P739932  
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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																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	89																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	86																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	84																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	82																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	80																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	78																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	76																

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

	0°
0°	373737
5°	337183
10°	189241
15°	96193
20°	40730
25°	18807
30°	9954
35°	5362
40°	2867
45°	1700
50°	986
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: 1700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.5	40.5
10°-20°	239.8	39.9
20°-30°	78.4	13.0
30°-40°	26.7	4.4
40°-50°	9.0	1.5
50°-60°	2.7	0.4
60°-70°	0.9	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°	561.7	93.5
0°-40°	588.4	97.9
0°-60°	600.0	99.8
0°-90°	601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3421	
5°	3074	244
15°	850	240
25°	156	78
35°	40	27
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°	3420.6
0.5°	3420.6
1°	3416.4
1.5°	3407.8
2°	3392.3
2.5°	3371.6
3°	3342.3
3.5°	3301.5
4°	3240.9
4.5°	3167.2
5°	3074.3
5.5°	2952.1
6°	2827.0
6.5°	2683.5
7°	2543.1
7.5°	2378.6
8°	2231.8
8.5°	2084.0
9°	1947.6
9.5°	1822.4
10°	1705.7
12.5°	1224.8
15°	850.4
17.5°	555.6
20°	350.3
22.5°	226.9
25°	156.0
27.5°	109.7
30°	78.9
32.5°	56.7
35°	40.2
37.5°	28.0
40°	20.1
42.5°	14.6
45°	11.0
47.5°	8.5
50°	5.8
52.5°	3.7
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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— 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)