

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: P745814

Luminaire Tested: LD4D30D010-EU4DR2015309024-4LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745814  
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: LD4D30D010-EU4DR2015309024-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 2599.8 lumens  
Efficiency: N/A  
Efficacy: 89.6 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): 29  
Input Voltage (V): NR  
Input Current (Ain): 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

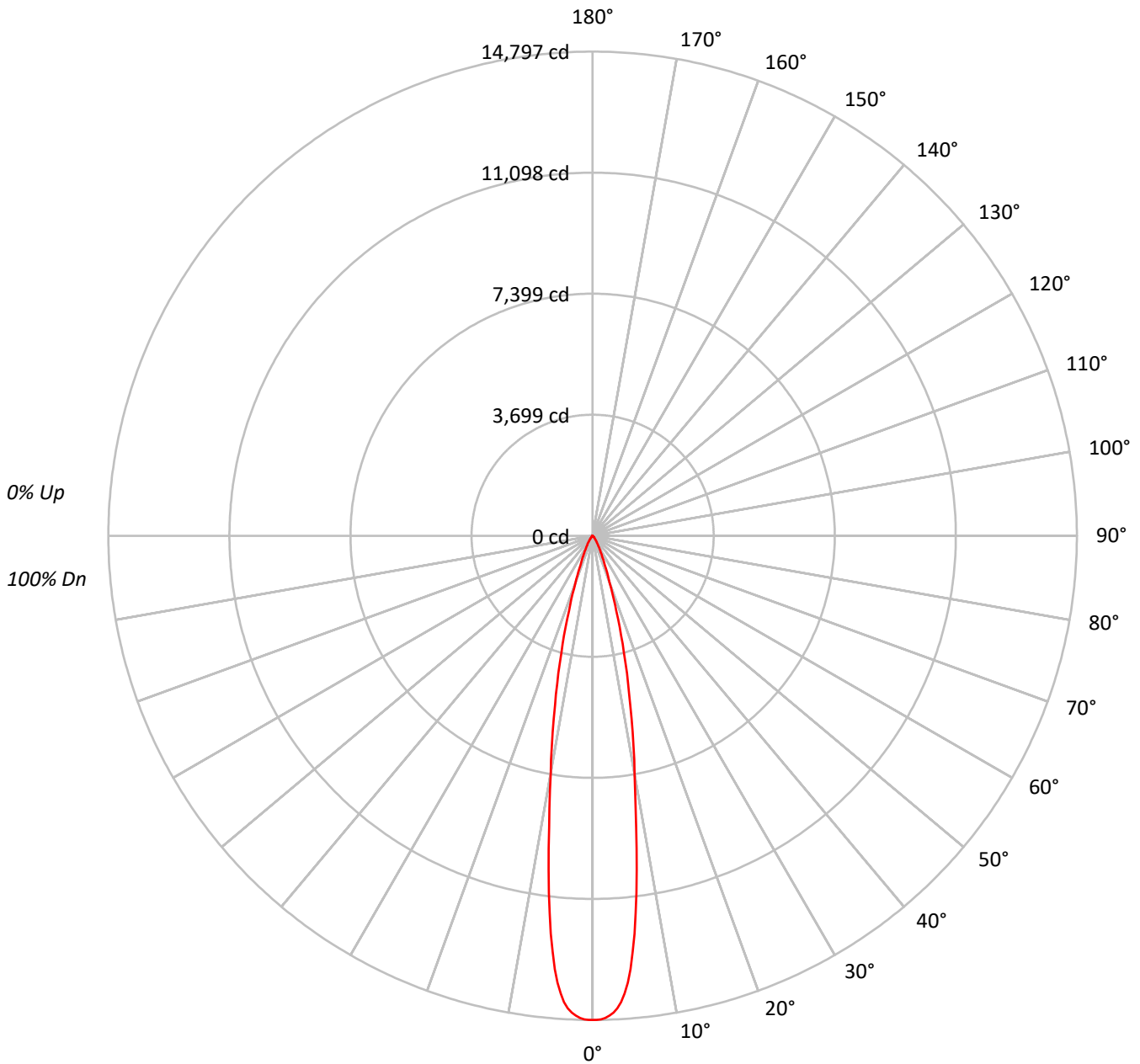


Downlight



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

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

	0°
0°	1616753
5°	1458609
10°	818650
15°	416139
20°	176188
25°	81327
30°	43060
35°	23195
40°	12409
45°	7324
50°	4249
55°	2267
60°	1442
65°	1034
70°	415
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7324 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1053.5	40.5
10°-20°	1037.4	39.9
20°-30°	338.9	13.0
30°-40°	115.4	4.4
40°-50°	38.8	1.5
50°-60°	11.7	0.4
60°-70°	3.9	0.1
70°-80°	0.2	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°	2429.8	93.5
0°-40°	2545.2	97.9
0°-60°	2595.7	99.8
0°-90°	2599.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14797	
5°	13299	###
15°	3679	1037
25°	675	339
35°	174	115
45°	47	39
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14797.2
0.5°	14797.2
1°	14778.8
1.5°	14741.9
2°	14674.7
2.5°	14585.1
3°	14458.6
3.5°	14282.0
4°	14019.8
4.5°	13700.9
5°	13299.0
5.5°	12770.7
6°	12229.1
6.5°	11608.5
7°	11001.1
7.5°	10289.5
8°	9654.4
8.5°	9015.4
9°	8425.0
9.5°	7883.5
10°	7378.8
12.5°	5298.3
15°	3678.9
17.5°	2403.4
20°	1515.3
22.5°	981.6
25°	674.6
27.5°	474.4
30°	341.3
32.5°	245.1
35°	173.9
37.5°	121.2
40°	87.0
42.5°	63.2
45°	47.4
47.5°	36.9
50°	25.0
52.5°	15.8
55°	11.9
57.5°	9.2
60°	6.6
62.5°	5.3
65°	4.0



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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°		2.6
70°		1.3

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Scaled Data Report



(END OF REPORT)