

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: P1317521

Luminaire Tested: LDSQA3D13R459827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

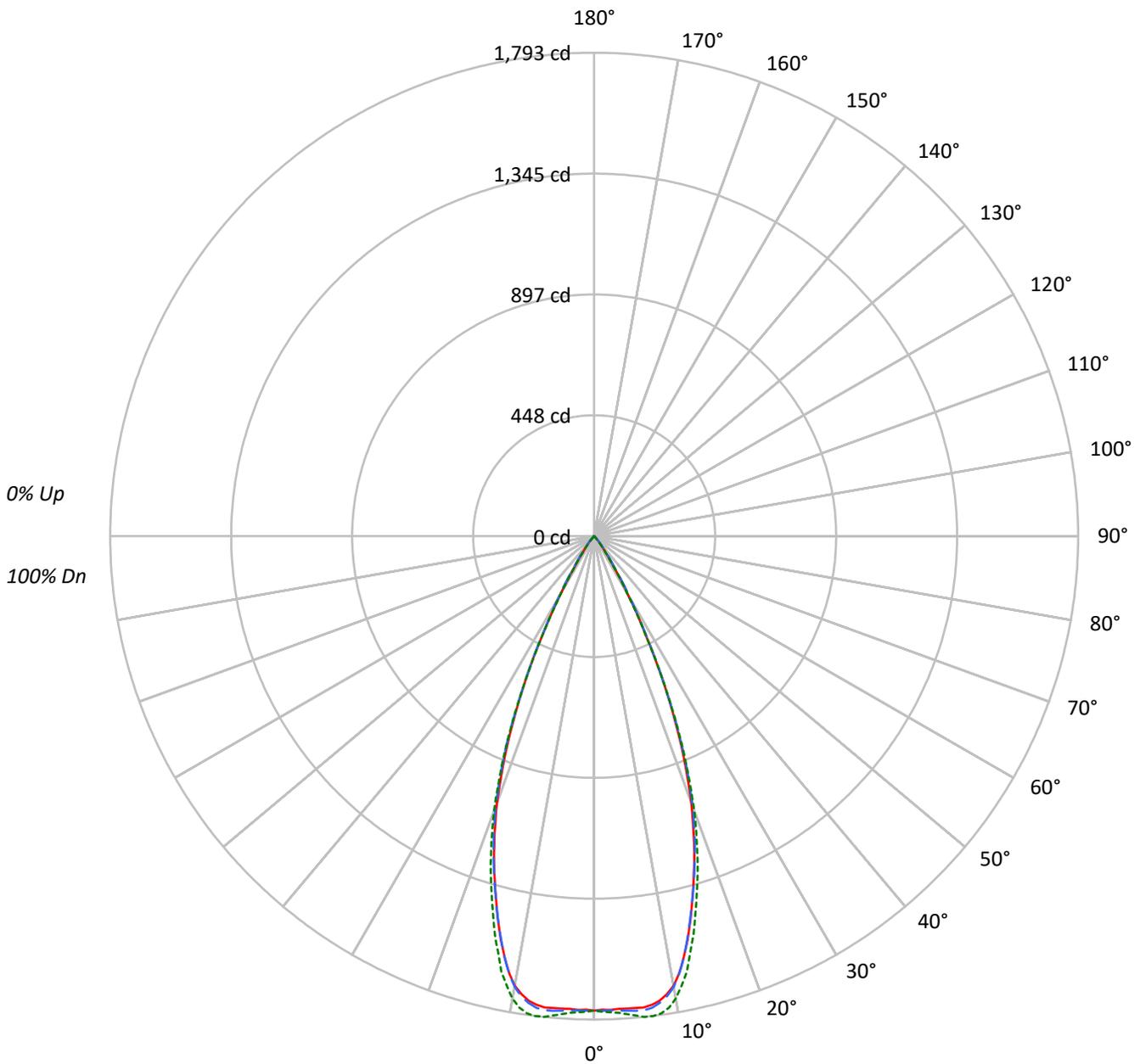
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 910.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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

RF	20				20				20				20				20				
RC	80				70				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	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	303129	303129	303129
5°	303820	305566	308609
10°	296211	296805	304605
15°	249902	250027	258229
20°	192897	195628	198854
25°	119679	119793	120572
30°	49378	52461	48563
35°	15369	18775	14780
40°	4721	6542	4406
45°	341	2460	341
50°	0	375	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.5	18.4
10°-20°	389.5	42.8
20°-30°	285.7	31.4
30°-40°	61.4	6.7
40°-50°	5.9	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
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°	842.7	92.6
0°-40°	904.1	99.4
0°-60°	910.0	100.0
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1757	1762	1768	1780	1785	166
15°	1402	1399	1402	1425	1448	386
25°	630	628	630	630	634	282
35°	73	78	89	76	70	58
45°	1	4	10	4	1	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1760.1	1760.1	1760.1	1760.1	1760.1
1°	1756.7	1760.8	1760.8	1763.5	1764.8
2°	1758.1	1760.8	1760.1	1764.8	1766.9
3°	1756.0	1760.8	1762.1	1767.5	1770.9
4°	1756.7	1760.8	1764.8	1773.0	1777.7
5°	1757.4	1762.1	1767.5	1779.7	1785.1
6°	1758.1	1761.5	1767.5	1783.1	1793.2
7°	1751.3	1756.0	1762.8	1782.4	1793.2
8°	1740.5	1743.2	1748.6	1774.3	1787.2
9°	1720.2	1719.5	1727.6	1756.0	1770.9
10°	1693.8	1685.7	1697.2	1725.6	1741.8
11°	1651.2	1642.4	1652.5	1683.0	1698.5
12°	1595.7	1595.7	1597.8	1624.8	1651.9
13°	1536.9	1530.1	1534.2	1564.6	1583.5
14°	1471.9	1465.2	1469.2	1492.2	1522.0
15°	1401.6	1398.9	1402.3	1424.6	1448.3
17.5°	1234.5	1228.4	1240.6	1262.9	1275.1
20°	1052.5	1062.7	1067.4	1081.6	1085.0
22.5°	843.5	854.3	861.1	863.1	865.2
25°	629.8	627.7	630.4	630.4	634.5
27.5°	414.0	414.0	421.4	416.7	412.0
30°	248.3	258.4	263.8	255.0	244.2
32.5°	135.3	145.4	154.2	141.4	131.9
35°	73.1	78.5	89.3	76.4	70.3
37.5°	39.9	44.6	51.4	43.3	39.9
40°	21.0	25.7	29.1	25.7	19.6
42.5°	6.8	12.9	16.9	12.9	6.1
45°	1.4	4.1	10.1	4.1	1.4
47.5°	0.0	0.7	4.7	0.7	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)