

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: P1309119

Luminaire Tested: LDSQA3D09R459030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309119  
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: LDSQA3D09R459030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

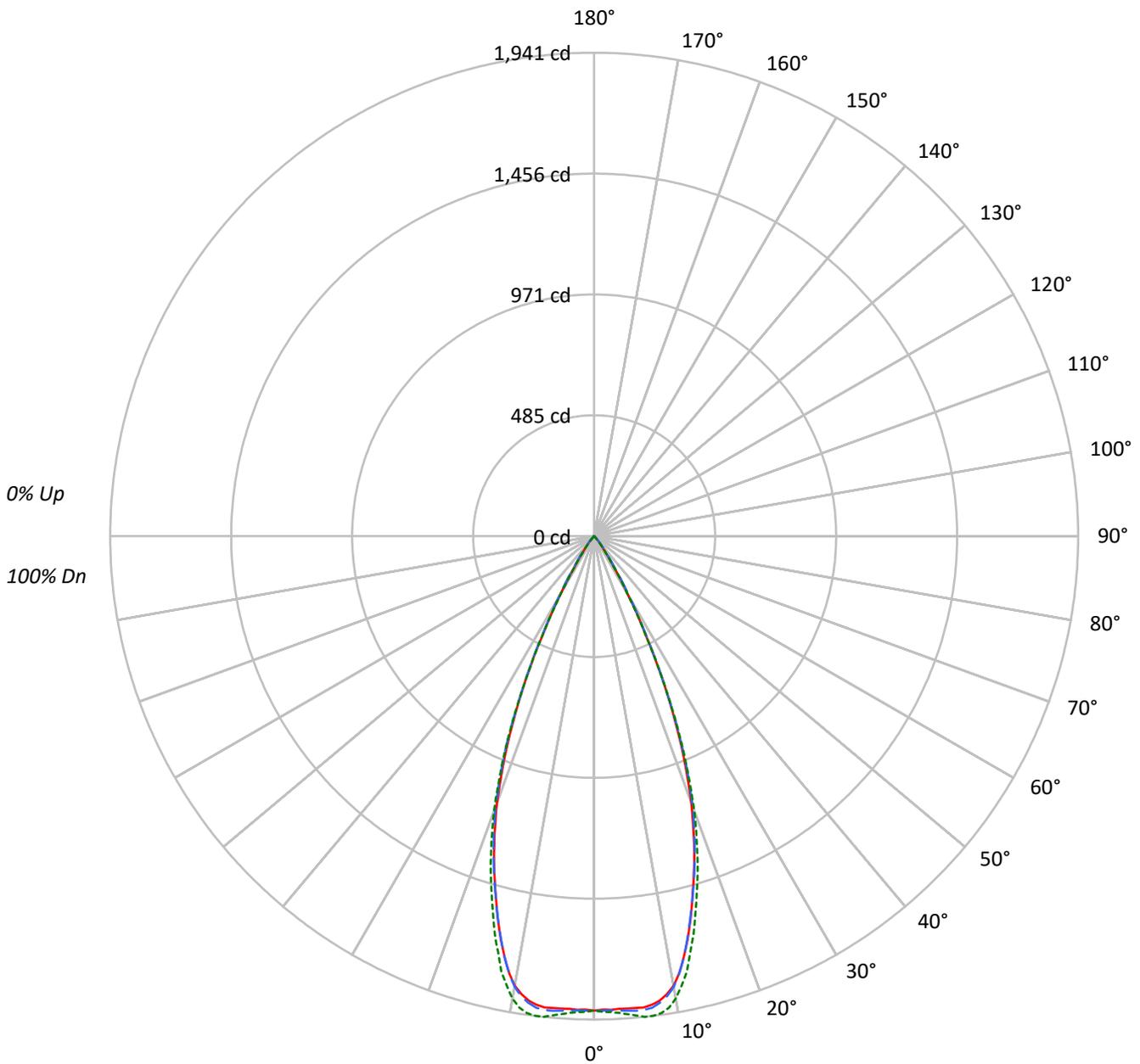
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 985.0 lumens  
Efficiency: N/A  
Efficacy: 88.7 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): 11.1  
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°	328119	328119	328119
5°	328853	330755	334057
10°	320624	321271	329718
15°	270496	270621	279500
20°	208806	211757	215239
25°	129541	129674	130510
30°	53435	56796	52560
35°	16630	20310	16000
40°	5103	7082	4766
45°	365	2679	365
50°	0	402	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: 2679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.3	18.4
10°-20°	421.6	42.8
20°-30°	309.3	31.4
30°-40°	66.5	6.7
40°-50°	6.3	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°	912.2	92.6
0°-40°	978.6	99.4
0°-60°	985.0	100.0
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1905	1905	1905	1905	1905	
5°	1902	1907	1913	1926	1932	180
15°	1517	1514	1518	1542	1568	418
25°	682	680	682	682	687	306
35°	79	85	97	83	76	62
45°	2	4	11	4	2	4
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°	1905.2	1905.2	1905.2	1905.2	1905.2
1°	1901.5	1905.9	1905.9	1908.8	1910.3
2°	1903.0	1905.9	1905.2	1910.3	1912.5
3°	1900.8	1905.9	1907.4	1913.2	1916.9
4°	1901.5	1905.9	1910.3	1919.1	1924.2
5°	1902.2	1907.4	1913.2	1926.4	1932.3
6°	1903.0	1906.6	1913.2	1930.1	1941.0
7°	1895.6	1900.8	1908.1	1929.3	1941.0
8°	1883.9	1886.9	1892.7	1920.5	1934.4
9°	1862.0	1861.2	1870.0	1900.8	1916.9
10°	1833.4	1824.6	1837.1	1867.8	1885.4
11°	1787.3	1777.8	1788.7	1821.7	1838.5
12°	1727.2	1727.2	1729.4	1758.7	1788.0
13°	1663.5	1656.2	1660.6	1693.6	1714.1
14°	1593.2	1585.9	1590.3	1615.2	1647.4
15°	1517.1	1514.2	1517.8	1542.0	1567.6
17.5°	1336.2	1329.7	1342.8	1367.0	1380.2
20°	1139.3	1150.3	1155.4	1170.8	1174.4
22.5°	913.0	924.8	932.1	934.3	936.5
25°	681.7	679.5	682.4	682.4	686.8
27.5°	448.1	448.1	456.2	451.0	445.9
30°	268.7	279.7	285.6	276.0	264.3
32.5°	146.4	157.4	166.9	153.0	142.8
35°	79.1	84.9	96.6	82.7	76.1
37.5°	43.2	48.3	55.6	46.9	43.2
40°	22.7	27.8	31.5	27.8	21.2
42.5°	7.3	13.9	18.3	13.9	6.6
45°	1.5	4.4	11.0	4.4	1.5
47.5°	0.0	0.7	5.1	0.7	0.0
50°	0.0	0.0	1.5	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)