

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: P1310748

Luminaire Tested: LDSQA3D20R709035D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

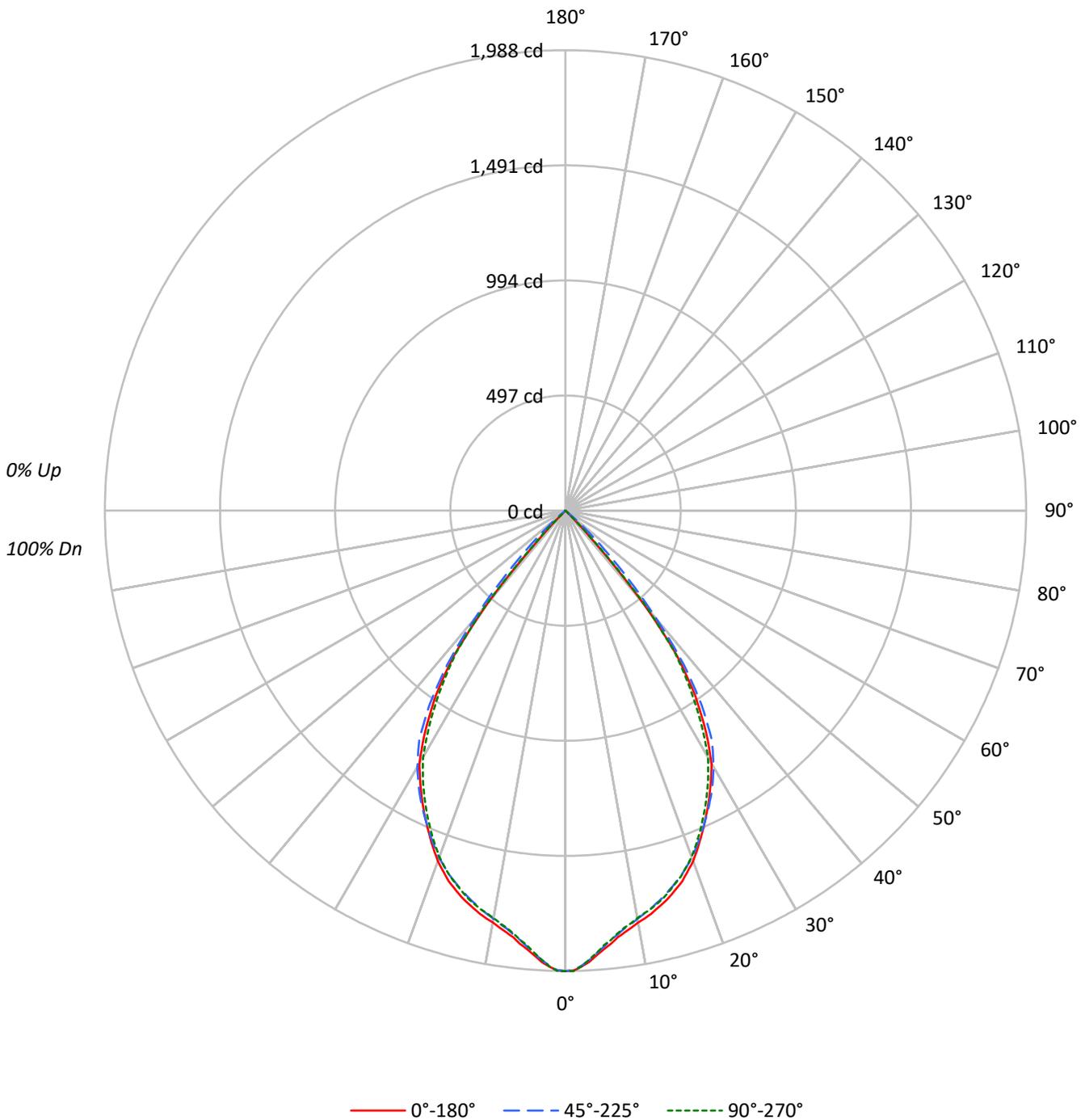
Test Method: LM-79-2019  
Report Number: P1310748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709035D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2057.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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





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

RF	20				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	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

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

	0°	45°	90°
0°	342430	342430	342430
5°	328698	326900	325983
10°	315762	313034	312422
15°	308295	303945	304569
20°	295220	292343	291720
25°	274037	274684	270389
30°	250809	254250	244565
35°	205178	215039	197126
40°	118098	137658	121246
45°	1705	57188	5943
50°	0	6055	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: 57188 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.4	8.6
10°-20°	480.7	23.4
20°-30°	660.3	32.1
30°-40°	598.7	29.1
40°-50°	139.1	6.8
50°-60°	0.7	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°	1318.4	64.1
0°-40°	1917.1	93.2
0°-60°	2057.0	100.0
0°-90°	2057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1988	1988	1988	1988	1988	
5°	1901	1896	1891	1887	1886	178
15°	1729	1717	1705	1705	1708	485
25°	1442	1449	1446	1432	1423	662
35°	976	990	1023	979	938	586
45°	7	78	235	101	24	84
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°	1988.3	1988.3	1988.3	1988.3	1988.3
1°	1986.5	1983.0	1984.8	1986.5	1988.3
2°	1970.9	1967.4	1967.4	1969.1	1969.1
3°	1951.7	1944.8	1944.8	1943.0	1943.0
4°	1925.6	1920.4	1916.9	1915.2	1915.2
5°	1901.3	1896.1	1890.9	1887.4	1885.6
6°	1880.4	1871.7	1864.8	1863.0	1864.8
7°	1856.1	1850.8	1843.9	1838.7	1840.4
8°	1838.7	1831.7	1823.0	1819.5	1819.5
9°	1823.0	1816.1	1807.4	1800.4	1803.9
10°	1805.6	1798.7	1790.0	1784.7	1786.5
11°	1793.4	1784.7	1774.3	1770.8	1772.6
12°	1779.5	1769.1	1758.7	1756.9	1760.4
13°	1762.1	1751.7	1741.3	1741.3	1744.7
14°	1746.5	1734.3	1723.9	1723.9	1729.1
15°	1729.1	1716.9	1704.7	1704.7	1708.2
17.5°	1676.9	1666.5	1654.3	1654.3	1656.0
20°	1610.8	1605.6	1595.1	1589.9	1591.7
22.5°	1527.3	1527.3	1522.1	1513.4	1509.9
25°	1442.1	1449.0	1445.5	1431.6	1422.9
27.5°	1353.3	1365.5	1367.3	1346.4	1330.7
30°	1261.2	1271.6	1278.5	1254.2	1229.8
32.5°	1125.5	1156.8	1174.2	1141.1	1090.7
35°	975.9	989.8	1022.8	979.3	937.6
37.5°	793.2	810.6	838.4	803.7	779.3
40°	525.3	594.9	612.3	594.9	539.3
42.5°	189.6	334.0	401.8	340.9	222.7
45°	7.0	78.3	234.8	100.9	24.4
47.5°	0.0	1.7	106.1	3.5	0.0
50°	0.0	0.0	22.6	0.0	0.0
52.5°	0.0	0.0	1.7	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)