

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: P1308513

Luminaire Tested: LDSQA3D20R709027D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

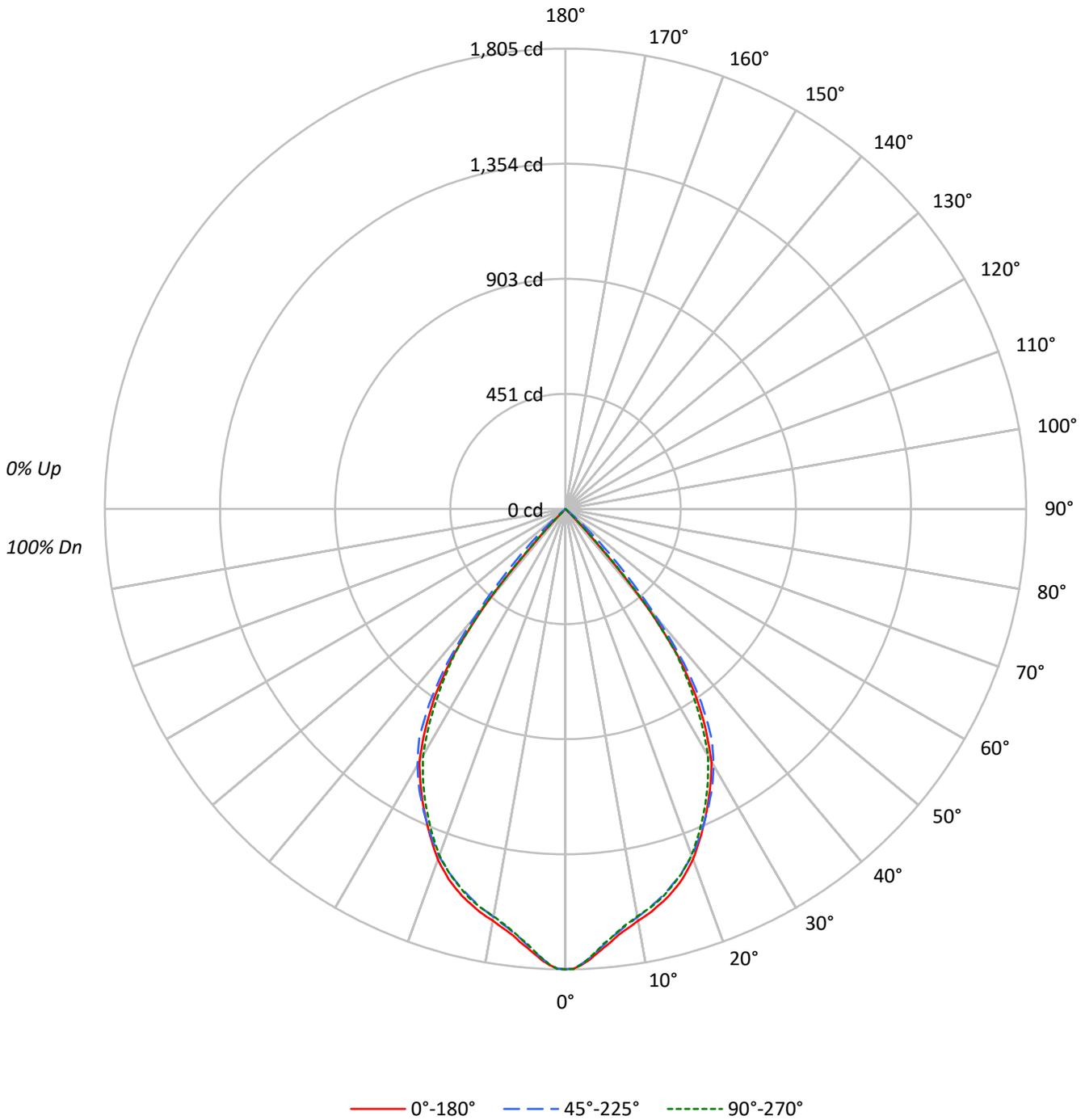
Test Method: LM-79-2019  
Report Number: P1308513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709027D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1867.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 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				
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

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

	0°	45°	90°
0°	310793	310793	310793
5°	298340	296698	295885
10°	286592	284109	283567
15°	279821	275880	276433
20°	267949	265346	264760
25°	248726	249315	245419
30°	227641	230764	221974
35°	186214	195191	178919
40°	107195	124955	110027
45°	1534	51903	5383
50°	0	5493	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: 51903 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.0	8.6
10°-20°	436.3	23.4
20°-30°	599.3	32.1
30°-40°	543.4	29.1
40°-50°	126.3	6.8
50°-60°	0.6	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°	1196.6	64.1
0°-40°	1740.1	93.2
0°-60°	1867.0	100.0
0°-90°	1867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1805	1805	1805	1805	1805	
5°	1726	1721	1716	1713	1712	162
15°	1569	1558	1547	1547	1550	440
25°	1309	1315	1312	1299	1292	601
35°	886	898	928	889	851	532
45°	6	71	213	92	22	76
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°	1804.6	1804.6	1804.6	1804.6	1804.6
1°	1803.0	1799.9	1801.5	1803.0	1804.6
2°	1788.8	1785.7	1785.7	1787.2	1787.2
3°	1771.5	1765.1	1765.1	1763.6	1763.6
4°	1747.8	1743.0	1739.9	1738.3	1738.3
5°	1725.7	1720.9	1716.2	1713.0	1711.5
6°	1706.7	1698.8	1692.5	1690.9	1692.5
7°	1684.6	1679.9	1673.6	1668.8	1670.4
8°	1668.8	1662.5	1654.6	1651.5	1651.5
9°	1654.6	1648.3	1640.4	1634.1	1637.3
10°	1638.8	1632.5	1624.6	1619.9	1621.5
11°	1627.8	1619.9	1610.4	1607.3	1608.8
12°	1615.2	1605.7	1596.2	1594.6	1597.8
13°	1599.4	1589.9	1580.4	1580.4	1583.6
14°	1585.2	1574.1	1564.6	1564.6	1569.4
15°	1569.4	1558.3	1547.3	1547.3	1550.4
17.5°	1522.0	1512.5	1501.5	1501.5	1503.1
20°	1462.0	1457.3	1447.8	1443.1	1444.6
22.5°	1386.2	1386.2	1381.5	1373.6	1370.4
25°	1308.9	1315.2	1312.0	1299.4	1291.5
27.5°	1228.3	1239.4	1241.0	1222.0	1207.8
30°	1144.7	1154.1	1160.4	1138.3	1116.2
32.5°	1021.5	1049.9	1065.7	1035.7	989.9
35°	885.7	898.4	928.4	888.9	851.0
37.5°	720.0	735.7	761.0	729.4	707.3
40°	476.8	540.0	555.8	540.0	489.4
42.5°	172.1	303.1	364.7	309.5	202.1
45°	6.3	71.0	213.1	91.6	22.1
47.5°	0.0	1.6	96.3	3.2	0.0
50°	0.0	0.0	20.5	0.0	0.0
52.5°	0.0	0.0	1.6	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)