

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: P1307540

Luminaire Tested: LDSQA3D20R709024D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

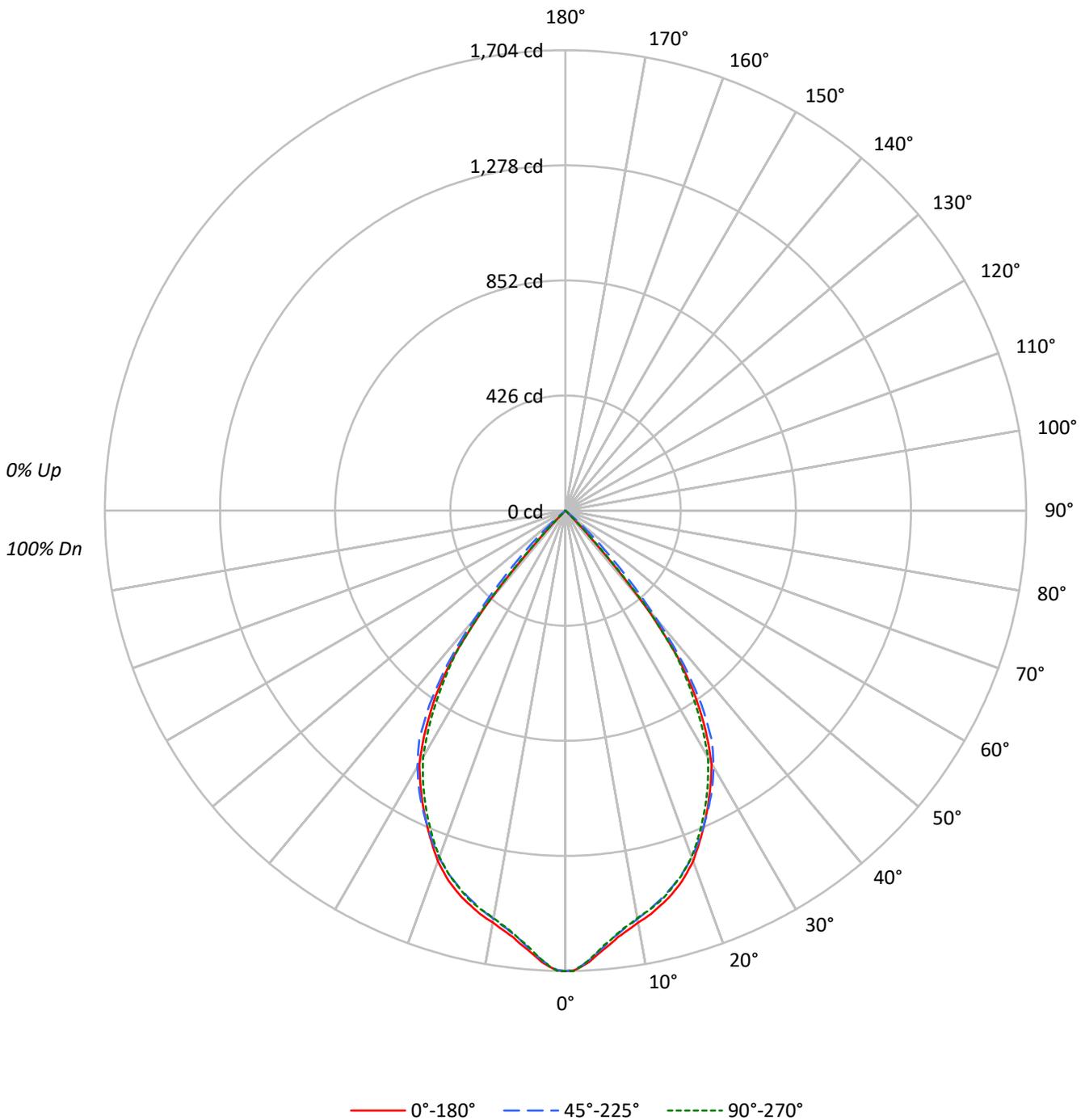
Test Method: LM-79-2019  
Report Number: P1307540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709024D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1763.0 lumens  
Efficiency: N/A  
Efficacy: 61.2 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°	293485	293485	293485
5°	281709	280170	279392
10°	270626	268283	267758
15°	264220	260511	261046
20°	253030	250556	250024
25°	234873	235424	231757
30°	214954	217917	209624
35°	175849	184301	168953
40°	101214	117986	103912
45°	1461	49029	5090
50°	0	5198	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: 49029 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.0	8.6
10°-20°	412.0	23.4
20°-30°	566.0	32.1
30°-40°	513.2	29.1
40°-50°	119.3	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°	1130.0	64.1
0°-40°	1643.1	93.2
0°-60°	1763.0	100.0
0°-90°	1763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1763.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1704	1704	1704	1704	1704	
5°	1630	1625	1621	1618	1616	153
15°	1482	1472	1461	1461	1464	416
25°	1236	1242	1239	1227	1220	567
35°	836	848	877	839	804	502
45°	6	67	201	86	21	72
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°	1704.1	1704.1	1704.1	1704.1	1704.1
1°	1702.6	1699.6	1701.1	1702.6	1704.1
2°	1689.2	1686.2	1686.2	1687.7	1687.7
3°	1672.8	1666.8	1666.8	1665.3	1665.3
4°	1650.4	1645.9	1643.0	1641.5	1641.5
5°	1629.5	1625.1	1620.6	1617.6	1616.1
6°	1611.7	1604.2	1598.2	1596.7	1598.2
7°	1590.8	1586.3	1580.3	1575.9	1577.4
8°	1575.9	1569.9	1562.5	1559.5	1559.5
9°	1562.5	1556.5	1549.0	1543.1	1546.1
10°	1547.5	1541.6	1534.1	1529.7	1531.1
11°	1537.1	1529.7	1520.7	1517.7	1519.2
12°	1525.2	1516.2	1507.3	1505.8	1508.8
13°	1510.3	1501.3	1492.4	1492.4	1495.4
14°	1496.9	1486.4	1477.5	1477.5	1481.9
15°	1481.9	1471.5	1461.1	1461.1	1464.1
17.5°	1437.2	1428.3	1417.8	1417.8	1419.3
20°	1380.6	1376.1	1367.1	1362.7	1364.2
22.5°	1309.0	1309.0	1304.5	1297.1	1294.1
25°	1236.0	1241.9	1238.9	1227.0	1219.6
27.5°	1159.9	1170.4	1171.8	1154.0	1140.5
30°	1080.9	1089.8	1095.8	1074.9	1054.1
32.5°	964.6	991.4	1006.4	978.0	934.8
35°	836.4	848.3	876.6	839.4	803.6
37.5°	679.8	694.8	718.6	688.8	667.9
40°	450.2	509.9	524.8	509.9	462.2
42.5°	162.5	286.3	344.4	292.2	190.8
45°	6.0	67.1	201.3	86.5	20.9
47.5°	0.0	1.5	90.9	3.0	0.0
50°	0.0	0.0	19.4	0.0	0.0
52.5°	0.0	0.0	1.5	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)