

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: P1320481

Luminaire Tested: LDSQA3D20R709840D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

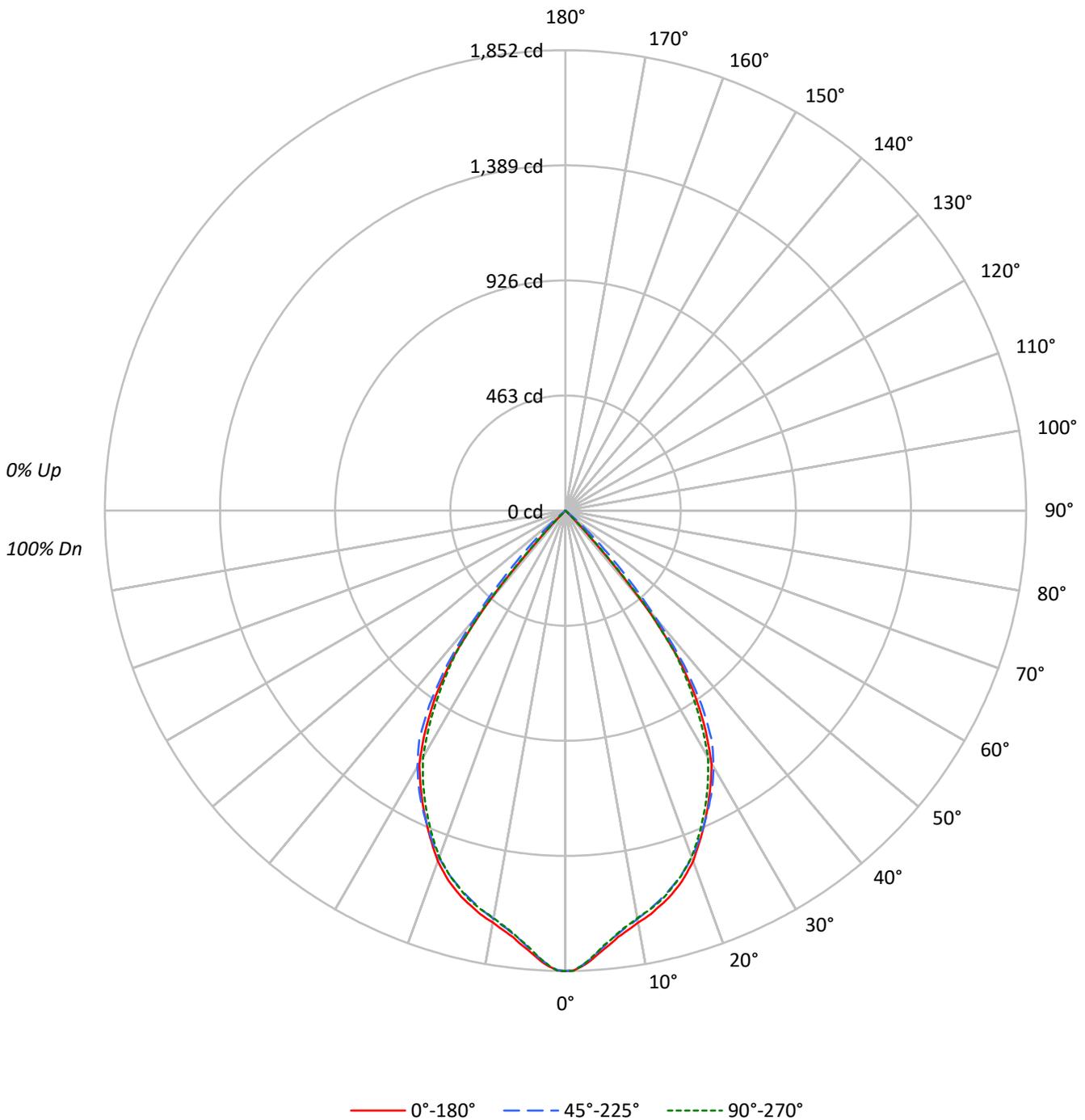
Test Method: LM-79-2019  
Report Number: P1320481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709840D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1916.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 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): 27.4  
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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

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

	0°	45°	90°
0°	318956	318956	318956
5°	306171	304477	303647
10°	294130	291577	290999
15°	287167	283119	283690
20°	274987	272311	271724
25°	255244	255871	251861
30°	233607	236829	227801
35°	191113	200300	183607
40°	110005	128215	112927
45°	1583	53266	5529
50°	0	5653	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: 53266 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.2	8.6
10°-20°	447.7	23.4
20°-30°	615.1	32.1
30°-40°	557.7	29.1
40°-50°	129.6	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°	1228.0	64.1
0°-40°	1785.7	93.2
0°-60°	1916.0	100.0
0°-90°	1916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1852	1852	1852	1852	1852	
5°	1771	1766	1761	1758	1756	166
15°	1611	1599	1588	1588	1591	452
25°	1343	1350	1346	1334	1325	616
35°	909	922	953	912	873	546
45°	6	73	219	94	23	78
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°	1852.0	1852.0	1852.0	1852.0	1852.0
1°	1850.4	1847.1	1848.7	1850.4	1852.0
2°	1835.8	1832.5	1832.5	1834.2	1834.2
3°	1818.0	1811.5	1811.5	1809.9	1809.9
4°	1793.6	1788.8	1785.5	1783.9	1783.9
5°	1771.0	1766.1	1761.2	1758.0	1756.4
6°	1751.5	1743.4	1736.9	1735.3	1736.9
7°	1728.8	1724.0	1717.5	1712.6	1714.3
8°	1712.6	1706.2	1698.1	1694.8	1694.8
9°	1698.1	1691.6	1683.5	1677.0	1680.2
10°	1681.9	1675.4	1667.3	1662.4	1664.0
11°	1670.5	1662.4	1652.7	1649.4	1651.1
12°	1657.5	1647.8	1638.1	1636.5	1639.7
13°	1641.3	1631.6	1621.9	1621.9	1625.1
14°	1626.8	1615.4	1605.7	1605.7	1610.6
15°	1610.6	1599.2	1587.9	1587.9	1591.1
17.5°	1561.9	1552.2	1540.9	1540.9	1542.5
20°	1500.4	1495.5	1485.8	1480.9	1482.6
22.5°	1422.6	1422.6	1417.7	1409.6	1406.4
25°	1343.2	1349.7	1346.5	1333.5	1325.4
27.5°	1260.6	1271.9	1273.5	1254.1	1239.5
30°	1174.7	1184.4	1190.9	1168.2	1145.5
32.5°	1048.3	1077.5	1093.7	1062.9	1015.9
35°	909.0	921.9	952.7	912.2	873.3
37.5°	738.8	755.1	781.0	748.6	725.9
40°	489.3	554.1	570.3	554.1	502.3
42.5°	176.6	311.1	374.3	317.6	207.4
45°	6.5	72.9	218.7	94.0	22.7
47.5°	0.0	1.6	98.8	3.2	0.0
50°	0.0	0.0	21.1	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)