

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: P1311364

Luminaire Tested: LDSQA3D09R509040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R509040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

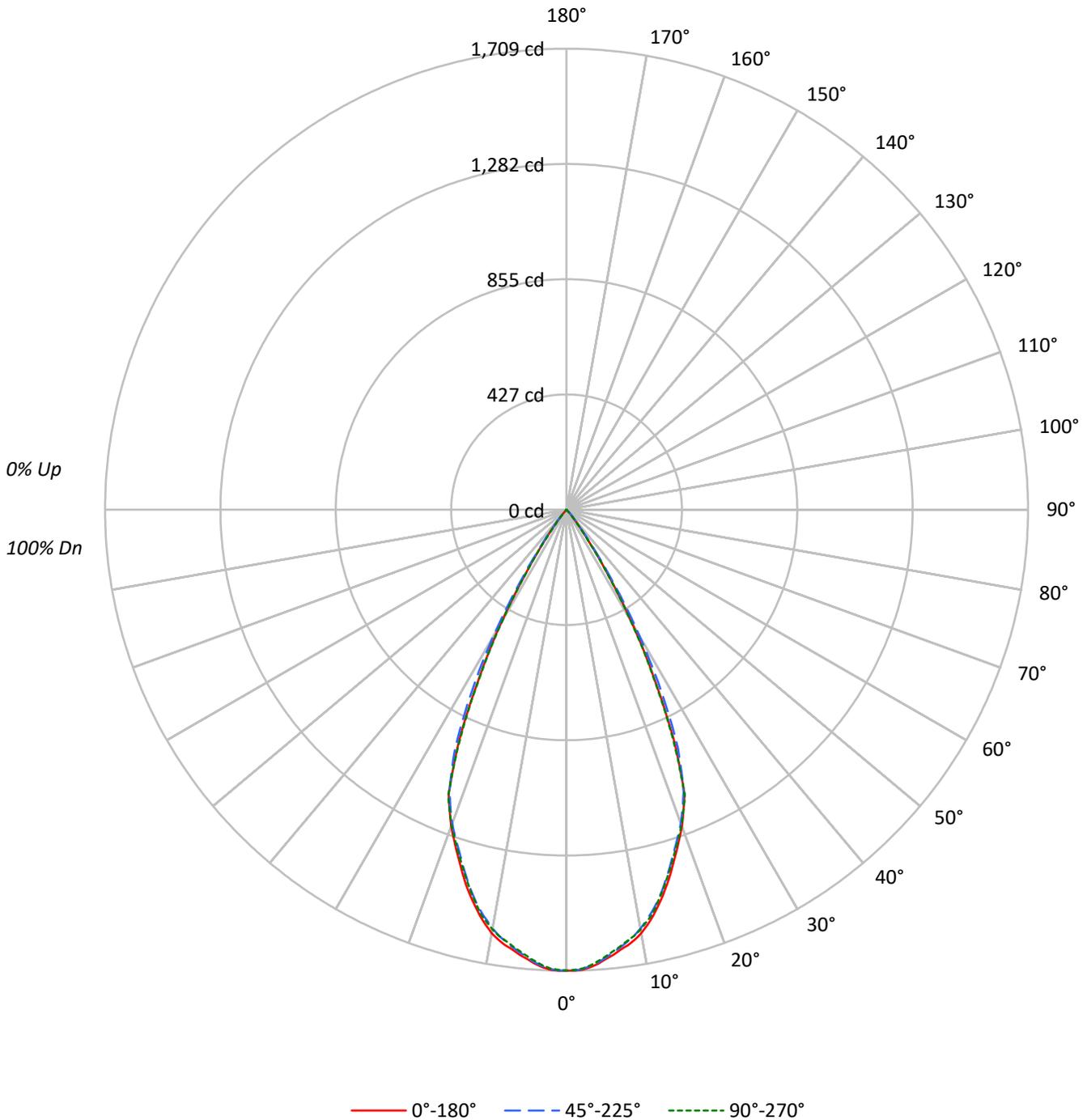
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1100.0 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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 (A<sub>in</sub>): 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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	294191	294191	294191
5°	289056	288244	287431
10°	278775	275750	276310
15°	256446	253219	253932
20°	229003	226840	228141
25°	178226	185694	176288
30°	96549	107805	94819
35°	30443	36225	29771
40°	6722	9375	6362
45°	195	2874	195
50°	0	429	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: 2874 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.5	14.2
10°-20°	397.6	36.1
20°-30°	418.8	38.1
30°-40°	119.6	10.9
40°-50°	7.4	0.7
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°	972.9	88.4
0°-40°	1092.5	99.3
0°-60°	1100.0	100.0
0°-90°	1100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1672	1670	1667	1666	1663	157
15°	1438	1429	1420	1423	1424	401
25°	938	972	977	966	928	410
35°	145	155	172	146	142	113
45°	1	4	12	4	1	5
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°	1708.2	1708.2	1708.2	1708.2	1708.2
1°	1709.0	1709.8	1708.2	1709.8	1705.8
2°	1706.6	1705.1	1703.5	1704.3	1701.9
3°	1698.0	1697.2	1694.0	1694.8	1691.7
4°	1687.0	1684.6	1682.2	1680.7	1677.5
5°	1672.0	1670.4	1667.3	1665.7	1662.6
6°	1659.4	1656.3	1650.8	1649.2	1646.0
7°	1642.9	1641.3	1634.2	1632.7	1631.1
8°	1630.3	1625.6	1616.9	1617.7	1613.8
9°	1613.8	1607.5	1598.8	1598.8	1599.6
10°	1594.1	1584.7	1576.8	1579.2	1580.0
11°	1568.1	1561.9	1550.1	1555.6	1555.6
12°	1539.8	1532.0	1523.3	1528.0	1531.2
13°	1506.8	1500.5	1492.6	1497.3	1495.8
14°	1474.5	1462.7	1457.2	1463.5	1461.1
15°	1438.3	1428.9	1420.2	1422.6	1424.2
17.5°	1341.5	1331.3	1325.0	1325.8	1332.9
20°	1249.5	1245.5	1237.7	1240.8	1244.8
22.5°	1140.9	1142.5	1133.0	1135.4	1144.8
25°	937.9	972.5	977.2	966.2	927.7
27.5°	694.8	746.7	762.4	737.3	690.0
30°	485.5	499.6	542.1	494.1	476.8
32.5°	284.8	306.1	328.9	295.8	284.0
35°	144.8	155.0	172.3	146.4	141.6
37.5°	66.9	71.6	78.7	66.9	62.9
40°	29.9	35.4	41.7	33.8	28.3
42.5°	9.4	16.5	22.0	14.9	8.7
45°	0.8	3.9	11.8	3.9	0.8
47.5°	0.0	0.8	4.7	0.8	0.0
50°	0.0	0.0	1.6	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)