

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: P1309129

Luminaire Tested: LDSQA3D09R509030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309129  
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: LDSQA3D09R509030DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

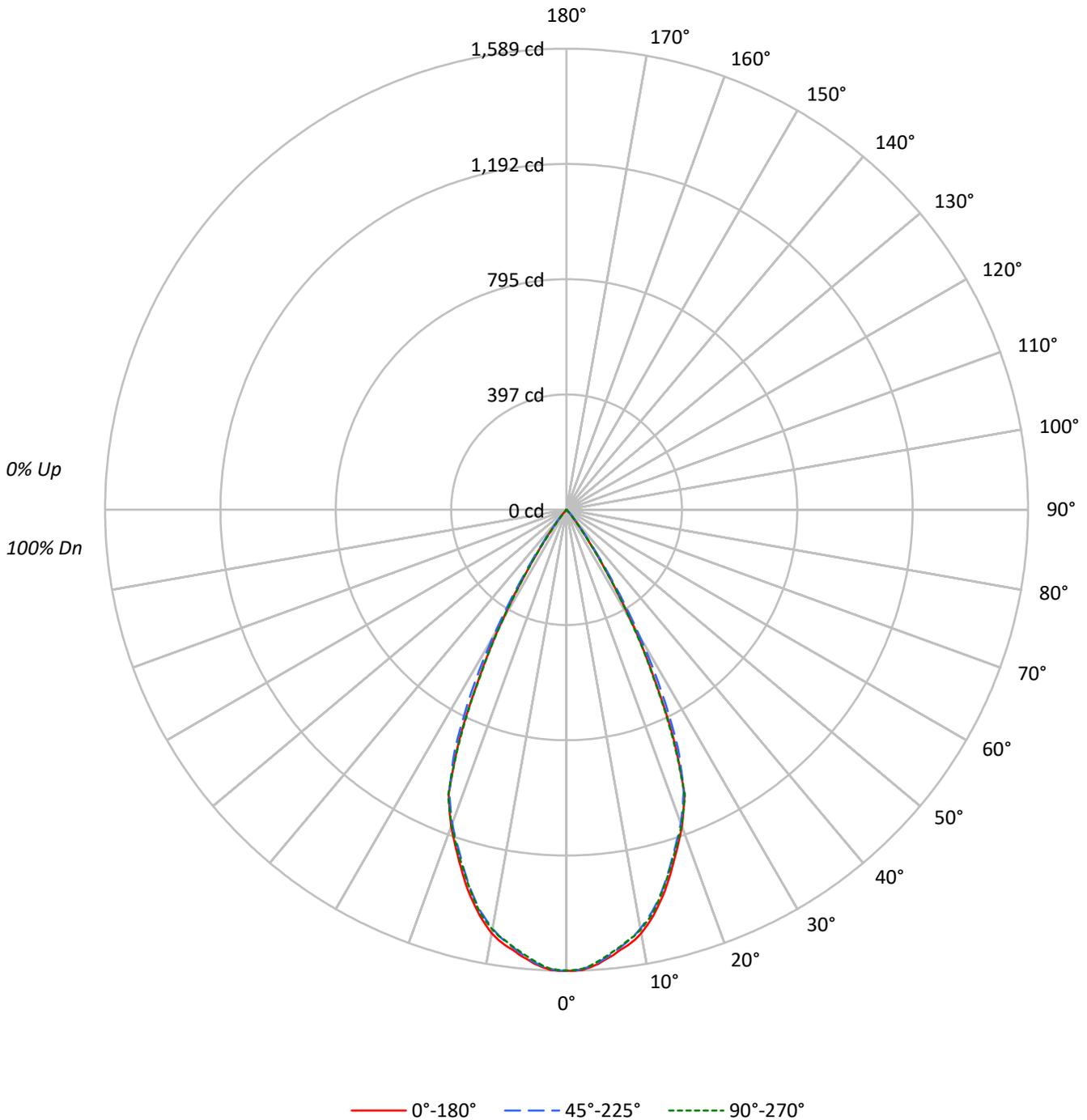
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1023.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 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 (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	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°	273593	273593	273593
5°	268829	268069	267308
10°	259259	256443	256968
15°	238491	235496	236156
20°	212966	210950	212160
25°	165741	172696	163936
30°	89788	100268	88177
35°	28299	33702	27689
40°	6250	8723	5913
45°	170	2679	170
50°	0	402	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: 2679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.5	14.2
10°-20°	369.8	36.1
20°-30°	389.5	38.1
30°-40°	111.2	10.9
40°-50°	6.9	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°	904.8	88.4
0°-40°	1016.1	99.3
0°-60°	1023.0	100.0
0°-90°	1023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1555	1554	1551	1549	1546	146
15°	1338	1329	1321	1323	1324	373
25°	872	904	909	899	863	382
35°	135	144	160	136	132	105
45°	1	4	11	4	1	4
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°	1588.6	1588.6	1588.6	1588.6	1588.6
1°	1589.4	1590.1	1588.6	1590.1	1586.4
2°	1587.2	1585.7	1584.2	1585.0	1582.8
3°	1579.1	1578.4	1575.5	1576.2	1573.3
4°	1568.9	1566.7	1564.5	1563.0	1560.1
5°	1555.0	1553.5	1550.6	1549.1	1546.2
6°	1543.3	1540.3	1535.2	1533.7	1530.8
7°	1527.9	1526.4	1519.8	1518.4	1516.9
8°	1516.2	1511.8	1503.7	1504.5	1500.8
9°	1500.8	1495.0	1486.9	1486.9	1487.6
10°	1482.5	1473.7	1466.4	1468.6	1469.4
11°	1458.4	1452.5	1441.5	1446.7	1446.7
12°	1432.0	1424.7	1416.7	1421.1	1424.0
13°	1401.3	1395.4	1388.1	1392.5	1391.1
14°	1371.3	1360.3	1355.2	1361.1	1358.9
15°	1337.6	1328.9	1320.8	1323.0	1324.5
17.5°	1247.6	1238.1	1232.3	1233.0	1239.6
20°	1162.0	1158.4	1151.0	1154.0	1157.6
22.5°	1061.0	1062.5	1053.7	1055.9	1064.7
25°	872.2	904.4	908.8	898.6	862.7
27.5°	646.1	694.4	709.1	685.6	641.7
30°	451.5	464.7	504.2	459.5	443.4
32.5°	264.9	284.7	305.9	275.1	264.2
35°	134.6	144.2	160.3	136.1	131.7
37.5°	62.2	66.6	73.2	62.2	58.5
40°	27.8	32.9	38.8	31.5	26.3
42.5°	8.8	15.4	20.5	13.9	8.0
45°	0.7	3.7	11.0	3.7	0.7
47.5°	0.0	0.7	4.4	0.7	0.0
50°	0.0	0.0	1.5	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)