

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: P1313728

Luminaire Tested: LDSQA3D13R509727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313728  
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: LDSQA3D13R509727DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

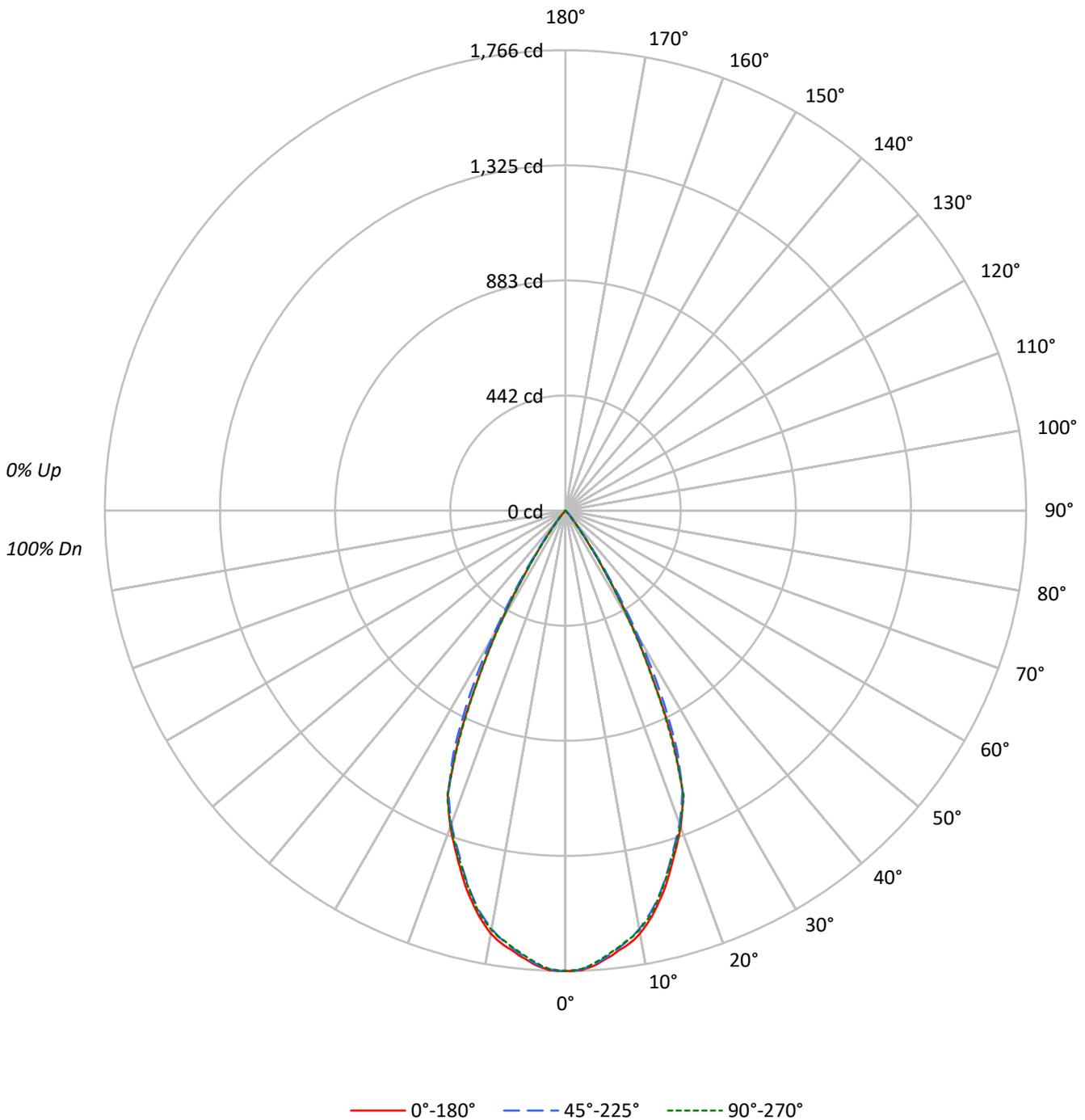
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1137.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 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): 14.6  
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°	304094	304094	304094
5°	298772	297942	297095
10°	288149	285019	285596
15°	265076	261741	262472
20°	236700	234464	235802
25°	184212	191946	182217
30°	99791	111444	98021
35°	31453	37445	30780
40°	6947	9690	6587
45°	195	2971	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: 2971 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.8	14.2
10°-20°	411.0	36.1
20°-30°	432.9	38.1
30°-40°	123.6	10.9
40°-50°	7.7	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°	1005.7	88.4
0°-40°	1129.3	99.3
0°-60°	1137.0	100.0
0°-90°	1137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1766	1766	1766	1766	1766	
5°	1728	1727	1723	1722	1718	163
15°	1487	1477	1468	1470	1472	414
25°	969	1005	1010	999	959	424
35°	150	160	178	151	146	117
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°	1765.7	1765.7	1765.7	1765.7	1765.7
1°	1766.5	1767.3	1765.7	1767.3	1763.2
2°	1764.0	1762.4	1760.8	1761.6	1759.2
3°	1755.1	1754.3	1751.0	1751.8	1748.6
4°	1743.7	1741.3	1738.8	1737.2	1733.9
5°	1728.2	1726.6	1723.4	1721.7	1718.5
6°	1715.2	1712.0	1706.3	1704.7	1701.4
7°	1698.2	1696.5	1689.2	1687.6	1686.0
8°	1685.1	1680.3	1671.3	1672.1	1668.1
9°	1668.1	1661.6	1652.6	1652.6	1653.4
10°	1647.7	1638.0	1629.8	1632.3	1633.1
11°	1620.9	1614.4	1602.2	1607.9	1607.9
12°	1591.6	1583.5	1574.5	1579.4	1582.7
13°	1557.5	1551.0	1542.8	1547.7	1546.1
14°	1524.1	1511.9	1506.2	1512.7	1510.3
15°	1486.7	1476.9	1468.0	1470.4	1472.1
17.5°	1386.7	1376.1	1369.6	1370.4	1377.7
20°	1291.5	1287.4	1279.3	1282.6	1286.6
22.5°	1179.3	1180.9	1171.1	1173.6	1183.3
25°	969.4	1005.2	1010.1	998.7	958.9
27.5°	718.1	771.8	788.1	762.1	713.3
30°	501.8	516.4	560.4	510.7	492.9
32.5°	294.4	316.4	340.0	305.8	293.6
35°	149.6	160.2	178.1	151.3	146.4
37.5°	69.1	74.0	81.3	69.1	65.1
40°	30.9	36.6	43.1	35.0	29.3
42.5°	9.8	17.1	22.8	15.5	8.9
45°	0.8	4.1	12.2	4.1	0.8
47.5°	0.0	0.8	4.9	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)