

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: P1310247

Luminaire Tested: LDSQA3D09R509035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310247  
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: LDSQA3D09R509035DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

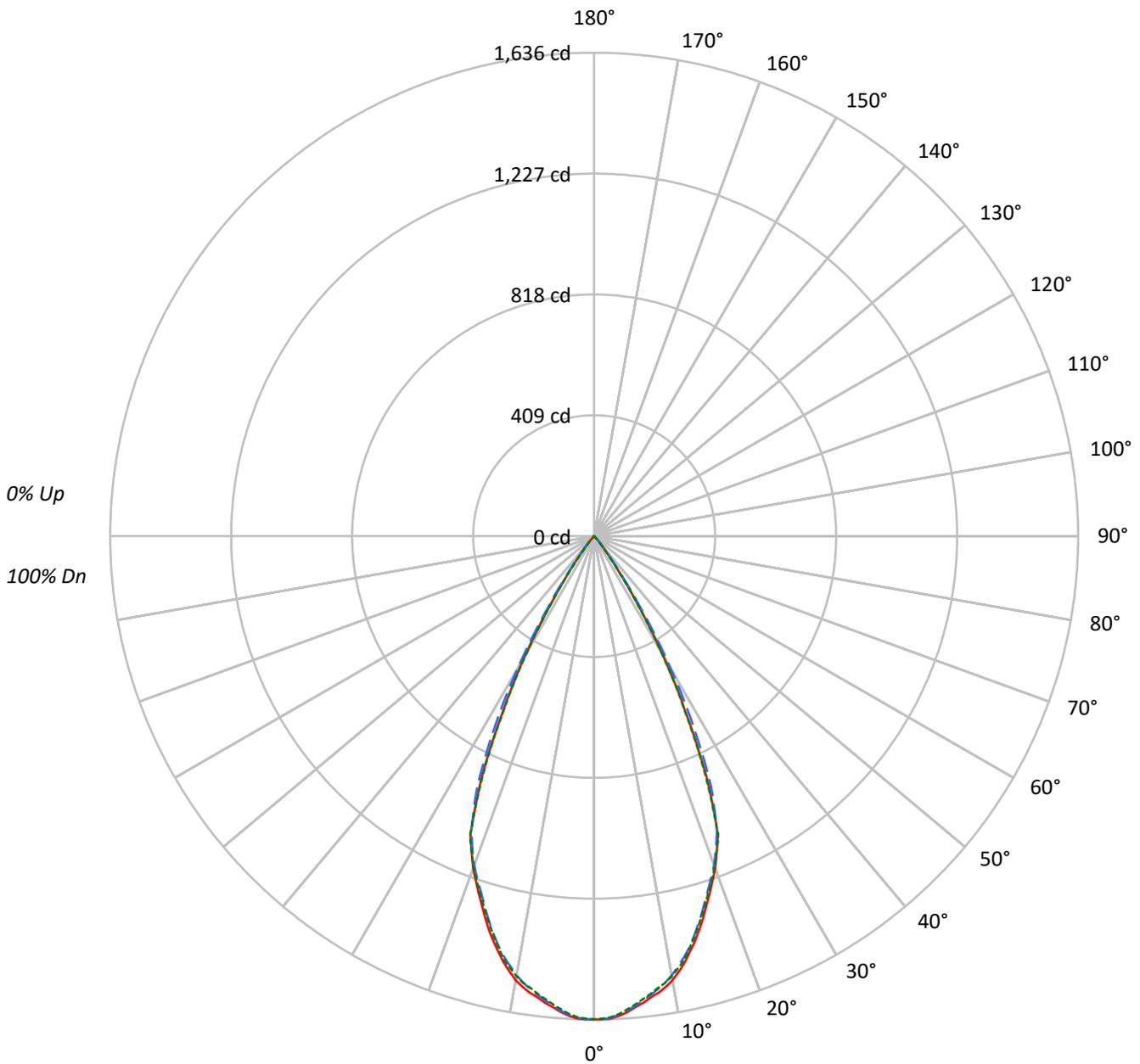
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1053.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 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): 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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	281618	281618	281618
5°	276713	275917	275139
10°	266866	263963	264488
15°	245499	242396	243074
20°	219216	217145	218391
25°	170606	177770	168744
30°	92413	103211	90762
35°	29140	34690	28509
40°	6430	8970	6093
45°	195	2752	195
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: 2752 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.8	14.2
10°-20°	380.6	36.1
20°-30°	400.9	38.1
30°-40°	114.5	10.9
40°-50°	7.1	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°	931.4	88.4
0°-40°	1045.9	99.3
0°-60°	1053.0	100.0
0°-90°	1053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1635	1635	1635	1635	1635	
5°	1601	1599	1596	1594	1592	150
15°	1377	1368	1360	1362	1363	384
25°	898	931	936	925	888	393
35°	139	148	165	140	136	108
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°	1635.2	1635.2	1635.2	1635.2	1635.2
1°	1636.0	1636.7	1635.2	1636.7	1633.0
2°	1633.7	1632.2	1630.7	1631.5	1629.2
3°	1625.4	1624.7	1621.7	1622.4	1619.4
4°	1614.9	1612.6	1610.4	1608.9	1605.8
5°	1600.6	1599.1	1596.0	1594.5	1591.5
6°	1588.5	1585.5	1580.2	1578.7	1575.7
7°	1572.7	1571.2	1564.4	1562.9	1561.4
8°	1560.6	1556.1	1547.8	1548.6	1544.8
9°	1544.8	1538.8	1530.5	1530.5	1531.3
10°	1526.0	1517.0	1509.4	1511.7	1512.4
11°	1501.1	1495.1	1483.8	1489.1	1489.1
12°	1474.0	1466.5	1458.2	1462.7	1465.7
13°	1442.4	1436.4	1428.8	1433.4	1431.9
14°	1411.5	1400.2	1394.9	1401.0	1398.7
15°	1376.9	1367.8	1359.5	1361.8	1363.3
17.5°	1284.2	1274.4	1268.4	1269.2	1275.9
20°	1196.1	1192.3	1184.8	1187.8	1191.6
22.5°	1092.2	1093.7	1084.6	1086.9	1095.9
25°	897.8	931.0	935.5	924.9	888.0
27.5°	665.1	714.8	729.9	705.8	660.6
30°	464.7	478.3	519.0	473.0	456.4
32.5°	272.7	293.0	314.8	283.2	271.9
35°	138.6	148.4	165.0	140.1	135.6
37.5°	64.0	68.5	75.3	64.0	60.3
40°	28.6	33.9	39.9	32.4	27.1
42.5°	9.0	15.8	21.1	14.3	8.3
45°	0.8	3.8	11.3	3.8	0.8
47.5°	0.0	0.8	4.5	0.8	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)