

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: P1316475

Luminaire Tested: LDSQA3D09R509740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316475  
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: LDSQA3D09R509740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

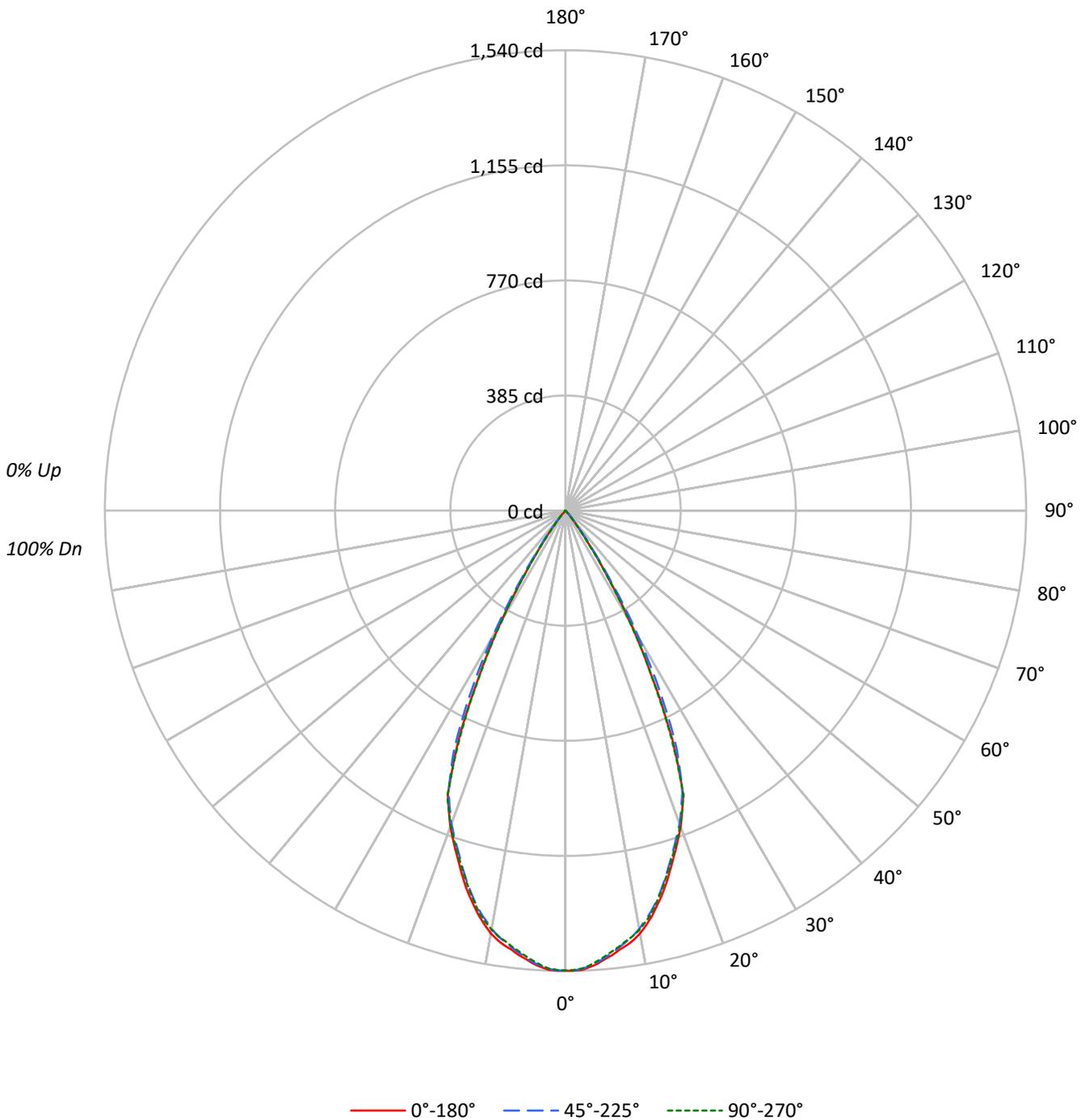
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 991.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 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				
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°	265033	265033	265033
5°	260410	259684	258940
10°	251162	248434	248923
15°	231039	228132	228756
20°	206313	204352	205525
25°	160573	167299	158805
30°	86984	97126	85433
35°	27416	32630	26827
40°	6048	8453	5733
45°	170	2582	170
50°	0	375	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: 2582 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	14.2
10°-20°	358.2	36.1
20°-30°	377.3	38.1
30°-40°	107.8	10.9
40°-50°	6.7	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°	876.5	88.5
0°-40°	984.3	99.3
0°-60°	991.0	100.0
0°-90°	991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1539	1539	1539	1539	1539	
5°	1506	1505	1502	1501	1498	142
15°	1296	1287	1280	1282	1283	361
25°	845	876	880	870	836	370
35°	130	140	155	132	128	102
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°	1538.9	1538.9	1538.9	1538.9	1538.9
1°	1539.6	1540.4	1538.9	1540.4	1536.8
2°	1537.5	1536.1	1534.7	1535.4	1533.3
3°	1529.7	1529.0	1526.2	1526.9	1524.1
4°	1519.8	1517.7	1515.5	1514.1	1511.3
5°	1506.3	1504.9	1502.1	1500.7	1497.8
6°	1495.0	1492.2	1487.2	1485.8	1482.9
7°	1480.1	1478.7	1472.3	1470.9	1469.5
8°	1468.8	1464.5	1456.7	1457.4	1453.9
9°	1453.9	1448.2	1440.4	1440.4	1441.1
10°	1436.2	1427.6	1420.6	1422.7	1423.4
11°	1412.8	1407.1	1396.5	1401.4	1401.4
12°	1387.2	1380.2	1372.4	1376.6	1379.4
13°	1357.5	1351.8	1344.7	1349.0	1347.5
14°	1328.4	1317.8	1312.8	1318.5	1316.4
15°	1295.8	1287.3	1279.5	1281.6	1283.0
17.5°	1208.6	1199.4	1193.7	1194.4	1200.8
20°	1125.7	1122.1	1115.0	1117.9	1121.4
22.5°	1027.8	1029.3	1020.8	1022.9	1031.4
25°	845.0	876.2	880.4	870.5	835.7
27.5°	625.9	672.7	686.9	664.2	621.7
30°	437.4	450.1	488.4	445.2	429.6
32.5°	256.6	275.7	296.3	266.5	255.9
35°	130.4	139.6	155.2	131.8	127.6
37.5°	60.3	64.5	70.9	60.3	56.7
40°	26.9	31.9	37.6	30.5	25.5
42.5°	8.5	14.9	19.8	13.5	7.8
45°	0.7	3.5	10.6	3.5	0.7
47.5°	0.0	0.7	4.3	0.7	0.0
50°	0.0	0.0	1.4	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)