

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: P1315503

Luminaire Tested: LDSQA3D09R509735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315503  
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: LDSQA3D09R509735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

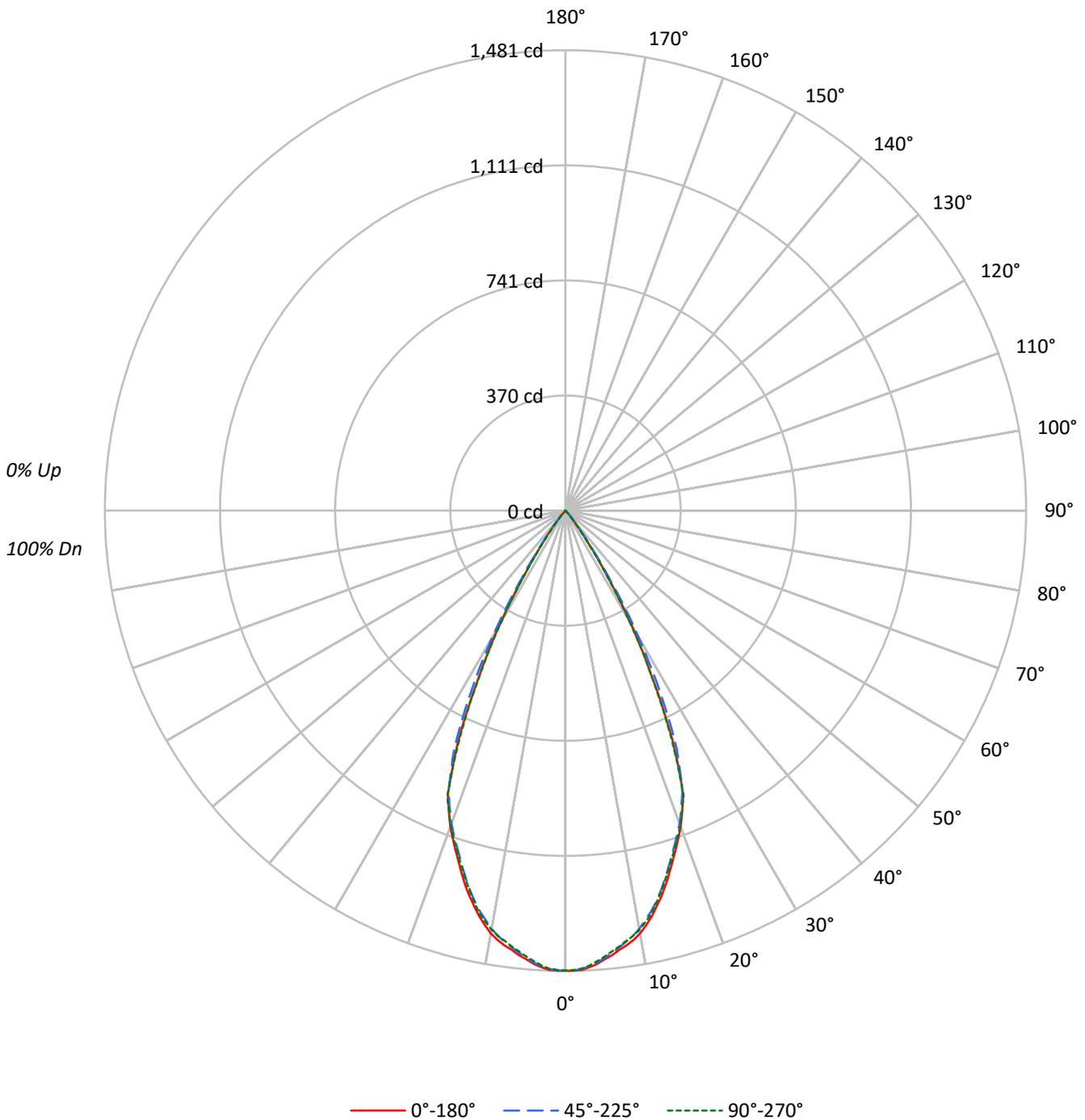
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 953.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 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

TEST NUMBER: P1315503  
CATALOG NUMBER: LDSQA3D09R509735DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1315503

CATALOG NUMBER: LDSQA3D09R509735DE010 3LSQCDR1MB

**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°	254872	254872	254872
5°	250435	249726	249017
10°	241526	238903	239375
15°	222177	219378	219984
20°	198396	196526	197644
25°	154416	160877	152724
30°	83643	93407	82151
35°	26365	31390	25797
40°	5823	8116	5508
45°	170	2484	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: 2484 cd/sqm



TEST NUMBER: P1315503

CATALOG NUMBER: LDSQA3D09R509735DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.6	14.2
10°-20°	344.5	36.1
20°-30°	362.8	38.1
30°-40°	103.6	10.9
40°-50°	6.4	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°	842.9	88.4
0°-40°	946.5	99.3
0°-60°	953.0	100.0
0°-90°	953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	953.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1449	1447	1444	1443	1440	136
15°	1246	1238	1230	1232	1234	347
25°	813	843	847	837	804	355
35°	125	134	149	127	123	98
45°	1	3	10	3	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



TEST NUMBER: P1315503

CATALOG NUMBER: LDSQA3D09R509735DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1479.9	1479.9	1479.9	1479.9	1479.9
1°	1480.6	1481.3	1479.9	1481.3	1477.9
2°	1478.6	1477.2	1475.8	1476.5	1474.5
3°	1471.1	1470.4	1467.7	1468.3	1465.6
4°	1461.5	1459.5	1457.4	1456.1	1453.3
5°	1448.6	1447.2	1444.5	1443.1	1440.4
6°	1437.7	1434.9	1430.2	1428.8	1426.1
7°	1423.3	1422.0	1415.8	1414.5	1413.1
8°	1412.4	1408.3	1400.9	1401.5	1398.1
9°	1398.1	1392.7	1385.2	1385.2	1385.9
10°	1381.1	1372.9	1366.1	1368.1	1368.8
11°	1358.6	1353.1	1342.9	1347.7	1347.7
12°	1334.0	1327.2	1319.7	1323.8	1326.5
13°	1305.4	1300.0	1293.1	1297.2	1295.9
14°	1277.5	1267.2	1262.5	1267.9	1265.9
15°	1246.1	1237.9	1230.4	1232.5	1233.8
17.5°	1162.3	1153.4	1147.9	1148.6	1154.8
20°	1082.5	1079.1	1072.3	1075.0	1078.4
22.5°	988.4	989.8	981.6	983.7	991.8
25°	812.6	842.6	846.6	837.1	803.7
27.5°	601.9	646.9	660.5	638.7	597.8
30°	420.6	432.9	469.7	428.1	413.1
32.5°	246.8	265.2	284.9	256.3	246.1
35°	125.4	134.3	149.3	126.8	122.7
37.5°	57.9	62.0	68.2	57.9	54.5
40°	25.9	30.7	36.1	29.3	24.5
42.5°	8.2	14.3	19.1	13.0	7.5
45°	0.7	3.4	10.2	3.4	0.7
47.5°	0.0	0.7	4.1	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



TEST NUMBER: P1315503  
CATALOG NUMBER: LDSQA3D09R509735DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)