

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: P1308011

Luminaire Tested: LDSQA3D09R509027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308011  
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: LDSQA3D09R509027DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

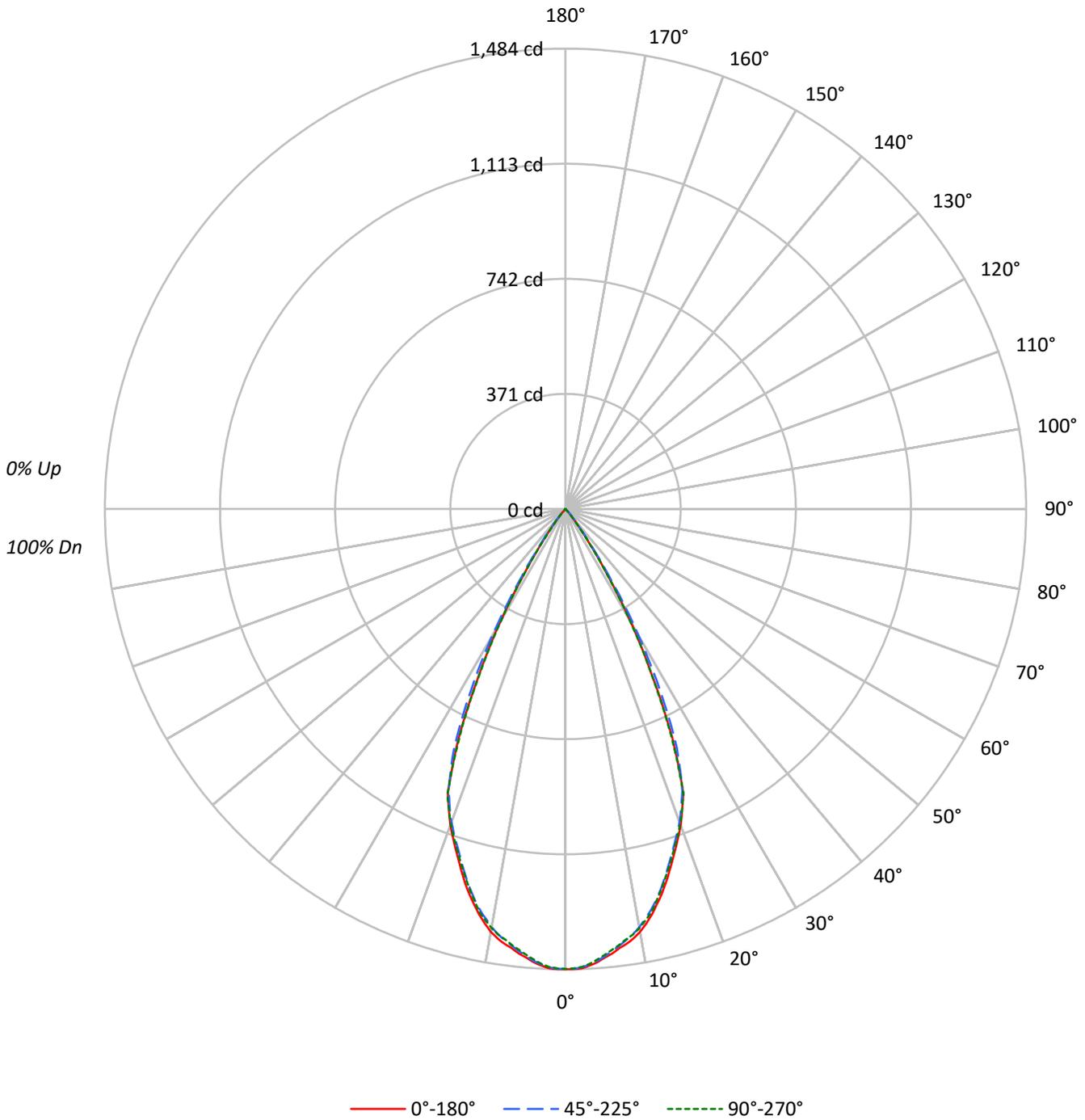
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 955.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 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°	255406	255406	255406
5°	250953	250245	249536
10°	242033	239410	239882
15°	222641	219841	220448
20°	198817	196930	198066
25°	154739	161219	153047
30°	83822	93606	82330
35°	26428	31453	25860
40°	5845	8139	5531
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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	14.2
10°-20°	345.2	36.1
20°-30°	363.6	38.1
30°-40°	103.8	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°	844.7	88.4
0°-40°	948.5	99.3
0°-60°	955.0	100.0
0°-90°	955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1483	1483	1483	1483	1483	
5°	1452	1450	1448	1446	1443	136
15°	1249	1240	1233	1235	1236	348
25°	814	844	848	839	805	356
35°	126	135	150	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1483.0	1483.0	1483.0	1483.0	1483.0
1°	1483.7	1484.4	1483.0	1484.4	1481.0
2°	1481.7	1480.3	1478.9	1479.6	1477.6
3°	1474.2	1473.5	1470.7	1471.4	1468.7
4°	1464.6	1462.5	1460.5	1459.1	1456.4
5°	1451.6	1450.2	1447.5	1446.1	1443.4
6°	1440.7	1437.9	1433.2	1431.8	1429.1
7°	1426.3	1425.0	1418.8	1417.5	1416.1
8°	1415.4	1411.3	1403.8	1404.5	1401.1
9°	1401.1	1395.6	1388.1	1388.1	1388.8
10°	1384.0	1375.8	1369.0	1371.0	1371.7
11°	1361.4	1356.0	1345.7	1350.5	1350.5
12°	1336.8	1330.0	1322.5	1326.6	1329.3
13°	1308.2	1302.7	1295.9	1300.0	1298.6
14°	1280.1	1269.9	1265.1	1270.6	1268.5
15°	1248.7	1240.5	1233.0	1235.1	1236.4
17.5°	1164.7	1155.8	1150.4	1151.0	1157.2
20°	1084.8	1081.4	1074.5	1077.3	1080.7
22.5°	990.5	991.9	983.7	985.7	993.9
25°	814.3	844.3	848.4	838.9	805.4
27.5°	603.2	648.3	661.9	640.1	599.1
30°	421.5	433.8	470.7	429.0	414.0
32.5°	247.3	265.7	285.5	256.8	246.6
35°	125.7	134.6	149.6	127.1	123.0
37.5°	58.1	62.2	68.3	58.1	54.6
40°	26.0	30.7	36.2	29.4	24.6
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



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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)