

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: P1311373

Luminaire Tested: LDSQA3D09R559040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

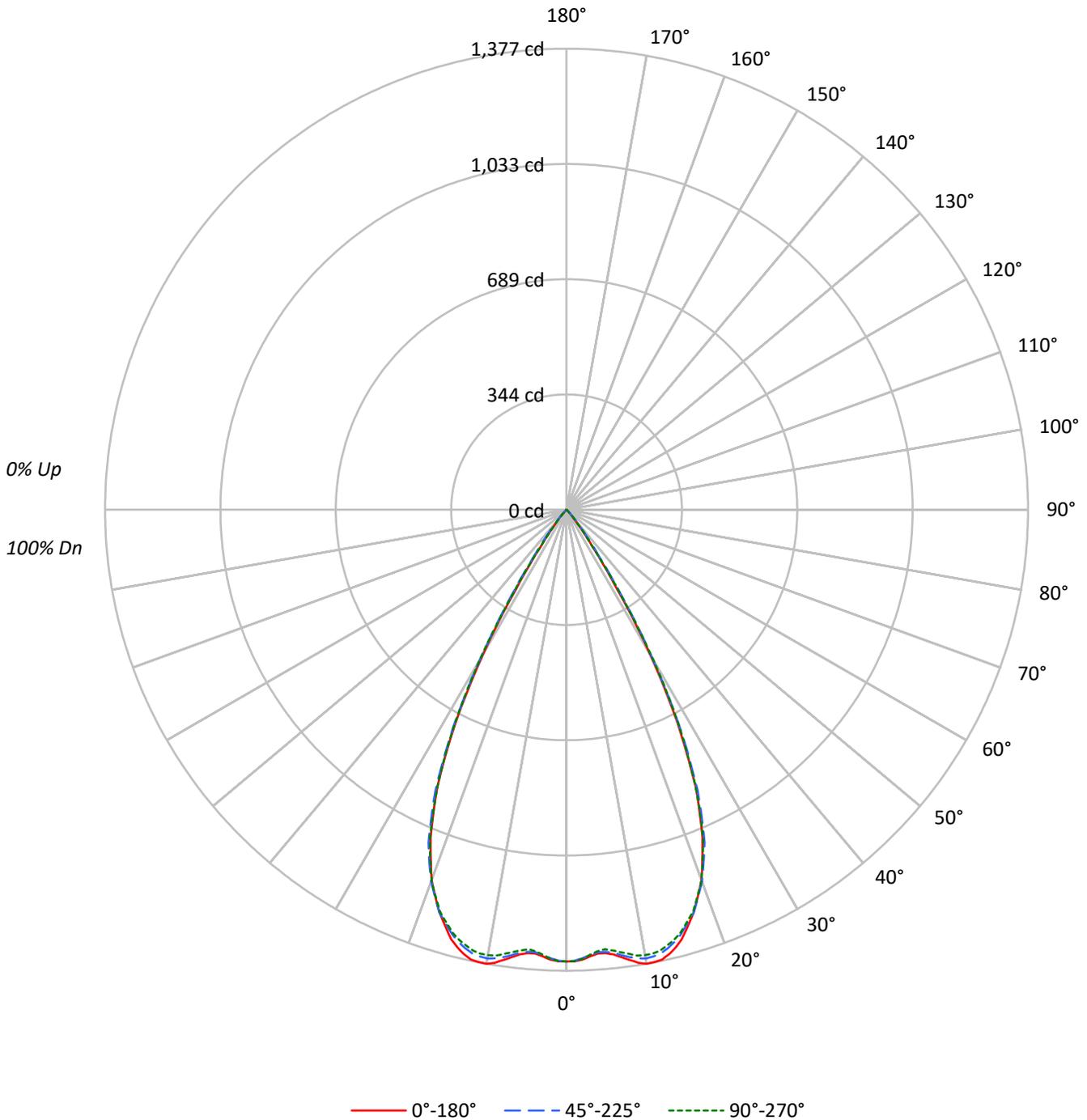
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1026.0 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	232414	232414	232414
5°	229775	229084	227857
10°	240826	237941	236280
15°	236833	234301	233463
20°	215715	216577	215862
25°	173057	175756	173057
30°	99333	101839	102615
35°	28320	34123	29161
40°	7262	10454	7442
45°	779	3653	585
50°	0	643	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: 3653 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.1	12.5
10°-20°	365.6	35.6
20°-30°	402.7	39.3
30°-40°	120.2	11.7
40°-50°	9.2	0.9
50°-60°	0.1	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°	896.5	87.4
0°-40°	1016.7	99.1
0°-60°	1026.0	100.0
0°-90°	1026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1026.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1329	1327	1325	1320	1318	129
15°	1328	1319	1314	1309	1309	368
25°	911	911	925	923	911	399
35°	135	143	162	148	139	111
45°	3	8	15	8	2	6
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°	1349.5	1349.5	1349.5	1349.5	1349.5
1°	1348.8	1348.8	1347.2	1346.4	1348.8
2°	1344.8	1344.8	1340.9	1340.1	1342.5
3°	1336.2	1335.4	1332.2	1329.8	1331.4
4°	1329.1	1327.5	1325.1	1321.2	1322.0
5°	1329.1	1326.7	1325.1	1319.6	1318.0
6°	1335.4	1333.8	1330.6	1325.1	1323.5
7°	1346.4	1343.2	1340.1	1333.0	1331.4
8°	1358.2	1355.8	1349.5	1342.5	1339.3
9°	1370.0	1364.5	1356.6	1349.5	1348.8
10°	1377.1	1369.2	1360.6	1351.9	1351.1
11°	1376.3	1369.2	1359.0	1351.1	1350.3
12°	1373.2	1362.9	1354.3	1344.8	1345.6
13°	1362.1	1352.7	1344.0	1336.9	1335.4
14°	1347.2	1338.5	1330.6	1323.5	1324.3
15°	1328.3	1318.8	1314.1	1308.6	1309.4
17.5°	1261.3	1258.9	1261.3	1255.0	1257.4
20°	1177.0	1174.6	1181.7	1178.6	1177.8
22.5°	1059.6	1062.8	1076.2	1072.2	1065.1
25°	910.7	910.7	924.9	923.3	910.7
27.5°	716.9	722.4	731.1	735.0	725.6
30°	499.5	512.1	512.1	520.0	516.0
32.5°	278.9	305.7	312.0	315.9	300.2
35°	134.7	143.4	162.3	148.1	138.7
37.5°	64.6	68.5	87.4	70.9	66.2
40°	32.3	37.0	46.5	38.6	33.1
42.5°	13.4	19.7	24.4	19.7	13.4
45°	3.2	7.9	15.0	7.9	2.4
47.5°	0.0	0.8	7.1	1.6	0.0
50°	0.0	0.0	2.4	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)