

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: P1307040

Luminaire Tested: LDSQA3D09R509024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

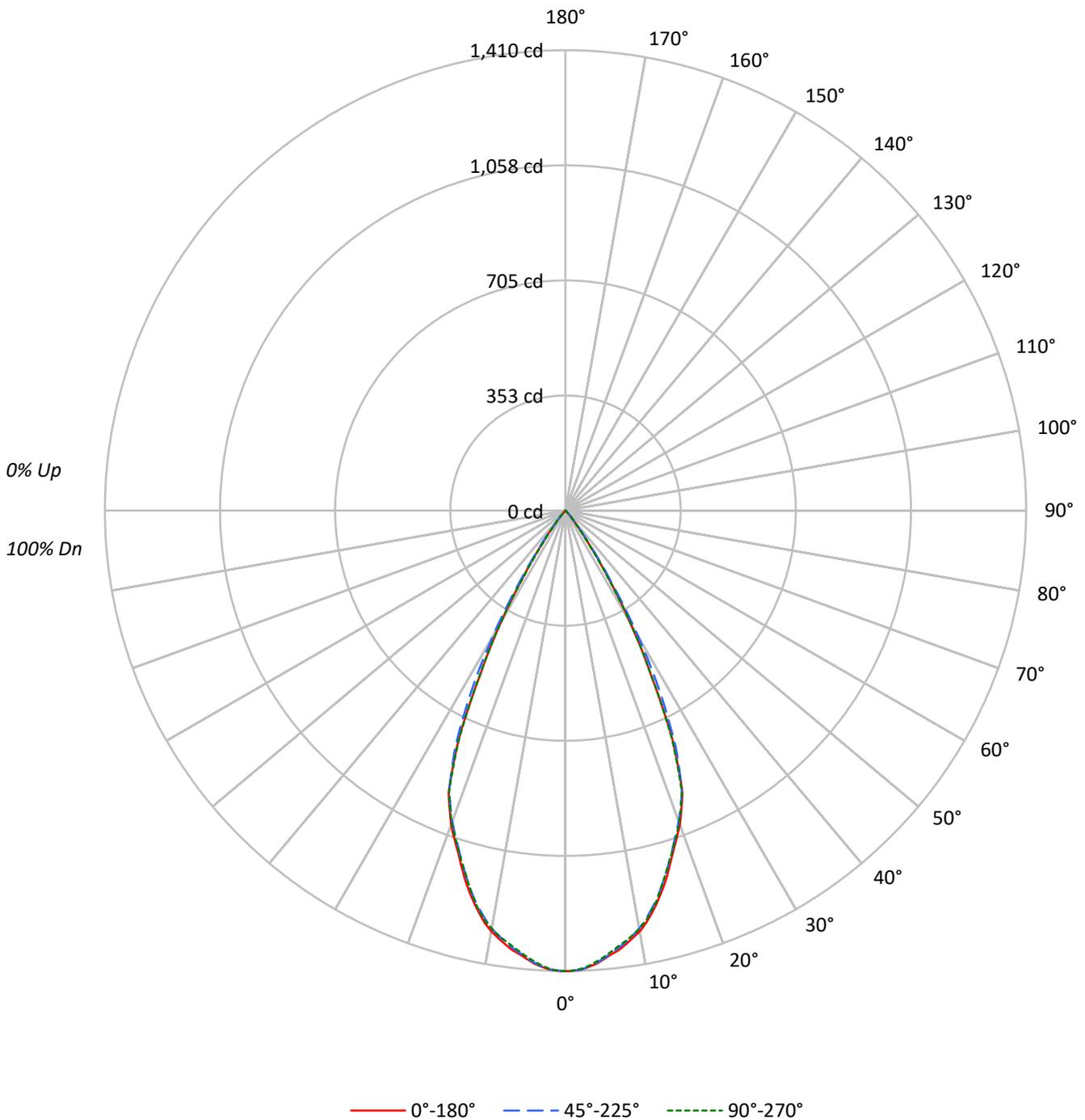
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.9 lumens
Efficiency: N/A
Efficacy: 81.9 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_{in}): 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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	242920	242920	242920
5°	238160	237711	237054
10°	228847	227256	227378
15°	210071	208127	207895
20°	187674	185658	186611
25°	147499	151793	146283
30°	78910	88416	79168
35°	25776	30107	24283
40°	6385	7981	6093
45°	779	2825	779
50°	509	857	509
55°	570	570	570
60°	448	448	448
65°	530	530	530
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	14.2
10°-20°	326.2	35.9
20°-30°	343.1	37.7
30°-40°	98.9	10.9
40°-50°	8.0	0.9
50°-60°	1.7	0.2
60°-70°	1.2	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	798.3	87.8
0°-40°	897.1	98.7
0°-60°	906.9	99.8
0°-90°	908.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1378	1377	1375	1376	1371	129
15°	1178	1170	1167	1167	1166	328
25°	776	796	799	790	770	336
35°	123	127	143	123	116	95
45°	3	6	12	6	3	6
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1410.5	1410.5	1410.5	1410.5	1410.5
1°	1409.9	1411.2	1408.6	1413.1	1409.2
2°	1406.6	1407.3	1406.0	1409.2	1404.1
3°	1398.9	1400.2	1397.6	1400.2	1395.7
4°	1389.9	1389.9	1387.3	1389.2	1383.4
5°	1377.6	1377.0	1375.0	1376.3	1371.2
6°	1364.7	1364.1	1360.8	1360.8	1357.0
7°	1355.0	1350.5	1347.9	1347.3	1343.4
8°	1339.5	1338.3	1333.1	1333.1	1330.5
9°	1324.1	1322.8	1317.0	1318.2	1316.3
10°	1308.6	1304.1	1299.5	1300.2	1300.2
11°	1287.9	1284.0	1277.6	1280.2	1281.5
12°	1263.4	1258.9	1253.1	1258.2	1257.6
13°	1236.3	1232.4	1227.9	1231.8	1230.5
14°	1207.9	1202.1	1198.2	1200.8	1199.5
15°	1178.2	1170.5	1167.3	1167.3	1166.0
17.5°	1095.0	1090.5	1087.2	1085.3	1089.8
20°	1024.0	1020.1	1013.0	1015.0	1018.2
22.5°	935.0	934.3	930.5	927.2	931.1
25°	776.2	795.6	798.8	789.8	769.8
27.5°	563.9	609.1	625.2	604.0	567.2
30°	396.8	418.1	444.6	402.6	398.1
32.5°	239.4	245.2	269.7	240.7	234.2
35°	122.6	127.1	143.2	122.6	115.5
37.5°	57.4	60.0	66.5	57.4	53.6
40°	28.4	31.6	35.5	29.7	27.1
42.5°	12.3	16.1	20.6	15.5	11.0
45°	3.2	6.5	11.6	6.5	3.2
47.5°	1.9	2.6	6.5	2.6	1.9
50°	1.9	1.9	3.2	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.3	1.9	1.3	1.9	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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)