

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: P1307038

Luminaire Tested: LDSQA3D09R509024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307038
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: LDSQA3D09R509024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

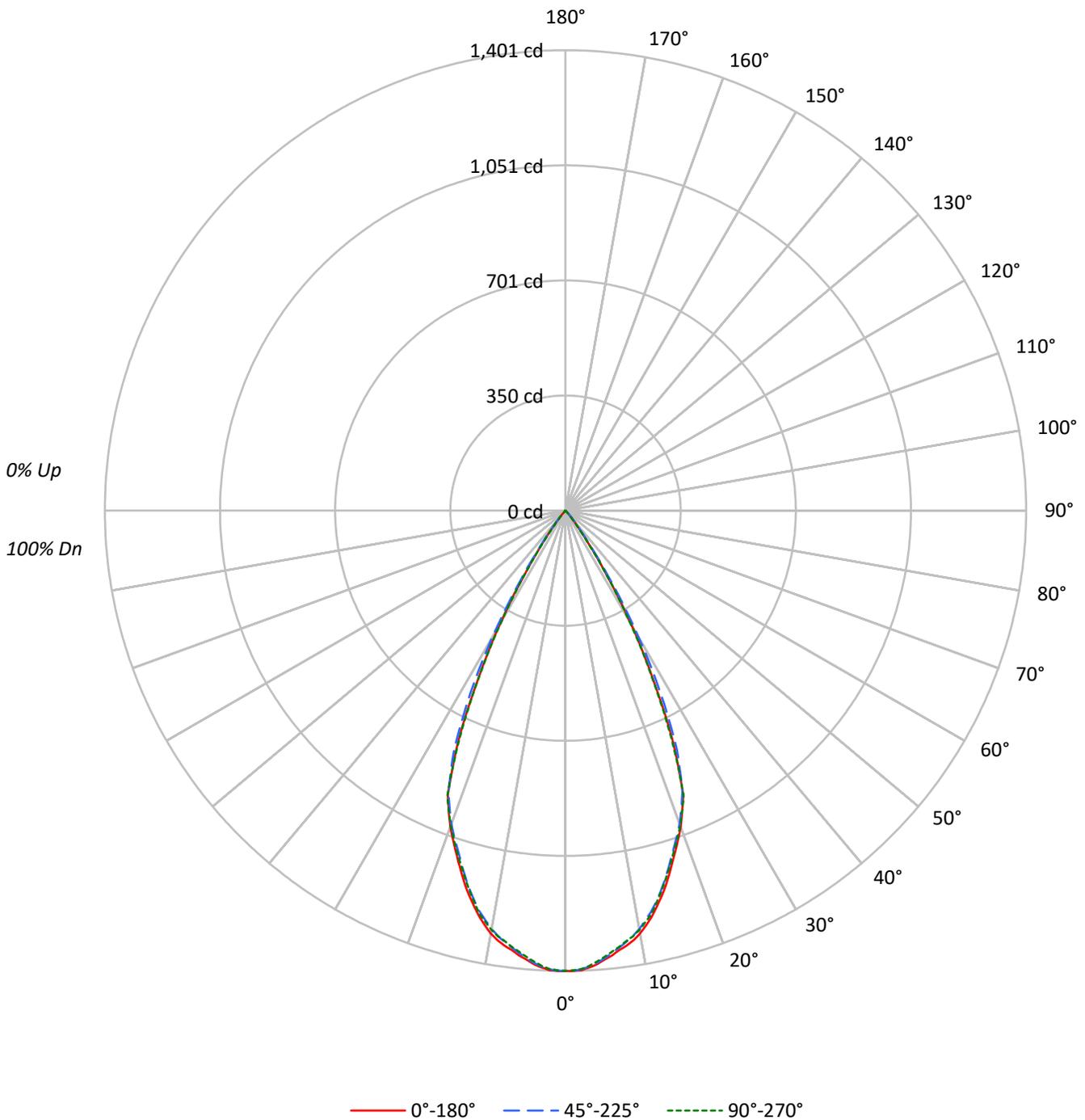
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 902.0 lumens
Efficiency: N/A
Efficacy: 81.3 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°	241232	241232	241232
5°	237019	236362	235688
10°	228602	226119	226574
15°	210285	207646	208216
20°	187784	186006	187069
25°	146150	152268	144553
30°	79168	88396	77756
35°	24956	29708	24409
40°	5508	7689	5216
45°	146	2363	146
50°	0	348	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: 2363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	14.2
10°-20°	326.1	36.1
20°-30°	343.4	38.1
30°-40°	98.1	10.9
40°-50°	6.1	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°	797.8	88.5
0°-40°	895.9	99.3
0°-60°	902.0	100.0
0°-90°	902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1371	1370	1367	1366	1363	129
15°	1179	1172	1165	1166	1168	329
25°	769	798	801	792	761	336
35°	119	127	141	120	116	93
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°	1400.7	1400.7	1400.7	1400.7	1400.7
1°	1401.4	1402.0	1400.7	1402.0	1398.8
2°	1399.4	1398.1	1396.9	1397.5	1395.6
3°	1392.3	1391.7	1389.1	1389.8	1387.2
4°	1383.3	1381.4	1379.4	1378.1	1375.6
5°	1371.0	1369.8	1367.2	1365.9	1363.3
6°	1360.7	1358.1	1353.6	1352.3	1349.8
7°	1347.2	1345.9	1340.1	1338.8	1337.5
8°	1336.9	1333.0	1325.9	1326.5	1323.3
9°	1323.3	1318.1	1311.0	1311.0	1311.7
10°	1307.2	1299.4	1293.0	1294.9	1295.6
11°	1285.9	1280.7	1271.0	1275.6	1275.6
12°	1262.7	1256.2	1249.1	1253.0	1255.6
13°	1235.6	1230.4	1223.9	1227.8	1226.5
14°	1209.1	1199.4	1194.9	1200.1	1198.1
15°	1179.4	1171.7	1164.6	1166.5	1167.8
17.5°	1100.1	1091.7	1086.5	1087.2	1093.0
20°	1024.6	1021.4	1014.9	1017.5	1020.7
22.5°	935.5	936.8	929.1	931.0	938.8
25°	769.1	797.5	801.3	792.3	760.7
27.5°	569.7	612.3	625.2	604.6	565.8
30°	398.1	409.7	444.5	405.2	391.0
32.5°	233.6	251.0	269.7	242.6	232.9
35°	118.7	127.1	141.3	120.0	116.1
37.5°	54.8	58.7	64.5	54.8	51.6
40°	24.5	29.0	34.2	27.7	23.2
42.5°	7.7	13.5	18.1	12.3	7.1
45°	0.6	3.2	9.7	3.2	0.6
47.5°	0.0	0.6	3.9	0.6	0.0
50°	0.0	0.0	1.3	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)