

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: P1323810

Luminaire Tested: LDSQA3D09R509030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323810
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: LDSQA3D09R509030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

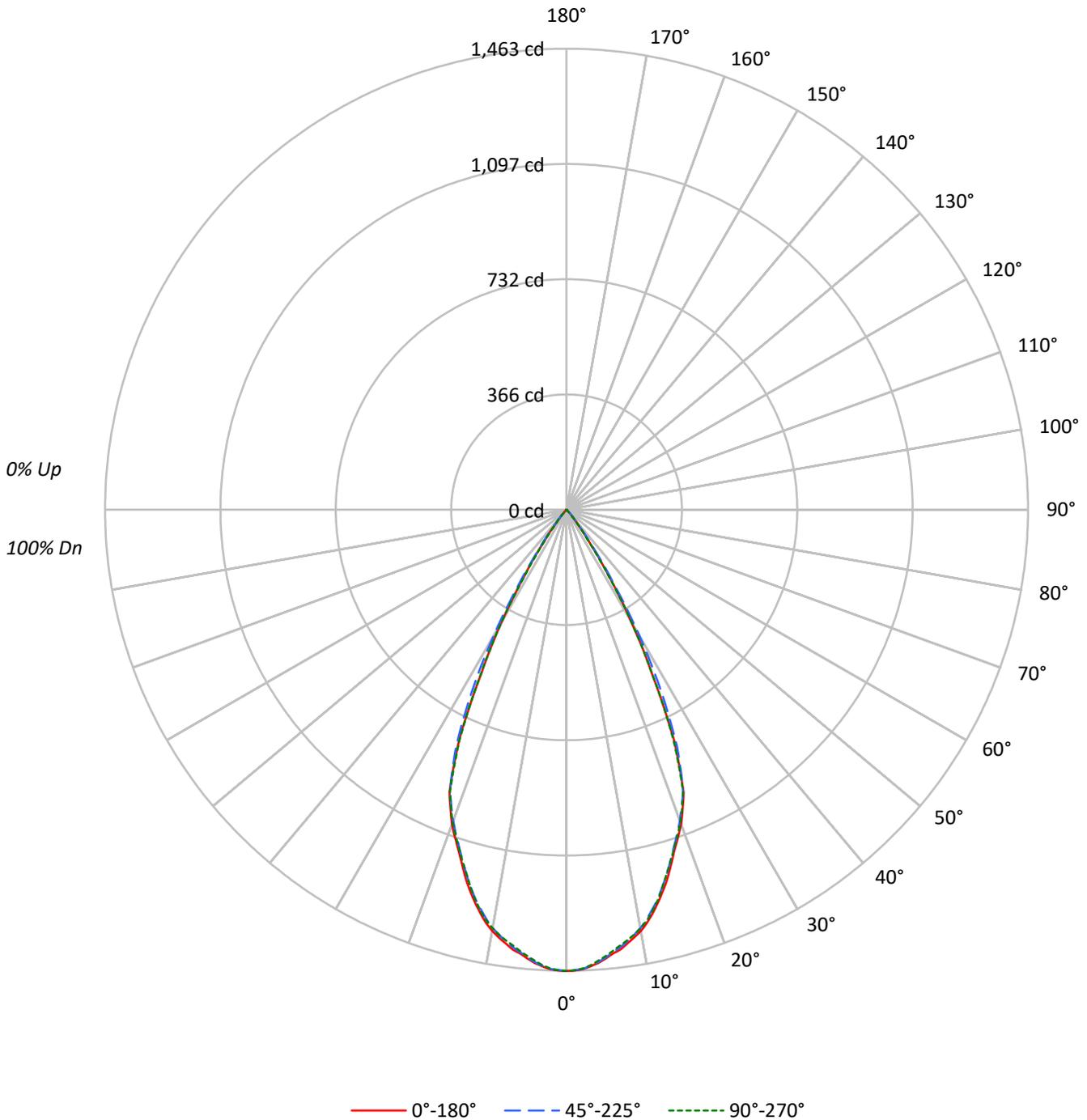
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 943.0 lumens
Efficiency: N/A
Efficacy: 64.1 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): 14.7
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	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	79	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	70	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°	252013	252013	252013
5°	247064	246614	245905
10°	237399	235755	235877
15°	217934	215901	215669
20°	194694	192604	193594
25°	153028	157475	151755
30°	81873	91717	82131
35°	26743	31242	25187
40°	6632	8273	6317
45°	804	2923	804
50°	536	884	536
55°	601	601	601
60°	448	448	448
65°	530	530	530
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2923 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	14.2
10°-20°	338.4	35.9
20°-30°	355.9	37.7
30°-40°	102.6	10.9
40°-50°	8.3	0.9
50°-60°	1.8	0.2
60°-70°	1.3	0.1
70°-80°	0.7	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°	828.1	87.8
0°-40°	930.7	98.7
0°-60°	940.8	99.8
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1463	1463	1463	1463	1463	
5°	1429	1428	1426	1428	1422	134
15°	1222	1214	1211	1211	1210	340
25°	805	825	829	819	799	349
35°	127	132	149	127	120	98
45°	3	7	12	7	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°	1463.3	1463.3	1463.3	1463.3	1463.3
1°	1462.6	1463.9	1461.3	1466.0	1461.9
2°	1459.3	1459.9	1458.6	1461.9	1456.6
3°	1451.2	1452.6	1449.9	1452.6	1447.9
4°	1441.9	1441.9	1439.2	1441.2	1435.2
5°	1429.1	1428.5	1426.5	1427.8	1422.4
6°	1415.8	1415.1	1411.7	1411.7	1407.7
7°	1405.7	1401.0	1398.3	1397.7	1393.7
8°	1389.6	1388.3	1383.0	1383.0	1380.3
9°	1373.6	1372.2	1366.2	1367.6	1365.5
10°	1357.5	1352.8	1348.1	1348.8	1348.8
11°	1336.1	1332.1	1325.4	1328.1	1329.4
12°	1310.7	1306.0	1299.9	1305.3	1304.6
13°	1282.5	1278.5	1273.8	1277.9	1276.5
14°	1253.1	1247.1	1243.0	1245.7	1244.4
15°	1222.3	1214.3	1210.9	1210.9	1209.6
17.5°	1135.9	1131.3	1127.9	1125.9	1130.6
20°	1062.3	1058.3	1050.9	1052.9	1056.3
22.5°	969.9	969.3	965.3	961.9	965.9
25°	805.3	825.4	828.7	819.3	798.6
27.5°	585.0	631.9	648.6	626.5	588.4
30°	411.7	433.8	461.2	417.7	413.0
32.5°	248.3	254.4	279.8	249.7	243.0
35°	127.2	131.9	148.6	127.2	119.8
37.5°	59.6	62.3	68.9	59.6	55.6
40°	29.5	32.8	36.8	30.8	28.1
42.5°	12.7	16.7	21.4	16.1	11.4
45°	3.3	6.7	12.0	6.7	3.3
47.5°	2.0	2.7	6.7	2.7	2.0
50°	2.0	2.0	3.3	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.3	2.0	1.3	2.0	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°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.0	0.7	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)