

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: P1323809

Luminaire Tested: LDSQA3D09R509030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323809
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: LDSQA3D09R509030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

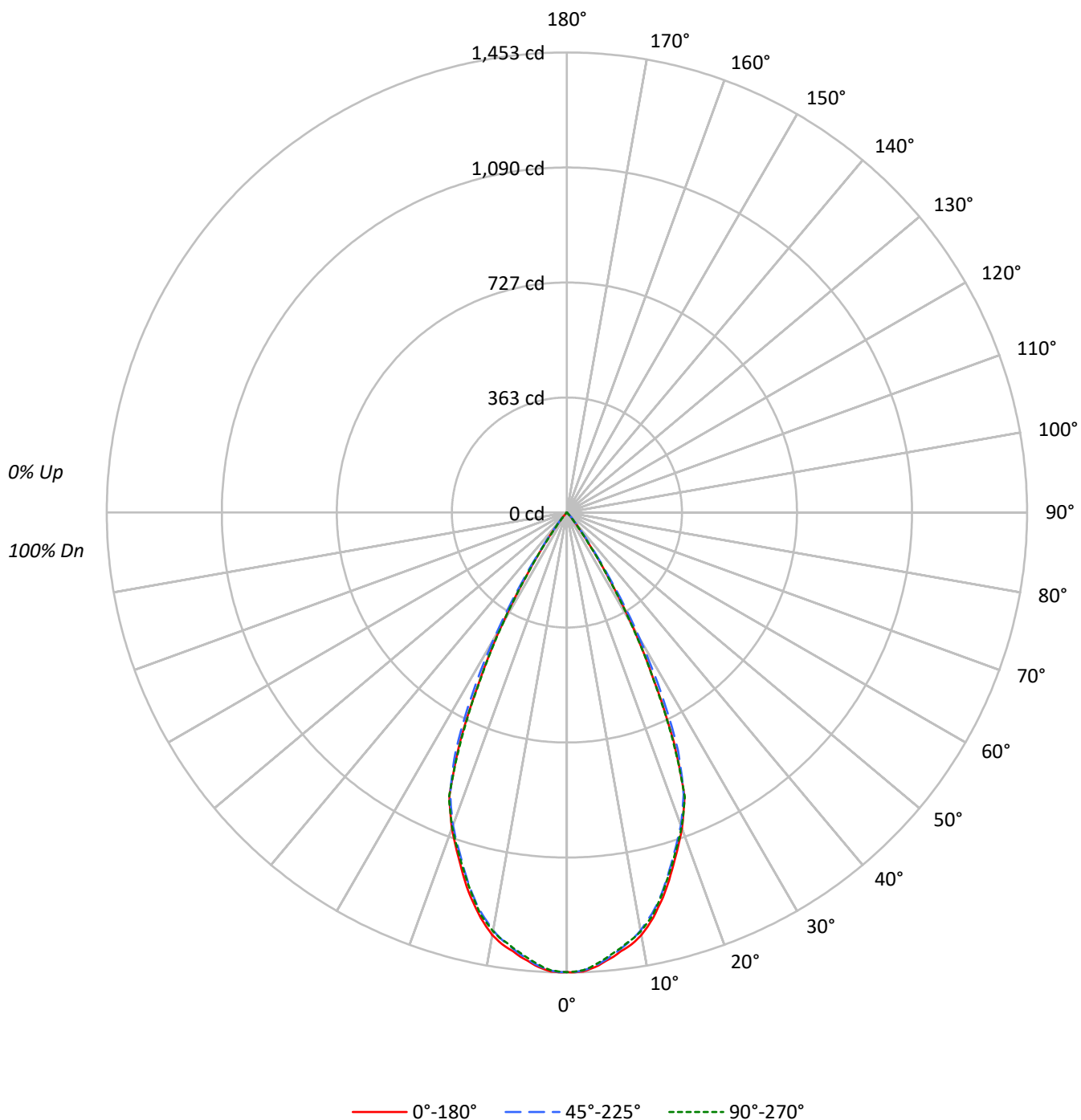
Lumens per Lamp: N/A
Luminaire Lumens: 935.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	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
1	114	112	109	107	112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98	107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80	95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75	91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71	87	79	74	71		78	74	70			77	73	70			76
8	85	76	71	67	83	76	71	67		75	70	67			74	70	67			73
9	81	73	67	64	80	72	67	64		71	67	64			70	66	63			70
10	78	69	64	61	77	69	64	61		68	64	60			67	63	60			67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	250067	250067	250067
5°	245698	245006	244315
10°	236962	234391	234863
15°	217987	215241	215830
20°	194657	192806	193905
25°	151489	157855	149836
30°	82072	91637	80600
35°	25881	30801	25314
40°	5710	7959	5418
45°	170	2436	170
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: 2436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	14.2
10°-20°	338.0	36.1
20°-30°	356.0	38.1
30°-40°	101.7	10.9
40°-50°	6.3	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°	827.0	88.4
0°-40°	928.7	99.3
0°-60°	935.0	100.0
0°-90°	935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1421	1420	1417	1416	1413	134
15°	1223	1214	1207	1209	1210	341
25°	797	827	831	821	788	349
35°	123	132	146	124	120	96
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.0	1452.0	1452.0	1452.0	1452.0
1°	1452.6	1453.3	1452.0	1453.3	1450.0
2°	1450.6	1449.3	1448.0	1448.6	1446.6
3°	1443.3	1442.6	1439.9	1440.6	1437.9
4°	1433.9	1431.9	1429.9	1428.6	1425.9
5°	1421.2	1419.9	1417.2	1415.9	1413.2
6°	1410.5	1407.8	1403.2	1401.8	1399.1
7°	1396.5	1395.1	1389.1	1387.8	1386.4
8°	1385.8	1381.7	1374.4	1375.1	1371.7
9°	1371.7	1366.4	1359.0	1359.0	1359.7
10°	1355.0	1347.0	1340.3	1342.3	1343.0
11°	1332.9	1327.6	1317.5	1322.2	1322.2
12°	1308.8	1302.2	1294.8	1298.8	1301.5
13°	1280.8	1275.4	1268.7	1272.7	1271.4
14°	1253.3	1243.3	1238.6	1244.0	1242.0
15°	1222.6	1214.5	1207.2	1209.2	1210.5
17.5°	1140.3	1131.6	1126.3	1126.9	1133.0
20°	1062.1	1058.7	1052.0	1054.7	1058.0
22.5°	969.8	971.1	963.1	965.1	973.1
25°	797.2	826.6	830.7	821.3	788.5
27.5°	590.6	634.7	648.1	626.7	586.5
30°	412.7	424.7	460.8	420.0	405.3
32.5°	242.1	260.2	279.6	251.5	241.4
35°	123.1	131.8	146.5	124.4	120.4
37.5°	56.8	60.9	66.9	56.8	53.5
40°	25.4	30.1	35.4	28.8	24.1
42.5°	8.0	14.0	18.7	12.7	7.4
45°	0.7	3.3	10.0	3.3	0.7
47.5°	0.0	0.7	4.0	0.7	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)