

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: P1323644

Luminaire Tested: LDSQA3D05R409030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

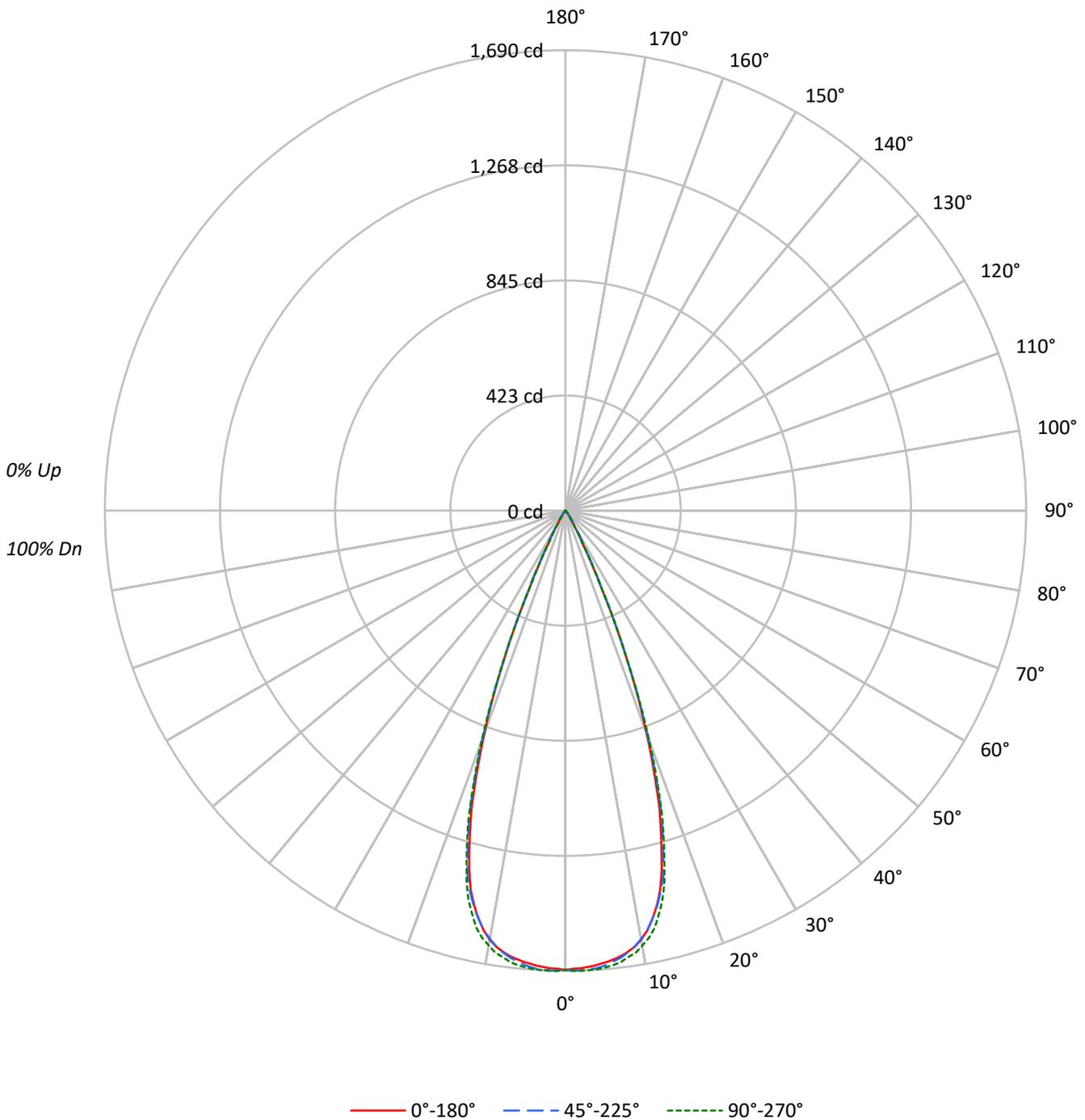
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	82	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	77	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	290367	290367	290367
5°	287863	289661	291044
10°	279650	279143	283497
15°	243288	247210	250223
20°	159670	162785	164893
25°	56932	60238	56647
30°	12409	16784	12509
35°	3995	6938	3890
40°	1237	2136	1124
45°	122	731	122
50°	0	134	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: 731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	22.2
10°-20°	367.2	51.8
20°-30°	164.7	23.2
30°-40°	17.8	2.5
40°-50°	1.7	0.2
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°	689.5	97.3
0°-40°	707.3	99.8
0°-60°	709.0	100.0
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1686	1686	1686	1686	1686	
5°	1665	1670	1676	1678	1684	157
15°	1364	1374	1386	1394	1403	363
25°	300	308	317	322	298	160
35°	19	22	33	22	18	15
45°	0	1	3	1	0	1
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°	1686.0	1686.0	1686.0	1686.0	1686.0
1°	1682.5	1686.0	1689.0	1686.5	1690.0
2°	1681.0	1685.0	1689.5	1687.0	1690.0
3°	1677.0	1682.0	1687.0	1685.5	1688.5
4°	1671.5	1675.5	1683.0	1683.0	1687.5
5°	1665.1	1669.5	1675.5	1678.0	1683.5
6°	1658.1	1660.6	1665.1	1670.0	1677.5
7°	1649.1	1649.1	1654.6	1659.6	1669.5
8°	1636.6	1635.6	1639.6	1646.1	1655.1
9°	1621.1	1617.6	1620.6	1630.1	1643.6
10°	1599.1	1596.2	1596.2	1608.1	1621.1
11°	1570.7	1569.7	1570.2	1581.7	1599.1
12°	1532.2	1533.2	1533.2	1546.2	1567.7
13°	1488.8	1488.3	1492.8	1507.3	1521.8
14°	1435.9	1438.9	1443.4	1456.4	1471.3
15°	1364.5	1374.5	1386.5	1394.4	1403.4
17.5°	1147.3	1157.3	1173.8	1180.3	1182.3
20°	871.2	885.7	888.2	901.2	899.7
22.5°	584.1	583.1	585.1	586.6	587.1
25°	299.6	308.5	317.0	322.5	298.1
27.5°	130.3	145.8	156.8	142.3	131.8
30°	62.4	70.9	84.4	71.4	62.9
32.5°	34.0	39.4	53.4	38.9	33.5
35°	19.0	22.0	33.0	21.5	18.5
37.5°	11.0	12.0	18.0	12.0	10.5
40°	5.5	7.0	9.5	7.0	5.0
42.5°	2.0	3.5	5.0	3.5	2.0
45°	0.5	1.0	3.0	1.0	0.5
47.5°	0.0	0.0	1.5	0.0	0.0
50°	0.0	0.0	0.5	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)