

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: P1317367

Luminaire Tested: LDSQA3D09R409827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317367
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: LDSQA3D09R409827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

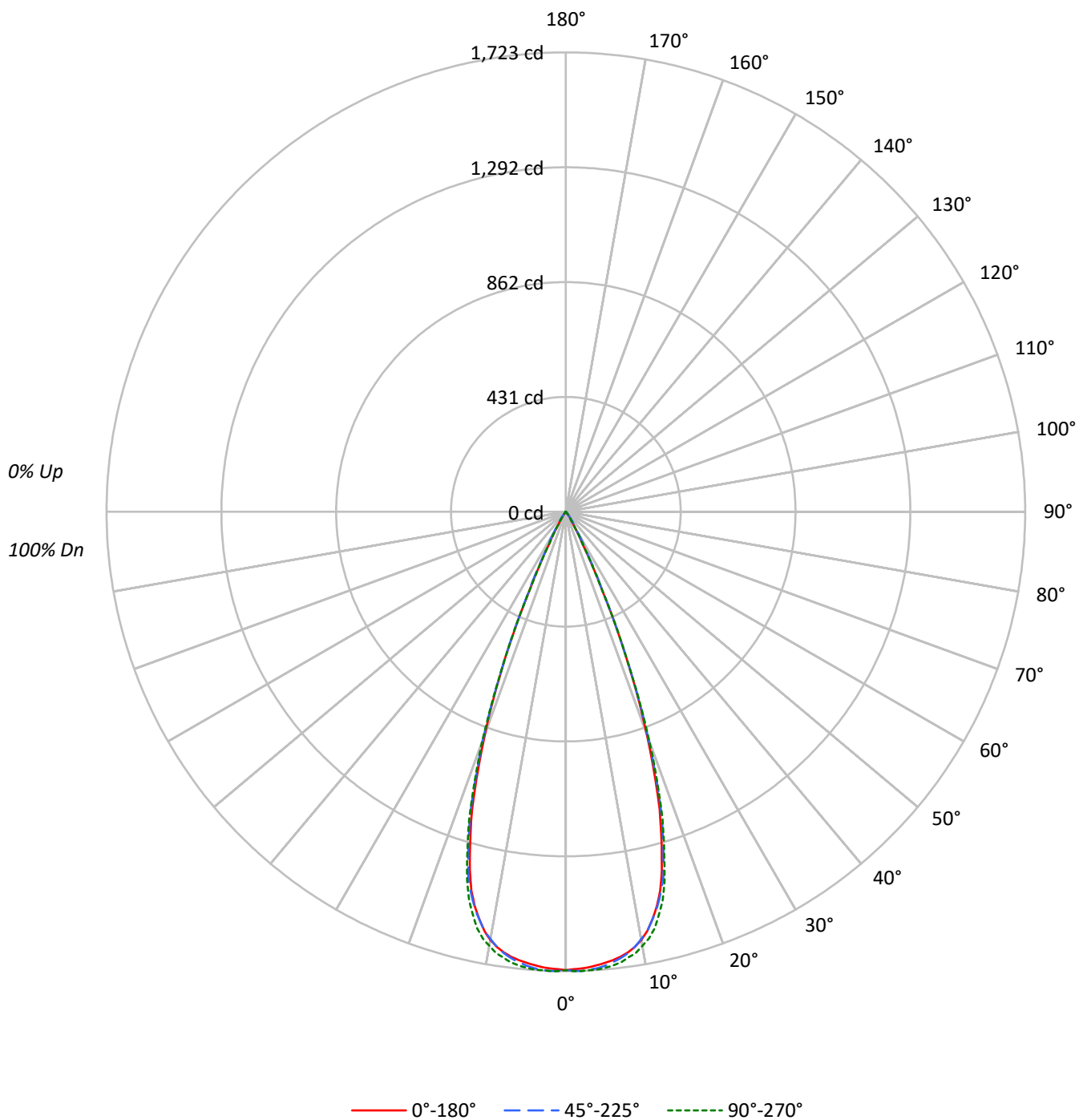
Lumens per Lamp: N/A
Luminaire Lumens: 723.0 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	296102	296102	296102
5°	293534	295384	296801
10°	285176	284651	289093
15°	248084	252078	255162
20°	162822	165993	168137
25°	58053	61436	57749
30°	12648	17102	12747
35°	4058	7064	3953
40°	1259	2181	1147
45°	122	755	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: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	22.2
10°-20°	374.4	51.8
20°-30°	167.9	23.2
30°-40°	18.1	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°	703.2	97.3
0°-40°	721.3	99.8
0°-60°	723.0	100.0
0°-90°	723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1698	1702	1709	1711	1717	160
15°	1391	1402	1414	1422	1431	370
25°	306	315	323	329	304	163
35°	19	22	34	22	19	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1719.3	1719.3	1719.3	1719.3	1719.3
1°	1715.7	1719.3	1722.4	1719.8	1723.4
2°	1714.2	1718.3	1722.9	1720.3	1723.4
3°	1710.1	1715.2	1720.3	1718.8	1721.9
4°	1704.5	1708.6	1716.3	1716.3	1720.8
5°	1697.9	1702.5	1708.6	1711.2	1716.8
6°	1690.8	1693.3	1697.9	1703.0	1710.7
7°	1681.6	1681.6	1687.2	1692.3	1702.5
8°	1668.9	1667.9	1672.0	1678.6	1687.7
9°	1653.1	1649.6	1652.6	1662.3	1676.0
10°	1630.7	1627.7	1627.7	1639.9	1653.1
11°	1601.7	1600.7	1601.2	1612.9	1630.7
12°	1562.5	1563.5	1563.5	1576.8	1598.7
13°	1518.2	1517.7	1522.3	1537.0	1551.8
14°	1464.2	1467.3	1471.9	1485.1	1500.4
15°	1391.4	1401.6	1413.8	1422.0	1431.1
17.5°	1170.0	1180.2	1197.0	1203.6	1205.6
20°	888.4	903.2	905.7	919.0	917.4
22.5°	595.7	594.7	596.7	598.2	598.7
25°	305.5	314.6	323.3	328.9	303.9
27.5°	132.9	148.7	159.9	145.1	134.4
30°	63.6	72.3	86.0	72.8	64.1
32.5°	34.6	40.2	54.5	39.7	34.1
35°	19.3	22.4	33.6	21.9	18.8
37.5°	11.2	12.2	18.3	12.2	10.7
40°	5.6	7.1	9.7	7.1	5.1
42.5°	2.0	3.6	5.1	3.6	2.0
45°	0.5	1.0	3.1	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)