

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: P1307030

Luminaire Tested: LDSQA3D09R459024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

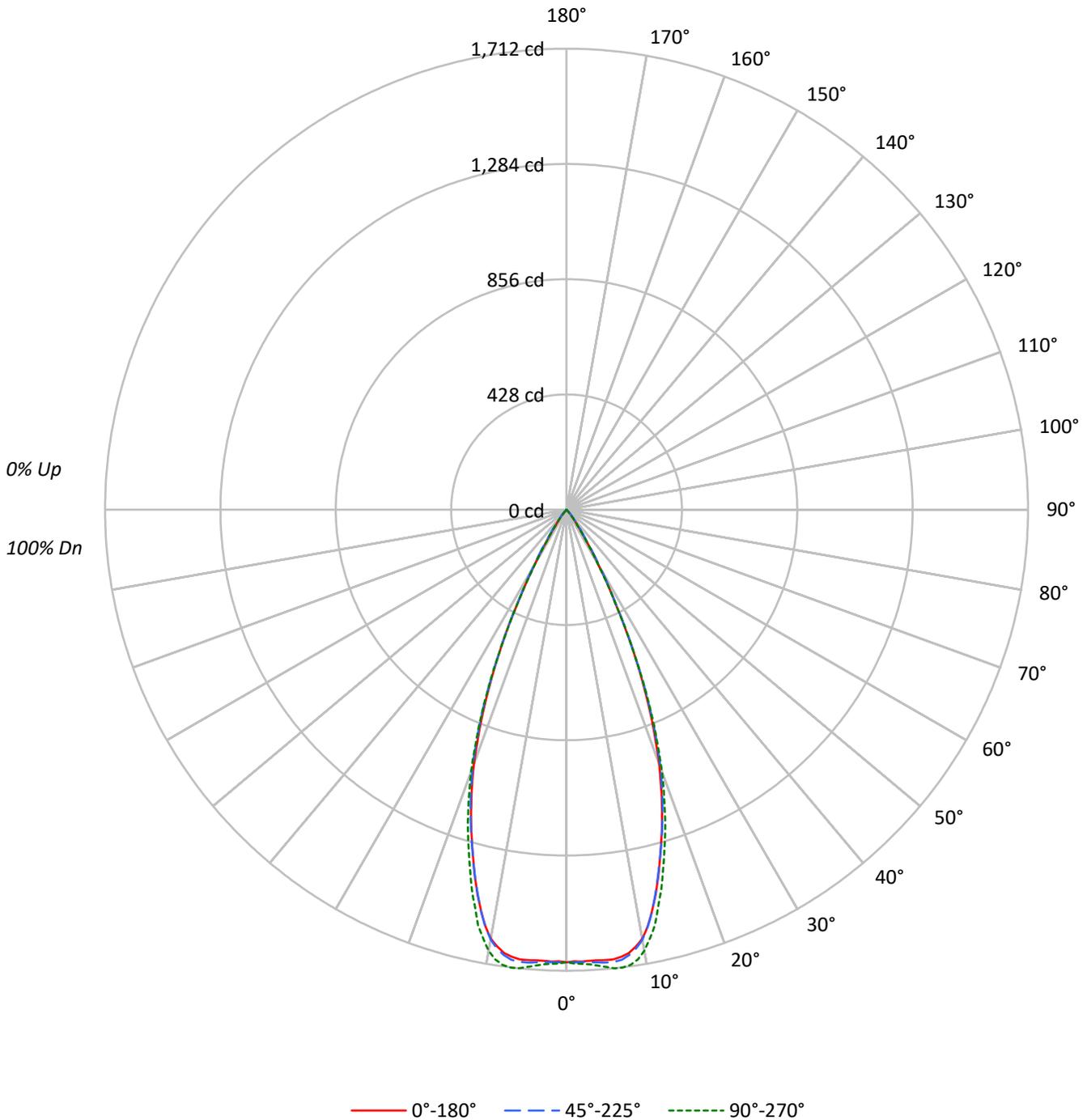
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 869.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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 (A_{in}): 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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289472	289472	289472
5°	290128	291805	294709
10°	282868	283427	290894
15°	238634	238759	246586
20°	184210	186813	189892
25°	114282	114396	115137
30°	47151	50094	46375
35°	14675	17934	14128
40°	4496	6250	4204
45°	317	2363	317
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°	160.0	18.4
10°-20°	371.9	42.8
20°-30°	272.8	31.4
30°-40°	58.6	6.7
40°-50°	5.6	0.6
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°	804.7	92.6
0°-40°	863.4	99.4
0°-60°	869.0	100.0
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1681	1681	1681	1681	1681	
5°	1678	1683	1688	1700	1705	159
15°	1338	1336	1339	1360	1383	369
25°	601	600	602	602	606	270
35°	70	75	85	73	67	55
45°	1	4	10	4	1	3
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°	1680.8	1680.8	1680.8	1680.8	1680.8
1°	1677.6	1681.4	1681.4	1684.0	1685.3
2°	1678.9	1681.4	1680.8	1685.3	1687.3
3°	1676.9	1681.4	1682.7	1687.9	1691.1
4°	1677.6	1681.4	1685.3	1693.1	1697.6
5°	1678.2	1682.7	1687.9	1699.5	1704.7
6°	1678.9	1682.1	1687.9	1702.8	1712.4
7°	1672.4	1676.9	1683.4	1702.1	1712.4
8°	1662.1	1664.6	1669.8	1694.4	1706.6
9°	1642.7	1642.0	1649.8	1676.9	1691.1
10°	1617.5	1609.7	1620.7	1647.9	1663.4
11°	1576.8	1568.4	1578.1	1607.2	1622.0
12°	1523.8	1523.8	1525.8	1551.6	1577.4
13°	1467.6	1461.2	1465.0	1494.1	1512.2
14°	1405.6	1399.2	1403.0	1425.0	1453.4
15°	1338.4	1335.9	1339.1	1360.4	1383.0
17.5°	1178.9	1173.1	1184.7	1206.0	1217.6
20°	1005.1	1014.8	1019.3	1032.9	1036.1
22.5°	805.5	815.9	822.3	824.2	826.2
25°	601.4	599.5	602.0	602.0	605.9
27.5°	395.3	395.3	402.4	397.9	393.4
30°	237.1	246.8	251.9	243.5	233.2
32.5°	129.2	138.9	147.3	135.0	126.0
35°	69.8	74.9	85.3	73.0	67.2
37.5°	38.1	42.6	49.1	41.3	38.1
40°	20.0	24.5	27.8	24.5	18.7
42.5°	6.5	12.3	16.1	12.3	5.8
45°	1.3	3.9	9.7	3.9	1.3
47.5°	0.0	0.6	4.5	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)