

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: P1308002

Luminaire Tested: LDSQA3D09R459027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308002
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: LDSQA3D09R459027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

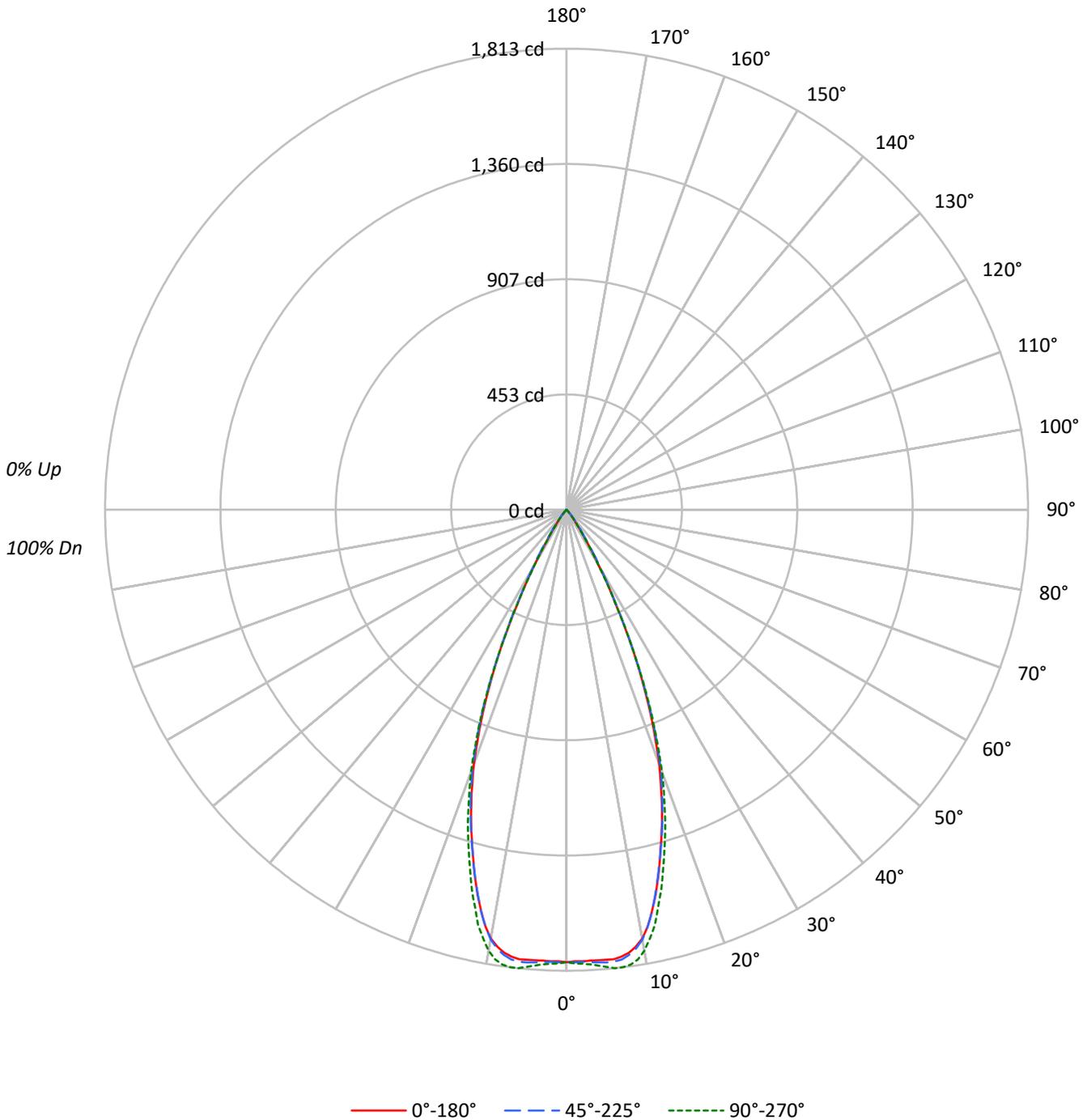
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 920.0 lumens
Efficiency: N/A
Efficacy: 82.9 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	306453	306453	306453
5°	307157	308937	311997
10°	299464	300058	307963
15°	252648	252773	261064
20°	195023	197791	201035
25°	120990	121123	121902
30°	49915	53037	49100
35°	15537	18985	14948
40°	4766	6610	4451
45°	341	2509	341
50°	0	375	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: 2509 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	18.4
10°-20°	393.8	42.8
20°-30°	288.9	31.4
30°-40°	62.1	6.7
40°-50°	5.9	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°	852.0	92.6
0°-40°	914.1	99.4
0°-60°	920.0	100.0
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1777	1782	1787	1799	1805	168
15°	1417	1414	1418	1440	1464	390
25°	637	635	637	637	642	286
35°	74	79	90	77	71	58
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°	1779.4	1779.4	1779.4	1779.4	1779.4
1°	1776.0	1780.1	1780.1	1782.9	1784.2
2°	1777.4	1780.1	1779.4	1784.2	1786.3
3°	1775.3	1780.1	1781.5	1787.0	1790.4
4°	1776.0	1780.1	1784.2	1792.4	1797.2
5°	1776.7	1781.5	1787.0	1799.3	1804.7
6°	1777.4	1780.8	1787.0	1802.7	1813.0
7°	1770.6	1775.3	1782.2	1802.0	1813.0
8°	1759.6	1762.3	1767.8	1793.8	1806.8
9°	1739.1	1738.4	1746.6	1775.3	1790.4
10°	1712.4	1704.2	1715.8	1744.6	1761.0
11°	1669.3	1660.4	1670.7	1701.5	1717.2
12°	1613.3	1613.3	1615.3	1642.7	1670.0
13°	1553.8	1546.9	1551.0	1581.8	1600.9
14°	1488.1	1481.3	1485.4	1508.6	1538.7
15°	1417.0	1414.3	1417.7	1440.2	1464.2
17.5°	1248.1	1241.9	1254.2	1276.8	1289.1
20°	1064.1	1074.4	1079.2	1093.5	1096.9
22.5°	852.8	863.7	870.6	872.6	874.7
25°	636.7	634.6	637.4	637.4	641.5
27.5°	418.5	418.5	426.1	421.3	416.5
30°	251.0	261.2	266.7	257.8	246.9
32.5°	136.8	147.0	155.9	142.9	133.4
35°	73.9	79.3	90.3	77.3	71.1
37.5°	40.3	45.1	52.0	43.8	40.3
40°	21.2	26.0	29.4	26.0	19.8
42.5°	6.8	13.0	17.1	13.0	6.2
45°	1.4	4.1	10.3	4.1	1.4
47.5°	0.0	0.7	4.8	0.7	0.0
50°	0.0	0.0	1.4	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)