

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: P1315495

Luminaire Tested: LDSQA3D09R459735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315495
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: LDSQA3D09R459735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

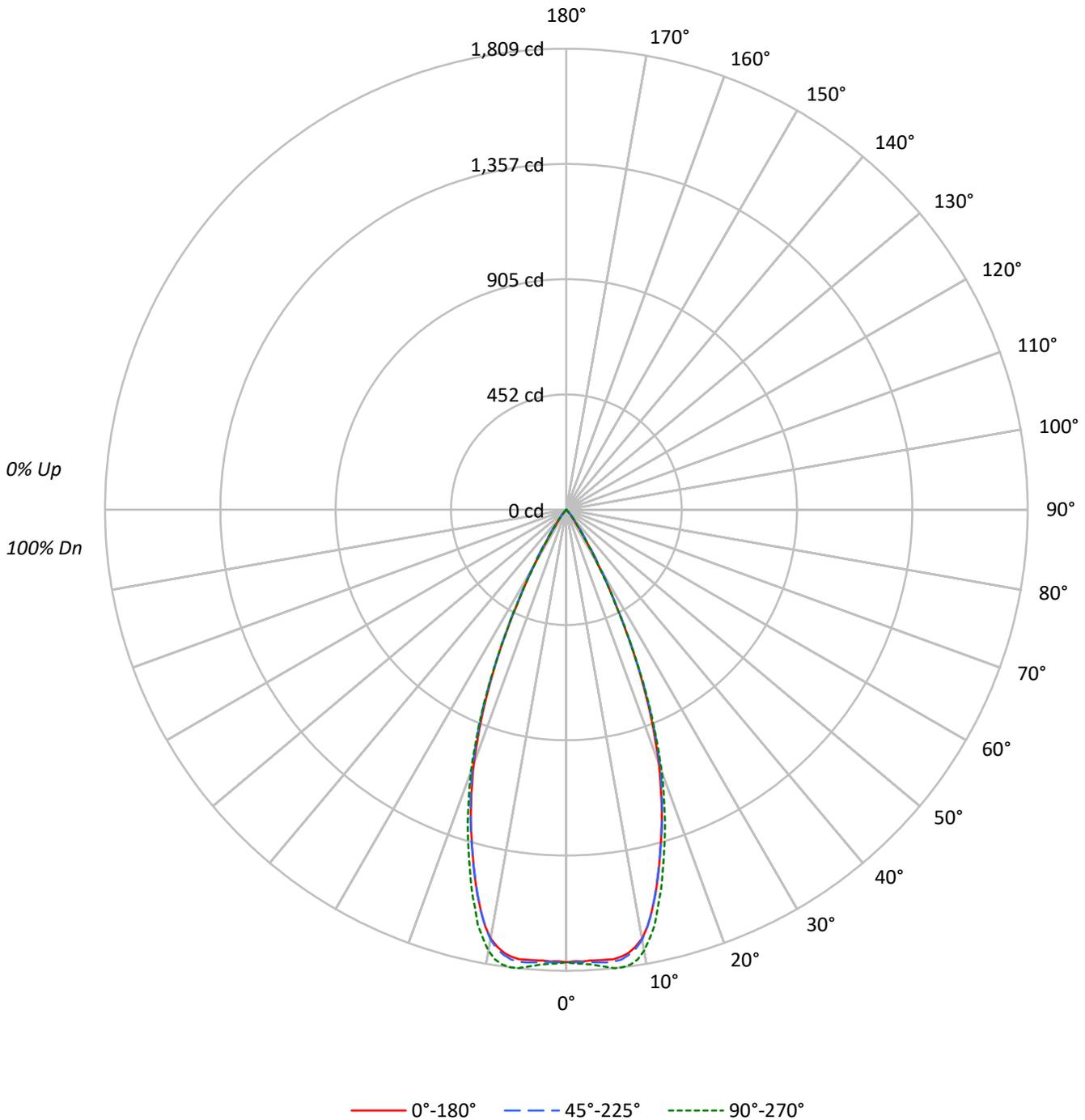
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 918.0 lumens
Efficiency: N/A
Efficacy: 82.7 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	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	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	305799	305799	305799
5°	306483	308263	311323
10°	298817	299411	307281
15°	252096	252220	260493
20°	194602	197351	200595
25°	120724	120857	121636
30°	49796	52918	48981
35°	15495	18943	14927
40°	4766	6587	4451
45°	341	2484	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: 2484 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.0	18.4
10°-20°	392.9	42.8
20°-30°	288.2	31.4
30°-40°	61.9	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°	850.1	92.6
0°-40°	912.1	99.4
0°-60°	918.0	100.0
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1776	1776	1776	1776	1776	
5°	1773	1778	1783	1795	1801	168
15°	1414	1411	1415	1437	1461	389
25°	635	633	636	636	640	285
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°	1775.6	1775.6	1775.6	1775.6	1775.6
1°	1772.2	1776.3	1776.3	1779.0	1780.3
2°	1773.5	1776.3	1775.6	1780.3	1782.4
3°	1771.5	1776.3	1777.6	1783.1	1786.5
4°	1772.2	1776.3	1780.3	1788.5	1793.3
5°	1772.8	1777.6	1783.1	1795.4	1800.8
6°	1773.5	1776.9	1783.1	1798.8	1809.0
7°	1766.7	1771.5	1778.3	1798.1	1809.0
8°	1755.8	1758.5	1764.0	1789.9	1802.9
9°	1735.3	1734.6	1742.8	1771.5	1786.5
10°	1708.7	1700.5	1712.1	1740.8	1757.1
11°	1665.7	1656.8	1667.1	1697.8	1713.5
12°	1609.8	1609.8	1611.8	1639.1	1666.4
13°	1550.4	1543.6	1547.7	1578.4	1597.5
14°	1484.9	1478.1	1482.1	1505.3	1535.4
15°	1413.9	1411.2	1414.6	1437.1	1461.0
17.5°	1245.4	1239.2	1251.5	1274.0	1286.3
20°	1061.8	1072.0	1076.8	1091.1	1094.5
22.5°	850.9	861.9	868.7	870.7	872.8
25°	635.3	633.3	636.0	636.0	640.1
27.5°	417.6	417.6	425.1	420.4	415.6
30°	250.4	260.7	266.1	257.3	246.3
32.5°	136.5	146.7	155.6	142.6	133.1
35°	73.7	79.2	90.1	77.1	71.0
37.5°	40.3	45.0	51.9	43.7	40.3
40°	21.2	25.9	29.3	25.9	19.8
42.5°	6.8	13.0	17.1	13.0	6.1
45°	1.4	4.1	10.2	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)