

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: P1307022

Luminaire Tested: LDSQA3D09R409024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

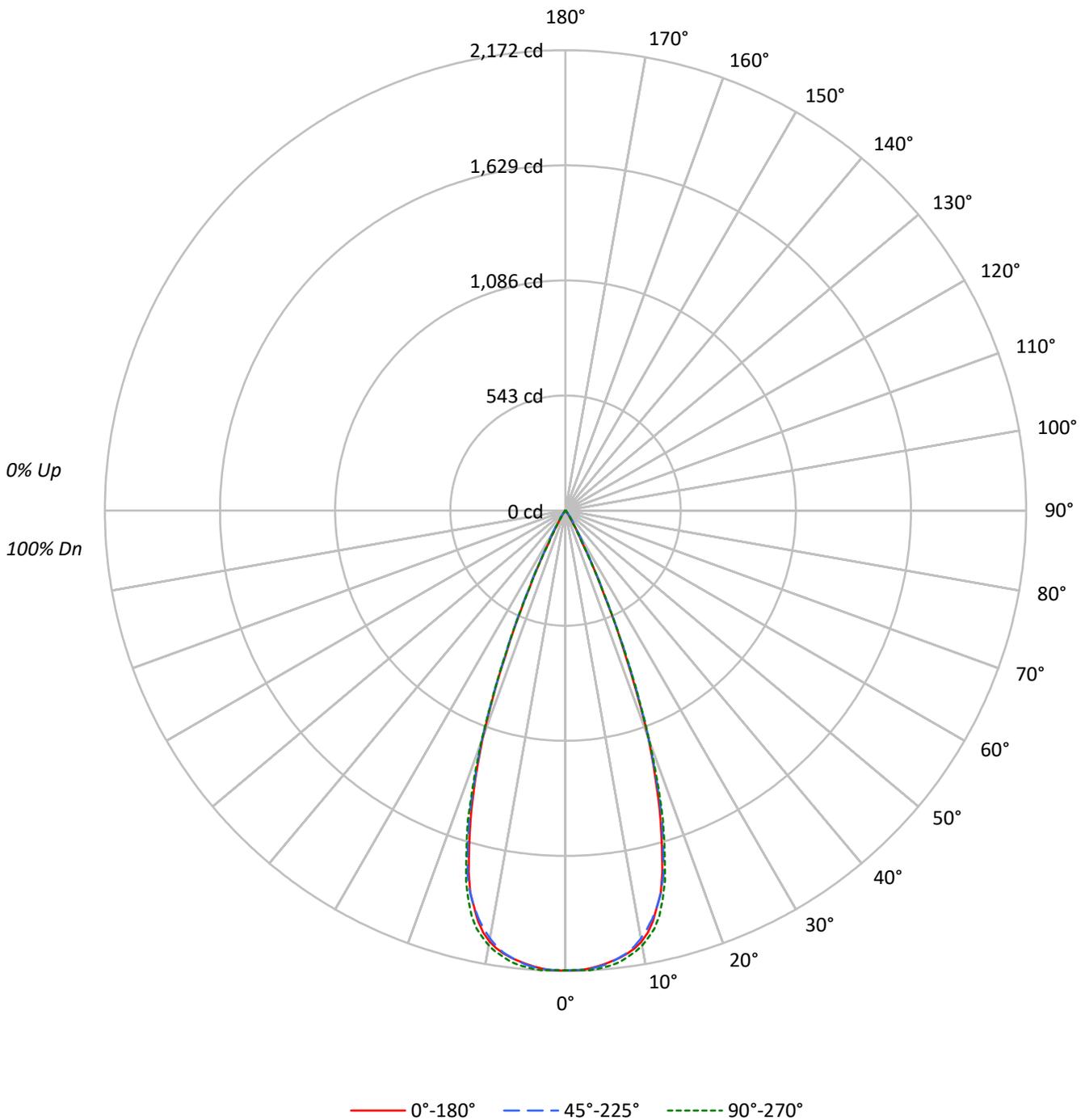
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 917.9 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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 (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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	373551	373551	373551
5°	371088	371641	373647
10°	361039	358328	364309
15°	314571	317798	322737
20°	209539	210602	212618
25°	76182	78519	76543
30°	16168	21696	16168
35°	5698	9629	5424
40°	2023	3058	2023
45°	463	1267	463
50°	348	509	348
55°	390	390	390
60°	448	448	448
65°	245	530	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	22.1
10°-20°	472.3	51.5
20°-30°	212.6	23.2
30°-40°	24.2	2.6
40°-50°	3.5	0.4
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	887.6	96.7
0°-40°	911.8	99.3
0°-60°	916.4	99.8
0°-90°	917.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2169	2169	2169	2169	2169	
5°	2146	2144	2150	2159	2161	202
15°	1764	1769	1782	1797	1810	469
25°	401	404	413	413	403	208
35°	27	30	46	29	26	20
45°	2	3	5	3	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	2169.0	2169.0	2169.0	2169.0	2169.0
1°	2170.3	2168.4	2167.8	2171.6	2168.4
2°	2168.4	2167.1	2167.8	2171.6	2169.0
3°	2162.6	2163.2	2165.2	2172.3	2171.6
4°	2155.5	2154.8	2158.7	2167.8	2167.8
5°	2146.5	2143.9	2149.7	2159.4	2161.3
6°	2136.1	2132.9	2137.4	2149.7	2154.2
7°	2124.5	2118.0	2121.9	2136.8	2142.6
8°	2109.0	2100.6	2105.1	2120.0	2124.5
9°	2089.6	2076.7	2080.6	2098.7	2107.7
10°	2064.5	2048.3	2049.0	2069.0	2083.2
11°	2029.0	2010.9	2011.5	2036.7	2051.6
12°	1981.8	1965.7	1968.9	1992.2	2016.0
13°	1917.9	1913.4	1917.3	1942.5	1964.4
14°	1856.0	1851.4	1858.5	1881.8	1892.1
15°	1764.3	1768.8	1782.4	1796.6	1810.1
17.5°	1473.8	1491.2	1507.4	1517.0	1528.7
20°	1143.3	1123.3	1149.1	1137.5	1160.1
22.5°	737.9	752.7	759.2	752.7	755.3
25°	400.9	403.5	413.2	413.2	402.8
27.5°	170.4	184.0	196.2	191.7	170.4
30°	81.3	93.6	109.1	94.3	81.3
32.5°	45.8	54.2	70.4	52.9	44.5
35°	27.1	30.3	45.8	29.0	25.8
37.5°	16.1	16.8	25.2	17.4	15.5
40°	9.0	11.0	13.6	11.0	9.0
42.5°	4.5	6.5	8.4	6.5	4.5
45°	1.9	3.2	5.2	3.2	1.9
47.5°	1.9	1.9	3.2	1.9	1.9
50°	1.3	1.3	1.9	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	0.6	1.3	1.3	1.3	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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)