

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: P1319996

Luminaire Tested: LDSQA3D09R409840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319996
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: LDSQA3D09R409840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

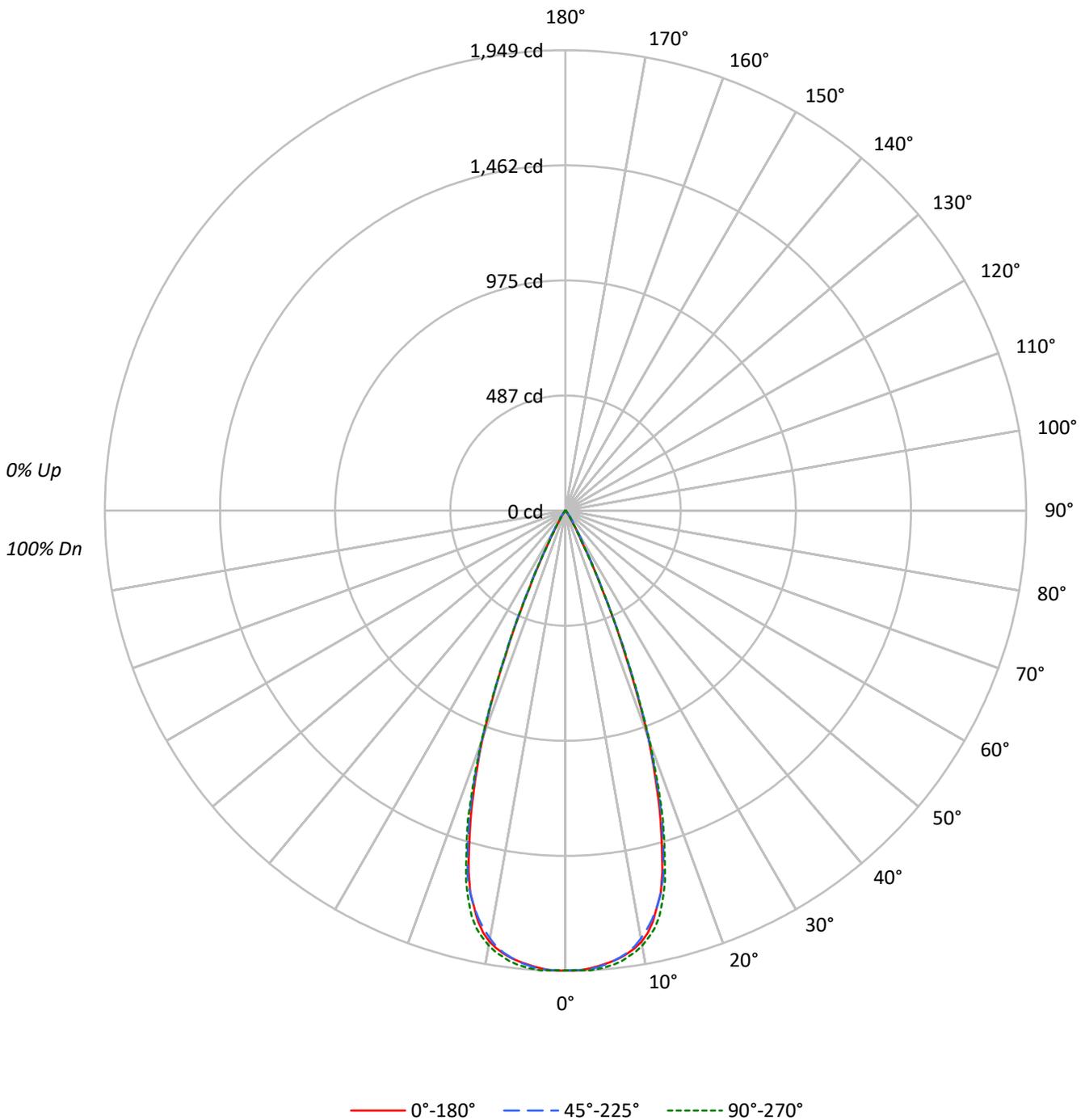
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.1 lumens
Efficiency: N/A
Efficacy: 74.9 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
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	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	335300	335300	335300
5°	333089	333590	335388
10°	324069	321638	327007
15°	282353	285259	289699
20°	188077	189030	190845
25°	68372	70462	68714
30°	14517	19469	14517
35°	5109	8641	4878
40°	1821	2743	1821
45°	414	1120	414
50°	322	455	322
55°	360	360	360
60°	413	413	413
65°	245	489	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: 1120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	22.1
10°-20°	424.0	51.4
20°-30°	190.8	23.2
30°-40°	21.7	2.6
40°-50°	3.1	0.4
50°-60°	1.1	0.1
60°-70°	0.9	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°	796.7	96.7
0°-40°	818.4	99.3
0°-60°	822.6	99.8
0°-90°	824.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1927	1924	1930	1938	1940	182
15°	1584	1588	1600	1613	1625	421
25°	360	362	371	371	362	186
35°	24	27	41	26	23	18
45°	2	3	5	3	2	2
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°	1946.9	1946.9	1946.9	1946.9	1946.9
1°	1948.1	1946.4	1945.8	1949.3	1946.4
2°	1946.4	1945.2	1945.8	1949.3	1946.9
3°	1941.1	1941.7	1943.5	1949.8	1949.3
4°	1934.8	1934.2	1937.7	1945.8	1945.8
5°	1926.7	1924.3	1929.6	1938.3	1940.0
6°	1917.4	1914.5	1918.5	1929.6	1933.6
7°	1907.0	1901.2	1904.6	1918.0	1923.2
8°	1893.1	1885.5	1889.6	1902.9	1907.0
9°	1875.7	1864.1	1867.6	1883.8	1891.9
10°	1853.1	1838.6	1839.2	1857.1	1869.9
11°	1821.2	1805.0	1805.6	1828.2	1841.5
12°	1778.9	1764.4	1767.3	1788.2	1809.6
13°	1721.5	1717.5	1721.0	1743.6	1763.3
14°	1665.9	1661.9	1668.2	1689.1	1698.4
15°	1583.6	1587.7	1599.9	1612.6	1624.8
17.5°	1322.9	1338.5	1353.0	1361.7	1372.1
20°	1026.2	1008.2	1031.4	1021.0	1041.3
22.5°	662.3	675.6	681.4	675.6	678.0
25°	359.8	362.2	370.8	370.8	361.6
27.5°	153.0	165.1	176.2	172.1	153.0
30°	73.0	84.0	97.9	84.6	73.0
32.5°	41.1	48.7	63.2	47.5	40.0
35°	24.3	27.2	41.1	26.1	23.2
37.5°	14.5	15.1	22.6	15.6	13.9
40°	8.1	9.9	12.2	9.9	8.1
42.5°	4.1	5.8	7.5	5.8	4.1
45°	1.7	2.9	4.6	2.9	1.7
47.5°	1.7	1.7	2.9	1.7	1.7
50°	1.2	1.2	1.7	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	1.2	1.2	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)