

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: P1319995

Luminaire Tested: LDSQA3D09R409840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

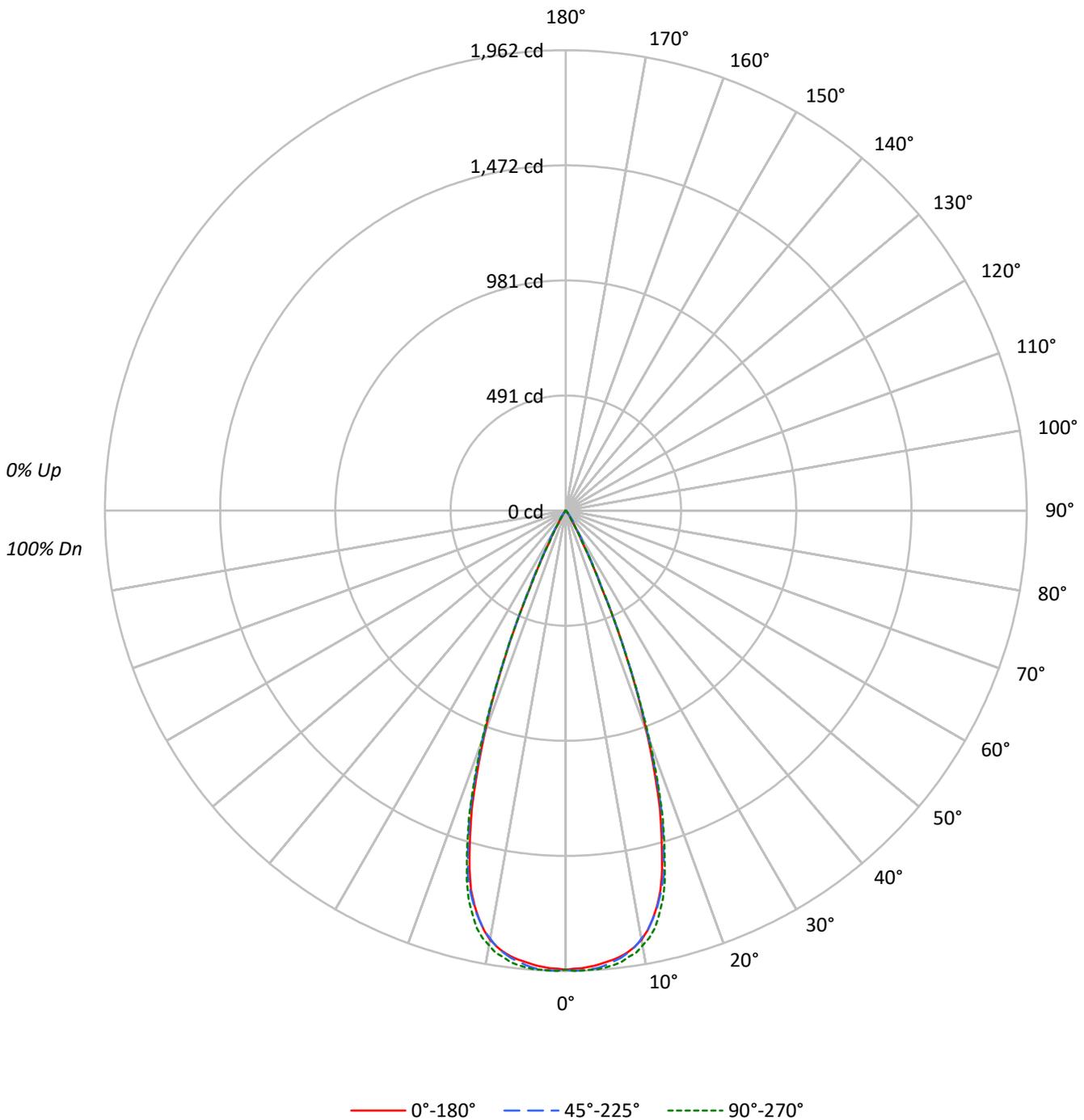
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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 (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

TEST NUMBER: P1319995
CATALOG NUMBER: LDSQA3D09R409840DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1319995

CATALOG NUMBER: LDSQA3D09R409840DE010 3LSQCDR1MMS

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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	337057	337057	337057
5°	334143	336235	337843
10°	324629	324017	329088
15°	282406	286953	290465
20°	185347	188957	191395
25°	66072	69930	65749
30°	14398	19469	14517
35°	4625	8031	4499
40°	1439	2473	1304
45°	146	852	146
50°	0	161	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: 852 cd/sqm



TEST NUMBER: P1319995

CATALOG NUMBER: LDSQA3D09R409840DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	22.2
10°-20°	426.2	51.8
20°-30°	191.2	23.2
30°-40°	20.6	2.5
40°-50°	1.9	0.2
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°	800.4	97.3
0°-40°	821.1	99.8
0°-60°	823.0	100.0
0°-90°	823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1933	1938	1945	1948	1954	182
15°	1584	1596	1609	1619	1629	421
25°	348	358	368	374	346	186
35°	22	26	38	25	21	17
45°	1	1	4	1	1	1
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



TEST NUMBER: P1319995

CATALOG NUMBER: LDSQA3D09R409840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1957.1	1957.1	1957.1	1957.1	1957.1
1°	1953.1	1957.1	1960.6	1957.7	1961.8
2°	1951.3	1956.0	1961.2	1958.3	1961.8
3°	1946.7	1952.5	1958.3	1956.5	1960.0
4°	1940.3	1944.9	1953.6	1953.6	1958.9
5°	1932.8	1938.0	1944.9	1947.8	1954.2
6°	1924.7	1927.6	1932.8	1938.6	1947.3
7°	1914.2	1914.2	1920.6	1926.4	1938.0
8°	1899.7	1898.6	1903.2	1910.8	1921.2
9°	1881.8	1877.7	1881.2	1892.2	1907.9
10°	1856.3	1852.8	1852.8	1866.7	1881.8
11°	1823.2	1822.1	1822.7	1836.0	1856.3
12°	1778.6	1779.8	1779.8	1794.8	1819.8
13°	1728.2	1727.6	1732.8	1749.6	1766.4
14°	1666.8	1670.2	1675.5	1690.5	1707.9
15°	1583.9	1595.5	1609.4	1618.7	1629.1
17.5°	1331.8	1343.4	1362.5	1370.0	1372.4
20°	1011.3	1028.1	1031.0	1046.1	1044.3
22.5°	678.1	676.9	679.2	681.0	681.5
25°	347.7	358.2	368.0	374.4	346.0
27.5°	151.3	169.2	182.0	165.2	153.0
30°	72.4	82.3	97.9	82.9	73.0
32.5°	39.4	45.8	62.0	45.2	38.8
35°	22.0	25.5	38.2	24.9	21.4
37.5°	12.7	13.9	20.9	13.9	12.2
40°	6.4	8.1	11.0	8.1	5.8
42.5°	2.3	4.1	5.8	4.1	2.3
45°	0.6	1.2	3.5	1.2	0.6
47.5°	0.0	0.0	1.7	0.0	0.0
50°	0.0	0.0	0.6	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



TEST NUMBER: P1319995
CATALOG NUMBER: LDSQA3D09R409840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)