

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: P1319119

Luminaire Tested: LDSQA3D09R409835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319119
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: LDSQA3D09R409835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

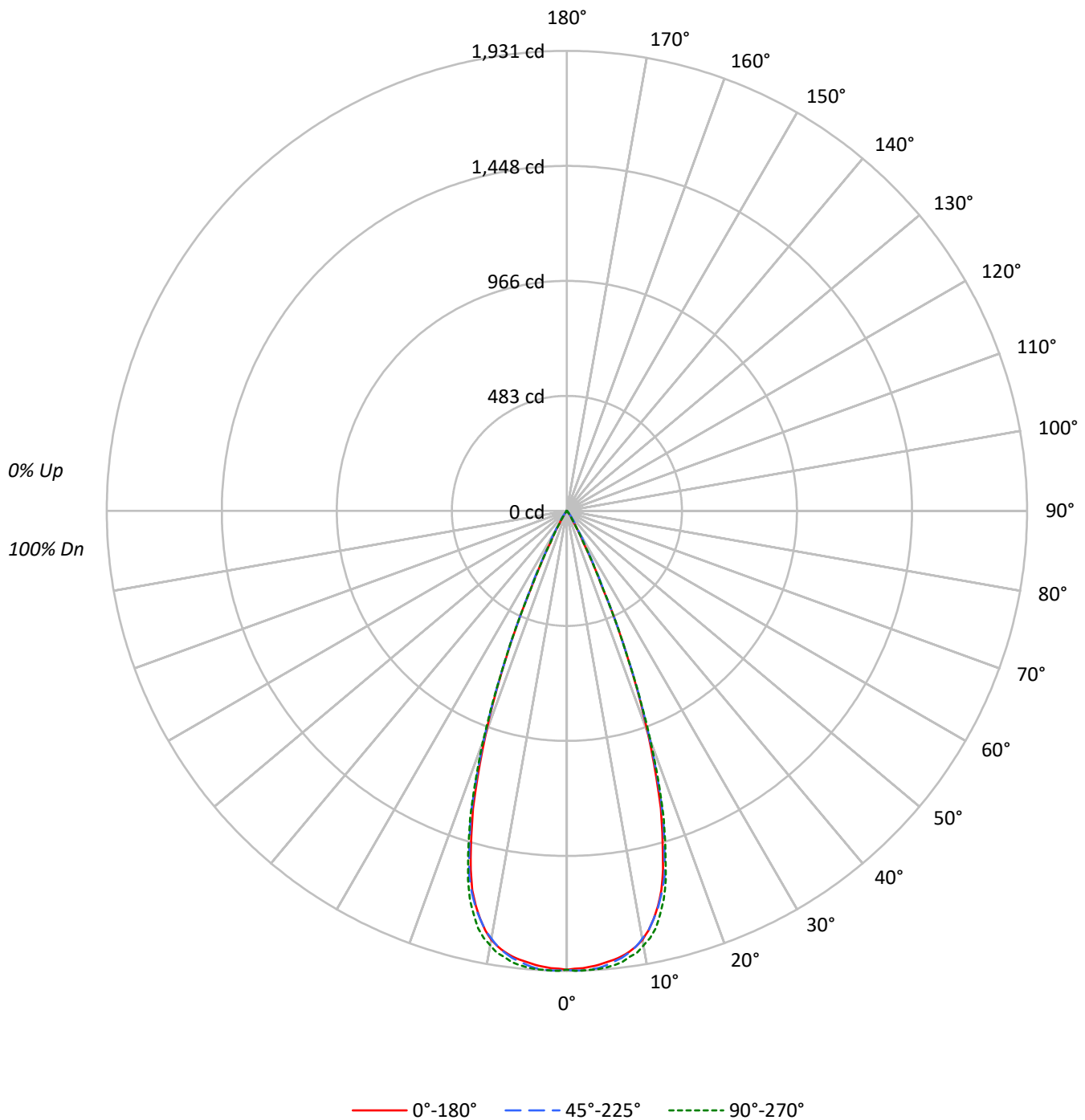
Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319119

CATALOG NUMBER: LDSQA3D09R409835DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1319119

CATALOG NUMBER: LDSQA3D09R409835DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	331735	331735	331735
5°	328853	330928	332518
10°	319505	318893	323894
15°	277949	282424	285883
20°	182414	185970	188371
25°	65027	68828	64704
30°	14179	19171	14298
35°	4562	7905	4436
40°	1416	2428	1281
45°	146	828	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: 828 cd/sqm

TEST NUMBER: P1319119

CATALOG NUMBER: LDSQA3D09R409835DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	22.2
10°-20°	419.5	51.8
20°-30°	188.2	23.2
30°-40°	20.3	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°	787.8	97.3
0°-40°	808.1	99.8
0°-60°	810.0	100.0
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1926	1926	1926	1926	1926	
5°	1902	1907	1914	1917	1923	179
15°	1559	1570	1584	1593	1603	414
25°	342	352	362	368	340	183
35°	22	25	38	24	21	17
45°	1	1	3	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	

TEST NUMBER: P1319119

CATALOG NUMBER: LDSQA3D09R409835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1926.2	1926.2	1926.2	1926.2	1926.2
1°	1922.2	1926.2	1929.6	1926.8	1930.8
2°	1920.5	1925.1	1930.2	1927.3	1930.8
3°	1915.9	1921.6	1927.3	1925.6	1929.1
4°	1909.7	1914.2	1922.8	1922.8	1927.9
5°	1902.2	1907.4	1914.2	1917.1	1923.4
6°	1894.3	1897.1	1902.2	1907.9	1916.5
7°	1884.0	1884.0	1890.3	1896.0	1907.4
8°	1869.7	1868.6	1873.2	1880.6	1890.8
9°	1852.1	1848.1	1851.5	1862.3	1877.7
10°	1827.0	1823.5	1823.5	1837.2	1852.1
11°	1794.4	1793.3	1793.9	1807.0	1827.0
12°	1750.5	1751.7	1751.7	1766.5	1791.0
13°	1700.9	1700.3	1705.5	1722.0	1738.5
14°	1640.4	1643.9	1649.0	1663.8	1680.9
15°	1558.9	1570.3	1584.0	1593.1	1603.4
17.5°	1310.8	1322.2	1341.0	1348.4	1350.7
20°	995.3	1011.9	1014.7	1029.6	1027.8
22.5°	667.4	666.2	668.5	670.2	670.8
25°	342.2	352.5	362.2	368.5	340.5
27.5°	148.9	166.6	179.1	162.6	150.6
30°	71.3	81.0	96.4	81.6	71.9
32.5°	38.8	45.1	61.0	44.5	38.2
35°	21.7	25.1	37.6	24.5	21.1
37.5°	12.5	13.7	20.5	13.7	12.0
40°	6.3	8.0	10.8	8.0	5.7
42.5°	2.3	4.0	5.7	4.0	2.3
45°	0.6	1.1	3.4	1.1	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: P1319119

CATALOG NUMBER: LDSQA3D09R409835DE010 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)