

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: P1312433

Luminaire Tested: LDSQA3D09R459050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312433
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: LDSQA3D09R459050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

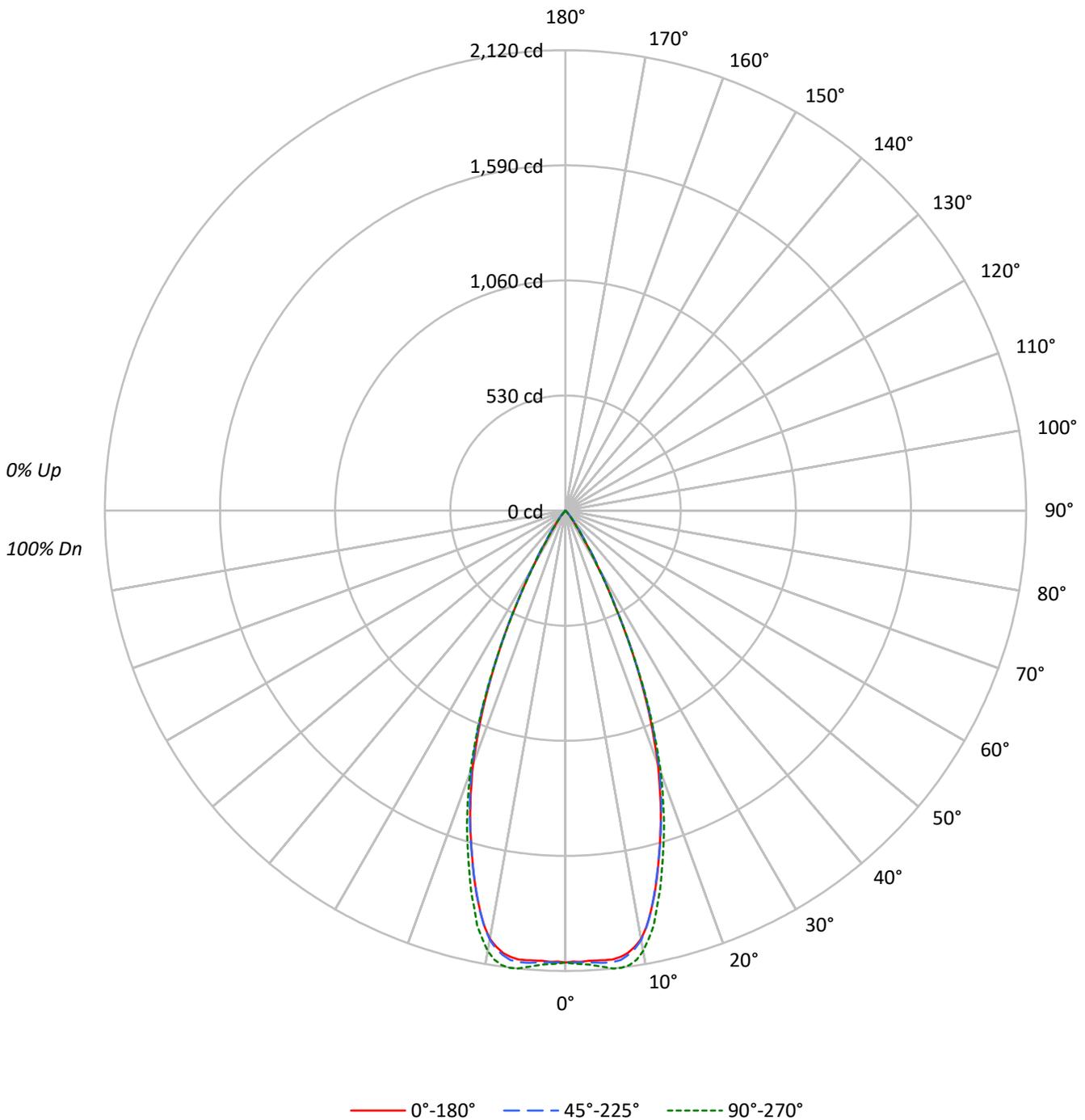
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1076.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

TEST NUMBER: P1312433
CATALOG NUMBER: LDSQA3D09R459050DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312433

CATALOG NUMBER: LDSQA3D09R459050DE010 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	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	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	358430	358430	358430
5°	359246	361320	364916
10°	350249	350948	360182
15°	295493	295636	305317
20°	228086	231312	235124
25°	141494	141646	142558
30°	58367	62026	57412
35°	18165	22202	17492
40°	5576	7734	5216
45°	390	2923	390
50°	0	429	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: 2923 cd/sqm



TEST NUMBER: P1312433

CATALOG NUMBER: LDSQA3D09R459050DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	18.4
10°-20°	460.5	42.8
20°-30°	337.8	31.4
30°-40°	72.6	6.7
40°-50°	6.9	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°	996.4	92.6
0°-40°	1069.1	99.4
0°-60°	1076.0	100.0
0°-90°	1076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2081	2081	2081	2081	2081	
5°	2078	2084	2090	2104	2111	197
15°	1657	1654	1658	1684	1712	456
25°	745	742	745	745	750	334
35°	86	93	106	90	83	68
45°	2	5	12	5	2	4
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: P1312433
 CATALOG NUMBER: LDSQA3D09R459050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2081.2	2081.2	2081.2	2081.2	2081.2
1°	2077.2	2082.0	2082.0	2085.2	2086.8
2°	2078.8	2082.0	2081.2	2086.8	2089.2
3°	2076.4	2082.0	2083.6	2090.0	2094.0
4°	2077.2	2082.0	2086.8	2096.4	2102.0
5°	2078.0	2083.6	2090.0	2104.4	2110.8
6°	2078.8	2082.8	2090.0	2108.4	2120.4
7°	2070.8	2076.4	2084.4	2107.6	2120.4
8°	2058.0	2061.2	2067.6	2098.0	2113.2
9°	2034.0	2033.2	2042.8	2076.4	2094.0
10°	2002.8	1993.2	2006.8	2040.4	2059.6
11°	1952.4	1942.0	1954.0	1990.0	2008.4
12°	1886.8	1886.8	1889.2	1921.2	1953.2
13°	1817.2	1809.2	1814.0	1850.0	1872.4
14°	1740.4	1732.4	1737.2	1764.4	1799.6
15°	1657.3	1654.1	1658.1	1684.5	1712.4
17.5°	1459.7	1452.5	1466.9	1493.3	1507.7
20°	1244.5	1256.5	1262.1	1278.9	1282.9
22.5°	997.4	1010.2	1018.2	1020.6	1023.0
25°	744.6	742.2	745.4	745.4	750.2
27.5°	489.5	489.5	498.3	492.7	487.1
30°	293.5	305.5	311.9	301.5	288.7
32.5°	160.0	172.0	182.4	167.2	156.0
35°	86.4	92.8	105.6	90.4	83.2
37.5°	47.2	52.8	60.8	51.2	47.2
40°	24.8	30.4	34.4	30.4	23.2
42.5°	8.0	15.2	20.0	15.2	7.2
45°	1.6	4.8	12.0	4.8	1.6
47.5°	0.0	0.8	5.6	0.8	0.0
50°	0.0	0.0	1.6	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: P1312433
CATALOG NUMBER: LDSQA3D09R459050DE010 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)