

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: P1311357

Luminaire Tested: LDSQA3D09R459040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

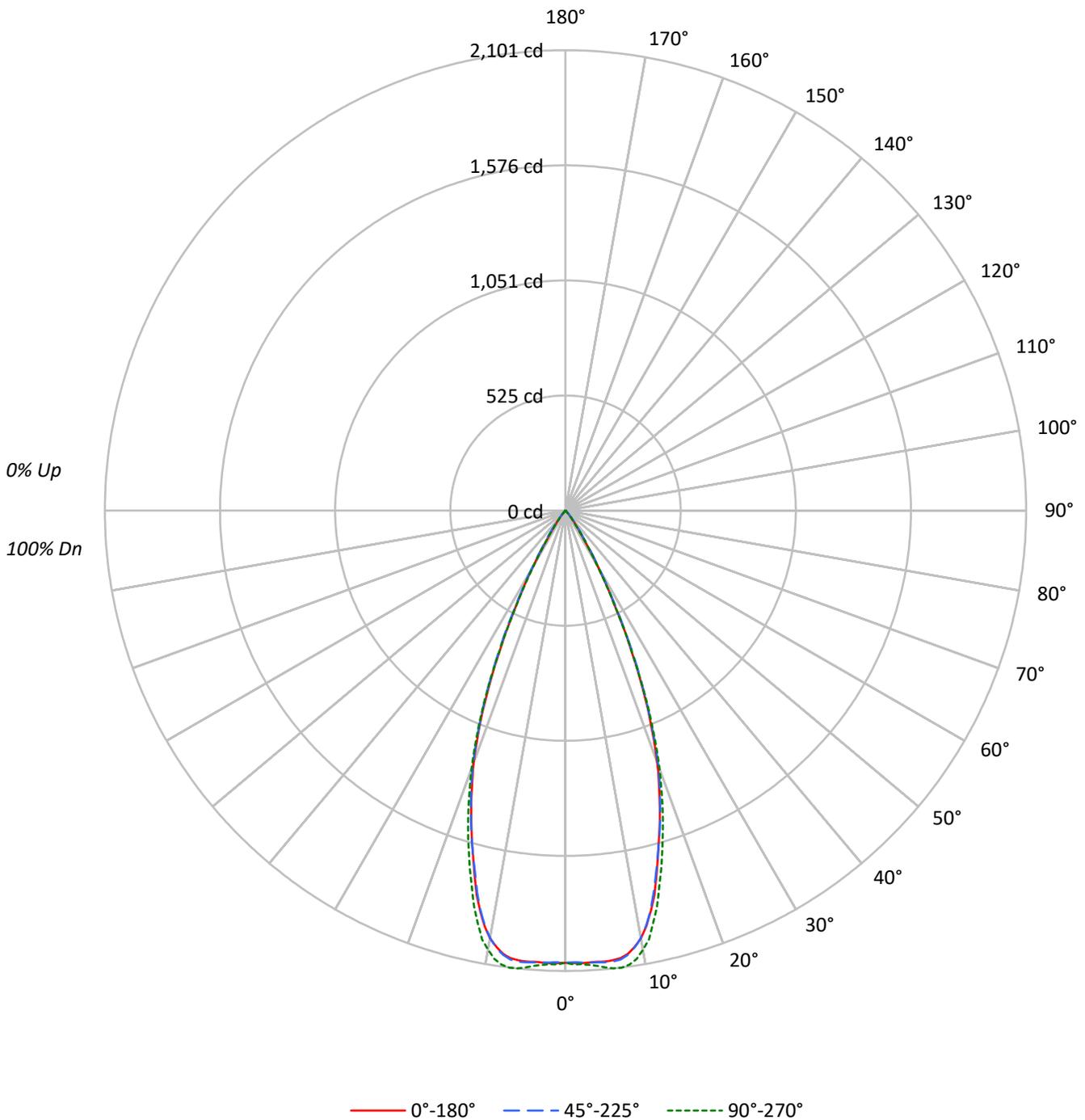
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1068.1 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 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 (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

TEST NUMBER: P1311357
CATALOG NUMBER: LDSQA3D09R459040DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1311357

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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	355381	355381	355381
5°	357154	357828	361908
10°	346541	346279	355915
15°	290430	290287	300967
20°	224512	226822	230011
25°	137636	140487	137940
30°	59023	61688	57154
35°	18544	22349	18039
40°	6362	8139	6205
45°	1145	3459	950
50°	643	1259	643
55°	721	721	721
60°	551	551	551
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3459 cd/sqm



TEST NUMBER: P1311357

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	18.4
10°-20°	453.2	42.4
20°-30°	331.8	31.1
30°-40°	73.3	6.9
40°-50°	9.0	0.8
50°-60°	2.1	0.2
60°-70°	1.5	0.1
70°-80°	0.9	0.1
80°-90°	0.1	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°	981.1	91.9
0°-40°	1054.4	98.7
0°-60°	1065.6	99.8
0°-90°	1068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2066	2064	2070	2085	2093	195
15°	1629	1620	1628	1668	1688	449
25°	724	724	739	734	726	328
35°	88	93	106	93	86	70
45°	5	8	14	8	4	6
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D09R459040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2063.5	2063.5	2063.5	2063.5	2063.5
1°	2065.1	2061.9	2061.2	2066.7	2070.6
2°	2066.7	2062.7	2063.5	2069.0	2071.4
3°	2065.1	2061.2	2065.1	2073.0	2076.1
4°	2064.3	2062.7	2066.7	2077.7	2083.2
5°	2065.9	2064.3	2069.8	2084.8	2093.4
6°	2063.5	2061.2	2069.0	2087.9	2100.5
7°	2058.0	2055.6	2064.3	2087.1	2101.3
8°	2043.1	2038.3	2047.0	2075.3	2092.7
9°	2016.3	2010.0	2018.6	2051.7	2072.2
10°	1981.6	1974.6	1980.1	2012.3	2035.2
11°	1932.0	1922.6	1928.9	1963.5	1993.5
12°	1869.1	1855.7	1863.5	1902.9	1924.2
13°	1800.6	1788.0	1789.5	1825.0	1854.9
14°	1715.5	1699.0	1706.1	1743.1	1766.7
15°	1628.9	1620.3	1628.1	1667.5	1688.0
17.5°	1430.5	1429.7	1436.8	1466.0	1477.0
20°	1225.0	1227.4	1237.6	1253.4	1255.0
22.5°	981.8	982.6	993.6	1004.6	1002.2
25°	724.3	723.5	739.3	733.8	725.9
27.5°	480.3	483.4	497.6	487.3	479.5
30°	296.8	303.1	310.2	297.6	287.4
32.5°	160.6	170.8	181.1	170.1	159.8
35°	88.2	92.9	106.3	92.9	85.8
37.5°	51.2	53.5	62.2	53.5	48.8
40°	28.3	32.3	36.2	32.3	27.6
42.5°	11.8	18.1	22.0	18.1	11.8
45°	4.7	7.9	14.2	7.9	3.9
47.5°	2.4	3.1	8.7	3.1	2.4
50°	2.4	2.4	4.7	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	1.6	1.6	1.6	2.4	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	1.6	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
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: P1311357
CATALOG NUMBER: LDSQA3D09R459040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)