

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: P1310239

Luminaire Tested: LDSQA3D09R459035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310239
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: LDSQA3D09R459035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

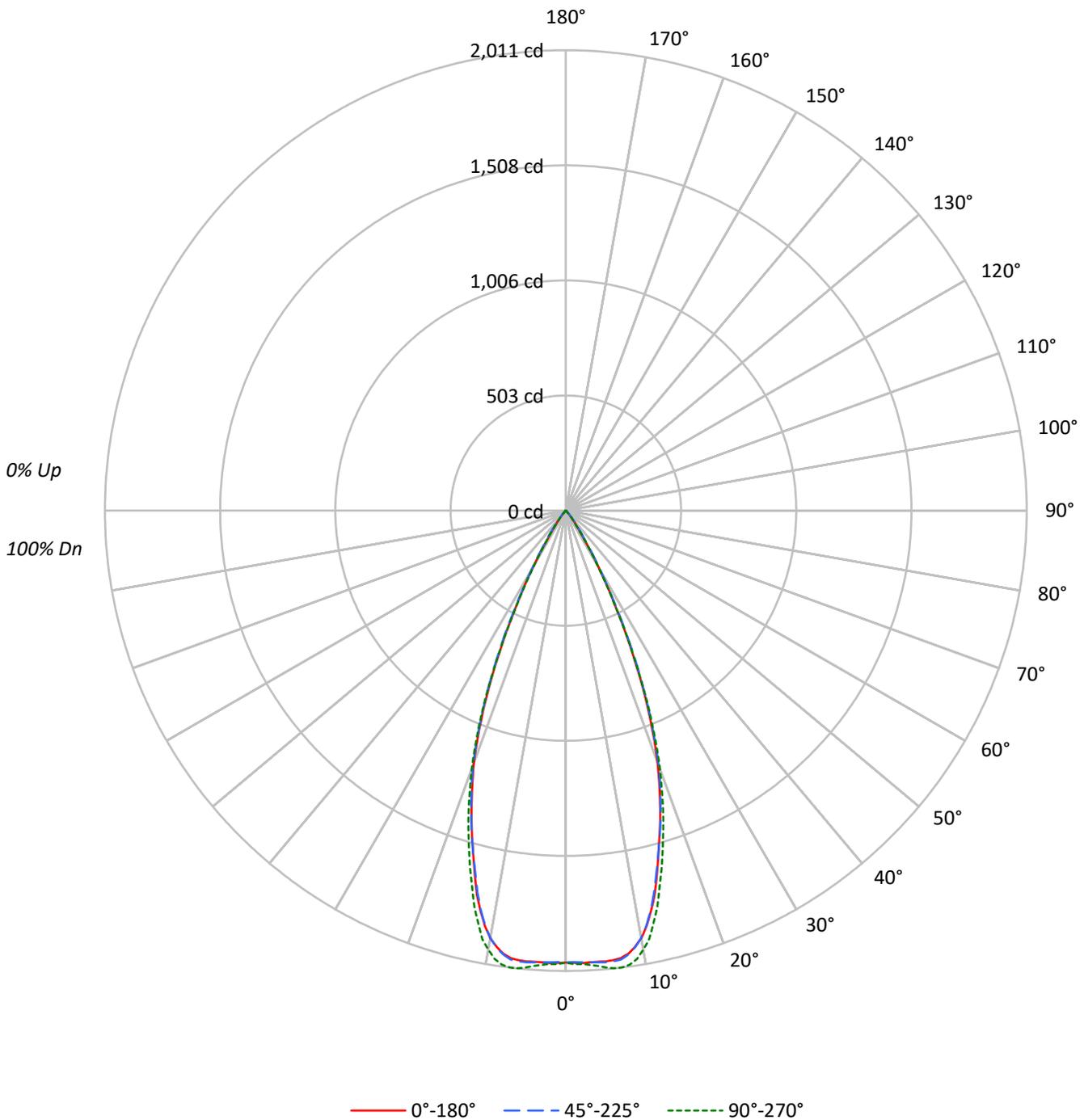
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1022.1 lumens
Efficiency: N/A
Efficacy: 92.1 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

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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	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	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	340071	340071	340071
5°	341767	342424	346332
10°	331624	331362	340578
15°	277931	277788	288005
20°	214854	217053	220096
25°	131707	134425	131993
30°	56478	59023	54688
35°	17745	21382	17261
40°	6093	7801	5935
45°	1096	3312	926
50°	616	1206	616
55°	691	691	691
60°	517	517	517
65°	611	611	611
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: 3312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	18.4
10°-20°	433.7	42.4
20°-30°	317.5	31.1
30°-40°	70.1	6.9
40°-50°	8.6	0.8
50°-60°	2.1	0.2
60°-70°	1.4	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°	938.9	91.9
0°-40°	1009.0	98.7
0°-60°	1019.7	99.8
0°-90°	1022.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1975	1975	1975	1975	1975	
5°	1977	1975	1981	1995	2003	187
15°	1559	1550	1558	1596	1615	430
25°	693	692	707	702	695	314
35°	84	89	102	89	82	67
45°	4	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1974.6	1974.6	1974.6	1974.6	1974.6
1°	1976.2	1973.1	1972.4	1977.7	1981.4
2°	1977.7	1973.9	1974.6	1979.9	1982.2
3°	1976.2	1972.4	1976.2	1983.7	1986.7
4°	1975.4	1973.9	1977.7	1988.2	1993.5
5°	1976.9	1975.4	1980.7	1995.0	2003.3
6°	1974.6	1972.4	1979.9	1998.0	2010.1
7°	1969.4	1967.1	1975.4	1997.2	2010.8
8°	1955.1	1950.5	1958.8	1985.9	2002.5
9°	1929.4	1923.4	1931.7	1963.3	1982.9
10°	1896.3	1889.5	1894.8	1925.7	1947.5
11°	1848.8	1839.8	1845.8	1879.0	1907.6
12°	1788.6	1775.7	1783.3	1821.0	1841.3
13°	1723.0	1711.0	1712.5	1746.4	1775.0
14°	1641.6	1625.8	1632.6	1668.0	1690.6
15°	1558.8	1550.5	1558.0	1595.7	1615.3
17.5°	1368.9	1368.2	1374.9	1402.8	1413.4
20°	1172.3	1174.5	1184.3	1199.4	1200.9
22.5°	939.5	940.2	950.8	961.3	959.1
25°	693.1	692.4	707.4	702.2	694.6
27.5°	459.6	462.6	476.1	466.4	458.8
30°	284.0	290.1	296.8	284.8	275.0
32.5°	153.7	163.5	173.3	162.7	152.9
35°	84.4	88.9	101.7	88.9	82.1
37.5°	49.0	51.2	59.5	51.2	46.7
40°	27.1	30.9	34.7	30.9	26.4
42.5°	11.3	17.3	21.1	17.3	11.3
45°	4.5	7.5	13.6	7.5	3.8
47.5°	2.3	3.0	8.3	3.0	2.3
50°	2.3	2.3	4.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	1.5	1.5	1.5	2.3	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.8	0.8	0.8	1.5	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



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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)