

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: P1310237

Luminaire Tested: LDSQA3D09R459035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310237
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: LDSQA3D09R459035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

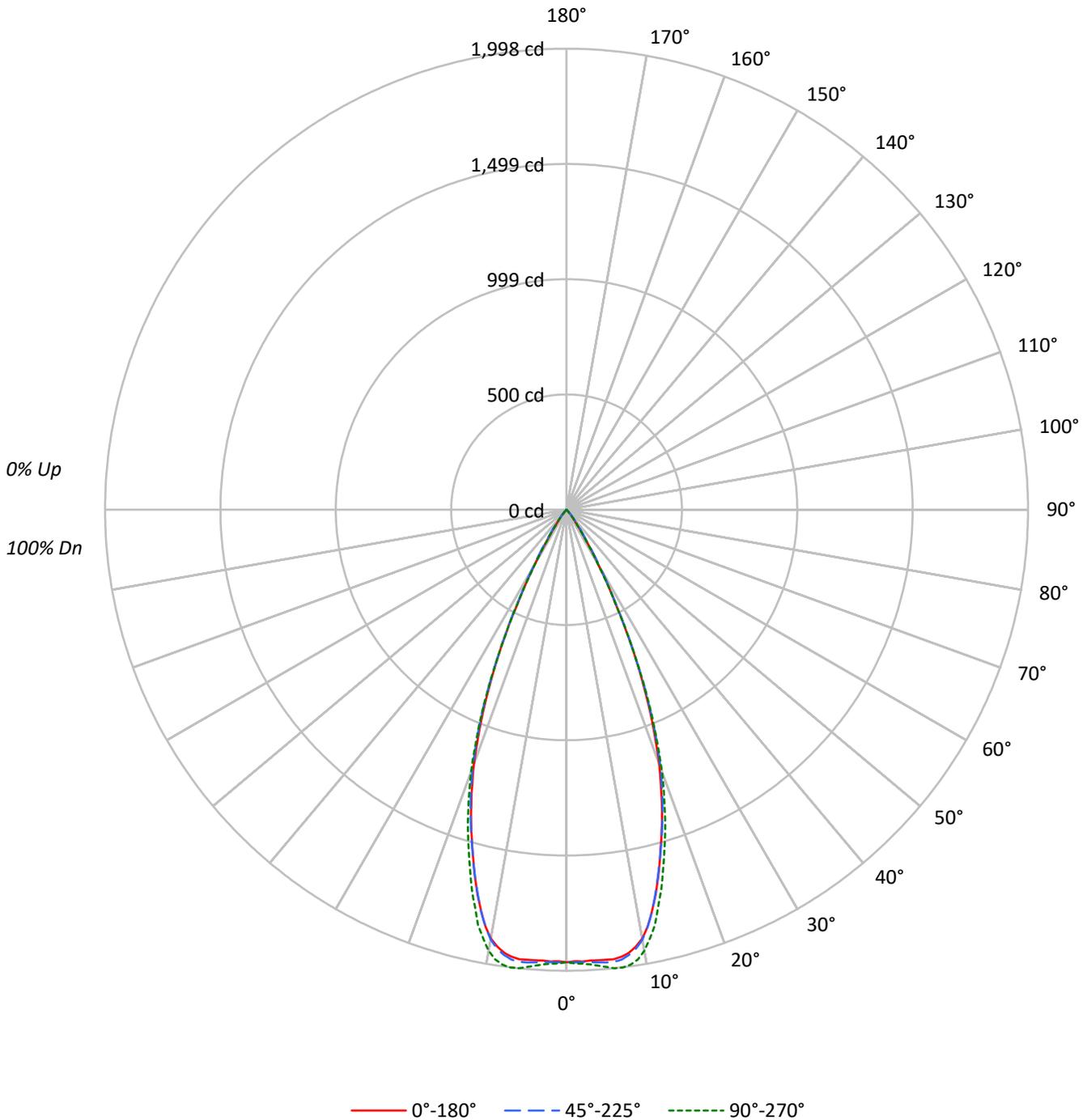
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 91.4 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

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	337780	337780	337780
5°	338535	340488	343877
10°	330067	330732	339424
15°	278466	278591	287737
20°	214946	217988	221580
25°	133342	133494	134349
30°	55006	58466	54111
35°	17114	20919	16483
40°	5261	7284	4924
45°	365	2752	365
50°	0	402	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: 2752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	18.4
10°-20°	434.0	42.8
20°-30°	318.4	31.4
30°-40°	68.4	6.7
40°-50°	6.5	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°	939.0	92.6
0°-40°	1007.4	99.4
0°-60°	1014.0	100.0
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1961	1961	1961	1961	1961	
5°	1958	1964	1970	1983	1989	185
15°	1562	1559	1562	1587	1614	430
25°	702	700	702	702	707	315
35°	81	87	100	85	78	64
45°	2	4	11	4	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1961.3	1961.3	1961.3	1961.3	1961.3
1°	1957.5	1962.0	1962.0	1965.0	1966.5
2°	1959.0	1962.0	1961.3	1966.5	1968.8
3°	1956.7	1962.0	1963.5	1969.5	1973.3
4°	1957.5	1962.0	1966.5	1975.6	1980.9
5°	1958.2	1963.5	1969.5	1983.1	1989.1
6°	1959.0	1962.8	1969.5	1986.9	1998.2
7°	1951.5	1956.7	1964.3	1986.1	1998.2
8°	1939.4	1942.4	1948.4	1977.1	1991.4
9°	1916.8	1916.0	1925.1	1956.7	1973.3
10°	1887.4	1878.3	1891.2	1922.8	1940.9
11°	1839.9	1830.1	1841.4	1875.3	1892.7
12°	1778.1	1778.1	1780.4	1810.5	1840.7
13°	1712.5	1705.0	1709.5	1743.4	1764.5
14°	1640.2	1632.6	1637.1	1662.8	1695.9
15°	1561.8	1558.8	1562.5	1587.4	1613.8
17.5°	1375.6	1368.8	1382.4	1407.2	1420.8
20°	1172.8	1184.1	1189.4	1205.2	1209.0
22.5°	939.9	952.0	959.5	961.8	964.0
25°	701.7	699.5	702.5	702.5	707.0
27.5°	461.3	461.3	469.6	464.3	459.0
30°	276.6	287.9	294.0	284.2	272.1
32.5°	150.7	162.1	171.9	157.5	147.0
35°	81.4	87.4	99.5	85.2	78.4
37.5°	44.5	49.7	57.3	48.2	44.5
40°	23.4	28.6	32.4	28.6	21.9
42.5°	7.5	14.3	18.8	14.3	6.8
45°	1.5	4.5	11.3	4.5	1.5
47.5°	0.0	0.8	5.3	0.8	0.0
50°	0.0	0.0	1.5	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



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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)