

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: P1311356

Luminaire Tested: LDSQA3D09R459040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311356
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: LDSQA3D09R459040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

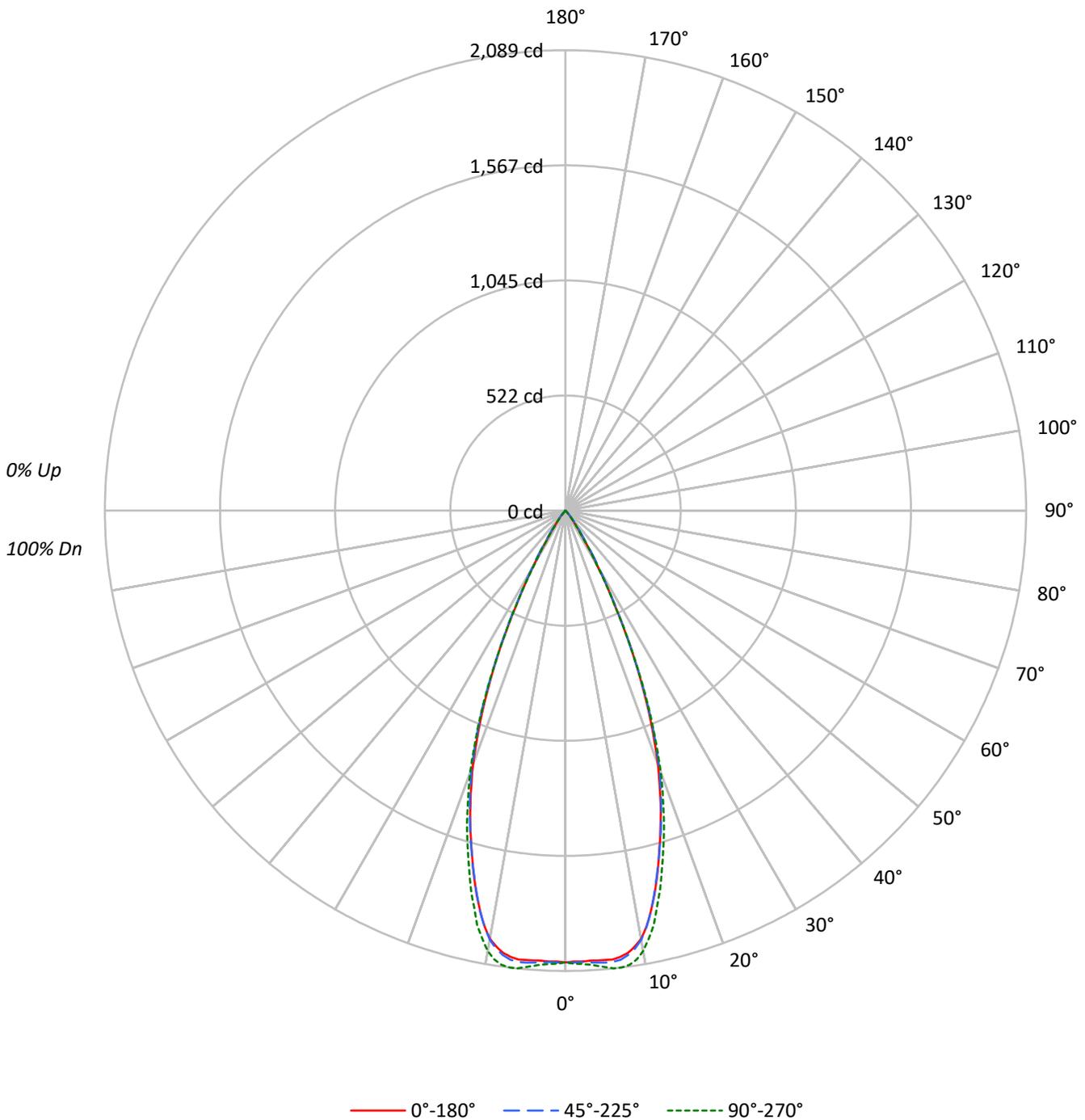
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1060.0 lumens
Efficiency: N/A
Efficacy: 95.5 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	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	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	353091	353091	353091
5°	353904	355944	359488
10°	345037	345719	354830
15°	291089	291232	300789
20°	224696	227885	231642
25°	139404	139556	140449
30°	57512	61111	56557
35°	17892	21865	17219
40°	5486	7621	5148
45°	390	2874	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: 2874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	18.4
10°-20°	453.7	42.8
20°-30°	332.8	31.4
30°-40°	71.5	6.7
40°-50°	6.8	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°	981.6	92.6
0°-40°	1053.2	99.4
0°-60°	1060.0	100.0
0°-90°	1060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2050	2050	2050	2050	2050	
5°	2047	2053	2059	2073	2079	194
15°	1633	1630	1633	1659	1687	450
25°	734	731	734	734	739	329
35°	85	91	104	89	82	67
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2050.2	2050.2	2050.2	2050.2	2050.2
1°	2046.3	2051.0	2051.0	2054.2	2055.7
2°	2047.9	2051.0	2050.2	2055.7	2058.1
3°	2045.5	2051.0	2052.6	2058.9	2062.8
4°	2046.3	2051.0	2055.7	2065.2	2070.7
5°	2047.1	2052.6	2058.9	2073.1	2079.4
6°	2047.9	2051.8	2058.9	2077.0	2088.8
7°	2040.0	2045.5	2053.4	2076.2	2088.8
8°	2027.4	2030.5	2036.8	2066.8	2081.7
9°	2003.7	2002.9	2012.4	2045.5	2062.8
10°	1973.0	1963.6	1976.9	2010.0	2029.0
11°	1923.4	1913.1	1924.9	1960.4	1978.5
12°	1858.8	1858.8	1861.1	1892.6	1924.2
13°	1790.2	1782.3	1787.1	1822.5	1844.6
14°	1714.6	1706.7	1711.4	1738.2	1772.9
15°	1632.6	1629.5	1633.4	1659.4	1687.0
17.5°	1438.0	1430.9	1445.1	1471.1	1485.3
20°	1226.0	1237.9	1243.4	1259.9	1263.9
22.5°	982.6	995.2	1003.1	1005.4	1007.8
25°	733.6	731.2	734.4	734.4	739.1
27.5°	482.2	482.2	490.9	485.4	479.9
30°	289.2	301.0	307.3	297.1	284.4
32.5°	157.6	169.4	179.7	164.7	153.6
35°	85.1	91.4	104.0	89.0	81.9
37.5°	46.5	52.0	59.9	50.4	46.5
40°	24.4	29.9	33.9	29.9	22.9
42.5°	7.9	15.0	19.7	15.0	7.1
45°	1.6	4.7	11.8	4.7	1.6
47.5°	0.0	0.8	5.5	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



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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)