

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: P1309112

Luminaire Tested: LDSQA3D09R409030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

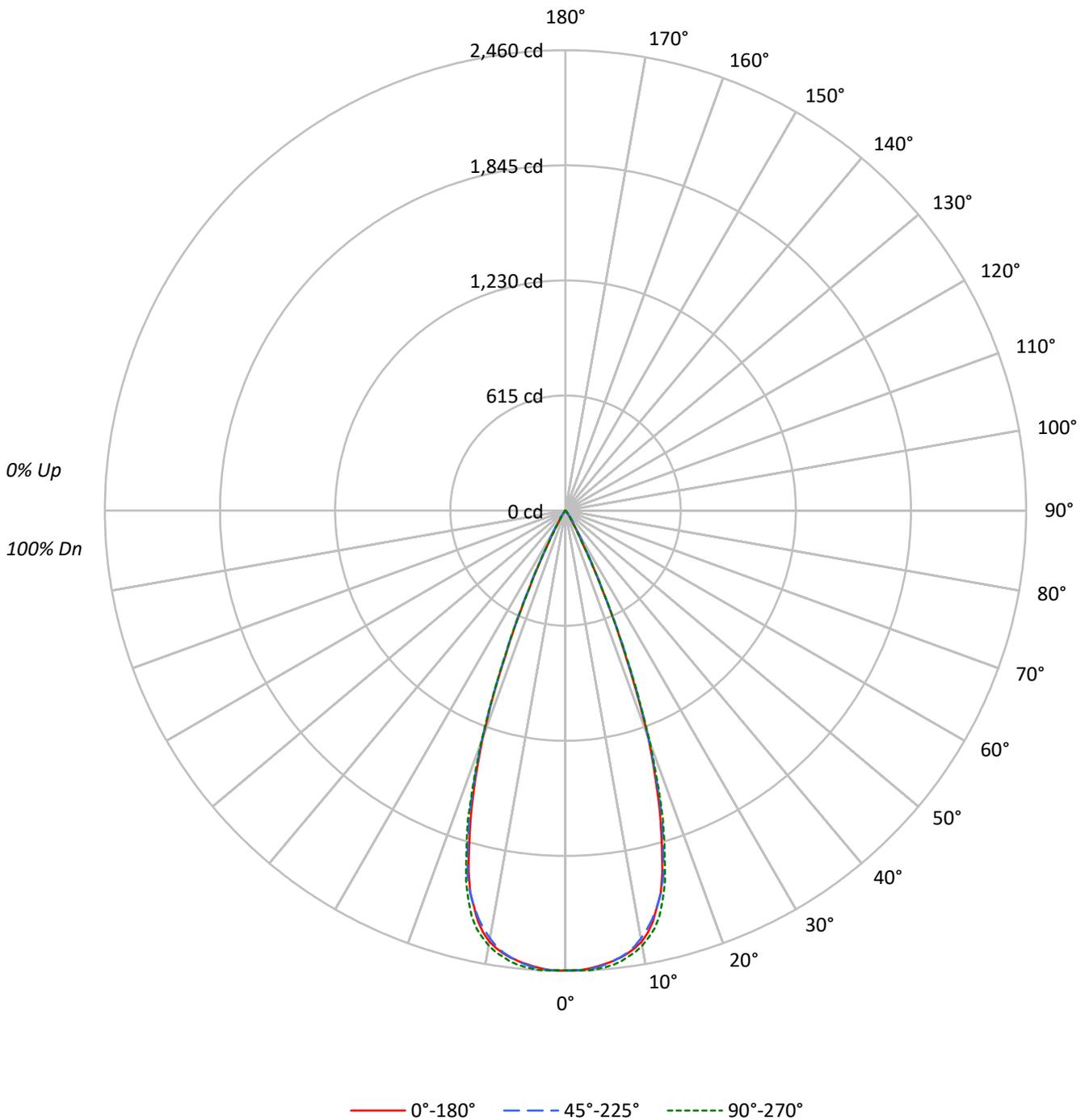
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1040.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	423203	423203	423203
5°	420394	421033	423298
10°	409008	405948	412716
15°	356382	360019	365636
20°	237378	238588	240861
25°	86310	88951	86728
30°	18316	24580	18316
35°	6455	10912	6160
40°	2293	3462	2293
45°	536	1437	536
50°	402	589	402
55°	450	450	450
60°	517	517	517
65°	285	611	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	22.1
10°-20°	535.1	51.5
20°-30°	240.8	23.2
30°-40°	27.4	2.6
40°-50°	3.9	0.4
50°-60°	1.4	0.1
60°-70°	1.1	0.1
70°-80°	0.6	0.1
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°	1005.5	96.7
0°-40°	1032.9	99.3
0°-60°	1038.2	99.8
0°-90°	1040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2457	2457	2457	2457	2457	
5°	2432	2429	2435	2446	2448	229
15°	1999	2004	2019	2035	2051	531
25°	454	457	468	468	456	235
35°	31	34	52	33	29	23
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	2	2	2	1	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°	2457.3	2457.3	2457.3	2457.3	2457.3
1°	2458.8	2456.6	2455.8	2460.2	2456.6
2°	2456.6	2455.1	2455.8	2460.2	2457.3
3°	2450.0	2450.7	2452.9	2461.0	2460.2
4°	2441.9	2441.2	2445.6	2455.8	2455.8
5°	2431.7	2428.8	2435.4	2446.3	2448.5
6°	2420.0	2416.4	2421.5	2435.4	2440.5
7°	2406.8	2399.5	2403.9	2420.7	2427.3
8°	2389.3	2379.8	2384.9	2401.7	2406.8
9°	2367.4	2352.7	2357.1	2377.6	2387.8
10°	2338.8	2320.5	2321.3	2343.9	2360.0
11°	2298.6	2278.1	2278.9	2307.4	2324.2
12°	2245.2	2226.9	2230.6	2256.9	2284.0
13°	2172.8	2167.7	2172.1	2200.6	2225.5
14°	2102.6	2097.5	2105.5	2131.9	2143.6
15°	1998.8	2003.9	2019.2	2035.3	2050.7
17.5°	1669.7	1689.4	1707.7	1718.7	1731.8
20°	1295.2	1272.5	1301.8	1288.6	1314.2
22.5°	835.9	852.7	860.1	852.7	855.7
25°	454.2	457.1	468.1	468.1	456.4
27.5°	193.1	208.4	222.3	217.2	193.1
30°	92.1	106.0	123.6	106.8	92.1
32.5°	51.9	61.4	79.7	60.0	50.5
35°	30.7	34.4	51.9	32.9	29.3
37.5°	18.3	19.0	28.5	19.7	17.6
40°	10.2	12.4	15.4	12.4	10.2
42.5°	5.1	7.3	9.5	7.3	5.1
45°	2.2	3.7	5.9	3.7	2.2
47.5°	2.2	2.2	3.7	2.2	2.2
50°	1.5	1.5	2.2	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.7	1.5	1.5	1.5	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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)