

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: P1309111

Luminaire Tested: LDSQA3D09R409030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

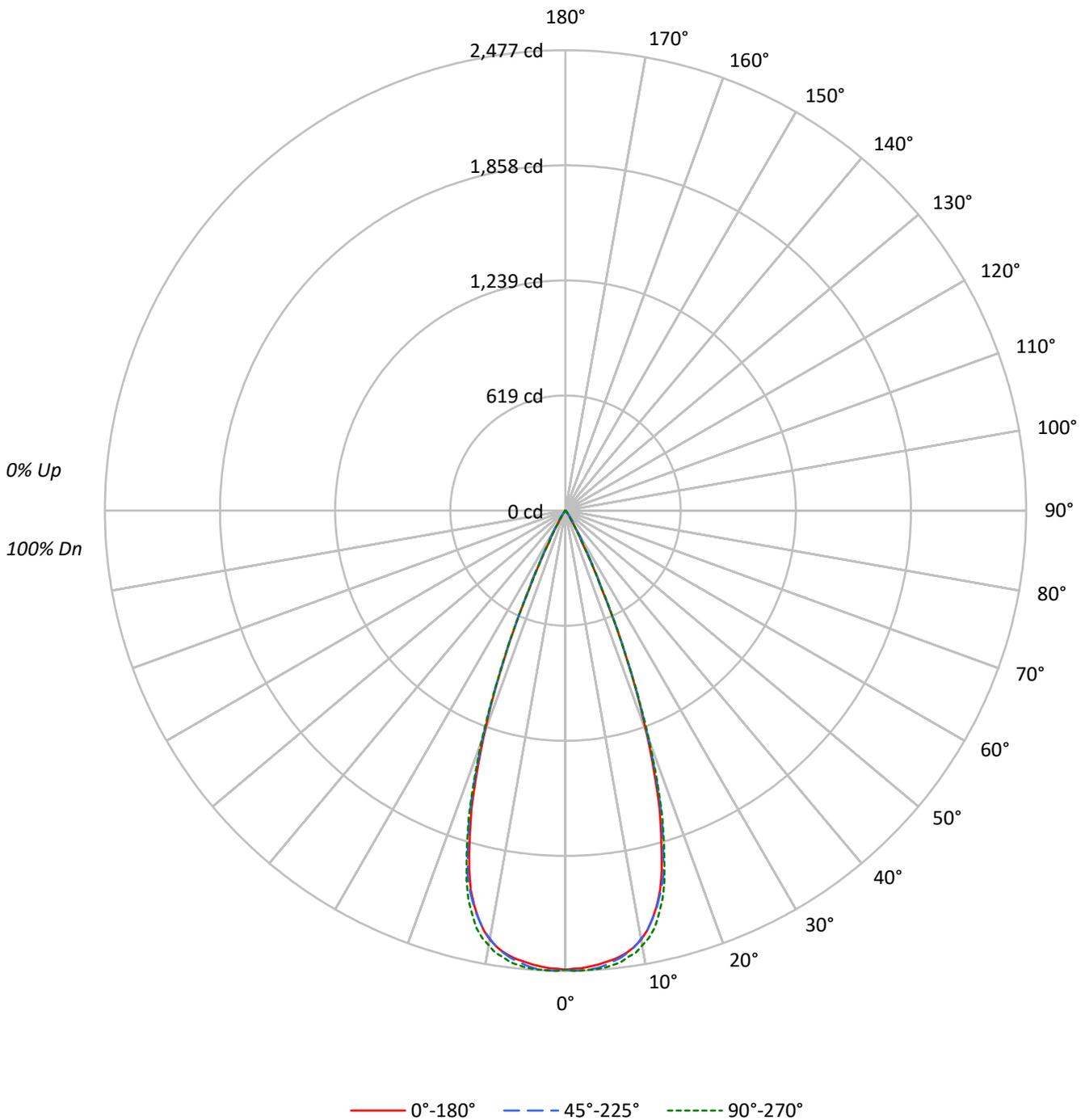
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1039.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	425528	425528	425528
5°	421828	424491	426513
10°	409830	409061	415461
15°	356525	362266	366705
20°	233988	238551	241630
25°	83422	88286	83004
30°	18196	24580	18335
35°	5845	10155	5698
40°	1799	3125	1641
45°	170	1072	170
50°	0	188	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: 1072 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.1	22.2
10°-20°	538.1	51.8
20°-30°	241.3	23.2
30°-40°	26.1	2.5
40°-50°	2.4	0.2
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°	1010.5	97.3
0°-40°	1036.6	99.8
0°-60°	1039.0	100.0
0°-90°	1039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2471	2471	2471	2471	2471	
5°	2440	2447	2455	2459	2467	230
15°	2000	2014	2032	2044	2057	531
25°	439	452	465	473	437	234
35°	28	32	48	32	27	22
45°	1	2	4	2	1	1
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°	2470.8	2470.8	2470.8	2470.8	2470.8
1°	2465.6	2470.8	2475.2	2471.5	2476.6
2°	2463.5	2469.3	2475.9	2472.2	2476.6
3°	2457.6	2464.9	2472.2	2470.0	2474.4
4°	2449.6	2455.4	2466.4	2466.4	2473.0
5°	2440.0	2446.6	2455.4	2459.1	2467.1
6°	2429.8	2433.5	2440.0	2447.4	2458.3
7°	2416.6	2416.6	2424.7	2432.0	2446.6
8°	2398.3	2396.9	2402.7	2412.2	2425.4
9°	2375.7	2370.5	2374.9	2388.8	2408.6
10°	2343.5	2339.1	2339.1	2356.6	2375.7
11°	2301.8	2300.3	2301.0	2317.9	2343.5
12°	2245.4	2246.9	2246.9	2265.9	2297.4
13°	2181.8	2181.0	2187.6	2208.8	2230.1
14°	2104.2	2108.6	2115.2	2134.2	2156.2
15°	1999.6	2014.2	2031.8	2043.5	2056.7
17.5°	1681.3	1696.0	1720.1	1729.6	1732.5
20°	1276.7	1297.9	1301.6	1320.6	1318.4
22.5°	856.0	854.6	857.5	859.7	860.4
25°	439.0	452.2	464.6	472.6	436.8
27.5°	191.0	213.6	229.7	208.5	193.2
30°	91.5	103.9	123.6	104.6	92.2
32.5°	49.8	57.8	78.3	57.1	49.0
35°	27.8	32.2	48.3	31.5	27.1
37.5°	16.1	17.6	26.3	17.6	15.4
40°	8.0	10.2	13.9	10.2	7.3
42.5°	2.9	5.1	7.3	5.1	2.9
45°	0.7	1.5	4.4	1.5	0.7
47.5°	0.0	0.0	2.2	0.0	0.0
50°	0.0	0.0	0.7	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)