

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: P1310229

Luminaire Tested: LDSQA3D09R409035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310229
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: LDSQA3D09R409035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

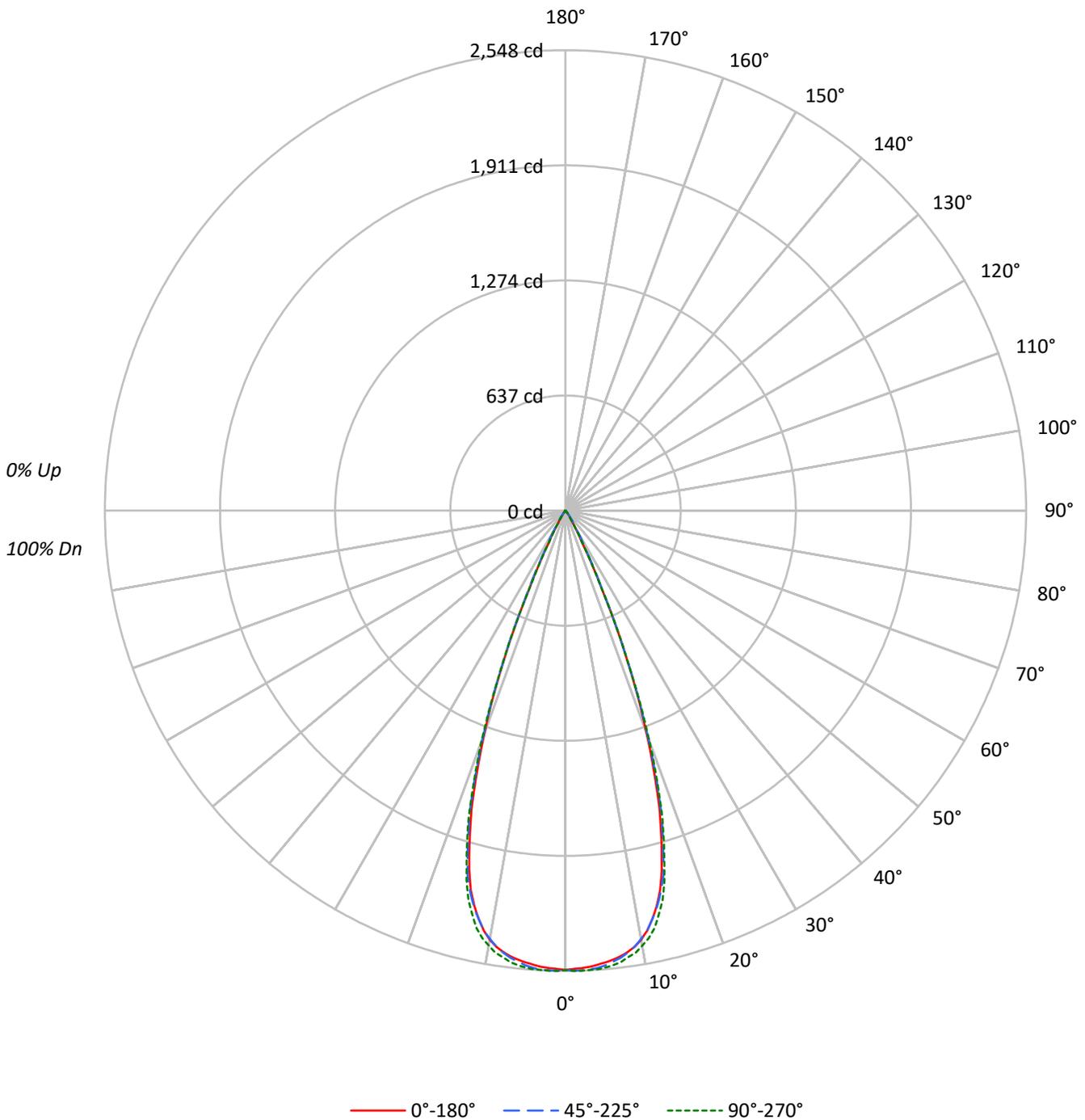
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.0 lumens
Efficiency: N/A
Efficacy: 96.3 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85	85	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76	76	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73	73	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71	71	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	437807	437807	437807
5°	434017	436748	438823
10°	421652	420865	427458
15°	366812	372714	377279
20°	240751	245443	248613
25°	85835	90833	85398
30°	18713	25296	18852
35°	6013	10449	5866
40°	1866	3215	1686
45°	195	1096	195
50°	0	214	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: 1096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	22.2
10°-20°	553.6	51.8
20°-30°	248.3	23.2
30°-40°	26.8	2.5
40°-50°	2.5	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°	1039.7	97.3
0°-40°	1066.5	99.8
0°-60°	1069.0	100.0
0°-90°	1069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2542	2542	2542	2542	2542	
5°	2510	2517	2526	2530	2538	237
15°	2057	2072	2090	2102	2116	547
25°	452	465	478	486	449	241
35°	29	33	50	32	28	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°	2542.1	2542.1	2542.1	2542.1	2542.1
1°	2536.8	2542.1	2546.6	2542.9	2548.1
2°	2534.6	2540.6	2547.4	2543.6	2548.1
3°	2528.6	2536.1	2543.6	2541.4	2545.9
4°	2520.3	2526.3	2537.6	2537.6	2544.4
5°	2510.5	2517.3	2526.3	2530.1	2538.3
6°	2500.0	2503.7	2510.5	2518.0	2529.3
7°	2486.4	2486.4	2494.7	2502.2	2517.3
8°	2467.6	2466.1	2472.1	2481.9	2495.4
9°	2444.3	2439.0	2443.5	2457.8	2478.1
10°	2411.1	2406.6	2406.6	2424.7	2444.3
11°	2368.2	2366.7	2367.5	2384.8	2411.1
12°	2310.3	2311.8	2311.8	2331.3	2363.7
13°	2244.8	2244.0	2250.8	2272.6	2294.4
14°	2165.0	2169.5	2176.3	2195.8	2218.4
15°	2057.3	2072.4	2090.4	2102.5	2116.0
17.5°	1729.9	1744.9	1769.8	1779.6	1782.6
20°	1313.6	1335.4	1339.2	1358.8	1356.5
22.5°	880.7	879.2	882.2	884.5	885.3
25°	451.7	465.2	478.0	486.3	449.4
27.5°	196.5	219.8	236.4	214.5	198.7
30°	94.1	106.9	127.2	107.6	94.8
32.5°	51.2	59.5	80.5	58.7	50.4
35°	28.6	33.1	49.7	32.4	27.9
37.5°	16.6	18.1	27.1	18.1	15.8
40°	8.3	10.5	14.3	10.5	7.5
42.5°	3.0	5.3	7.5	5.3	3.0
45°	0.8	1.5	4.5	1.5	0.8
47.5°	0.0	0.0	2.3	0.0	0.0
50°	0.0	0.0	0.8	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)