

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: P1320142

Luminaire Tested: LDSQA3D13R409840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320142
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: LDSQA3D13R409840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

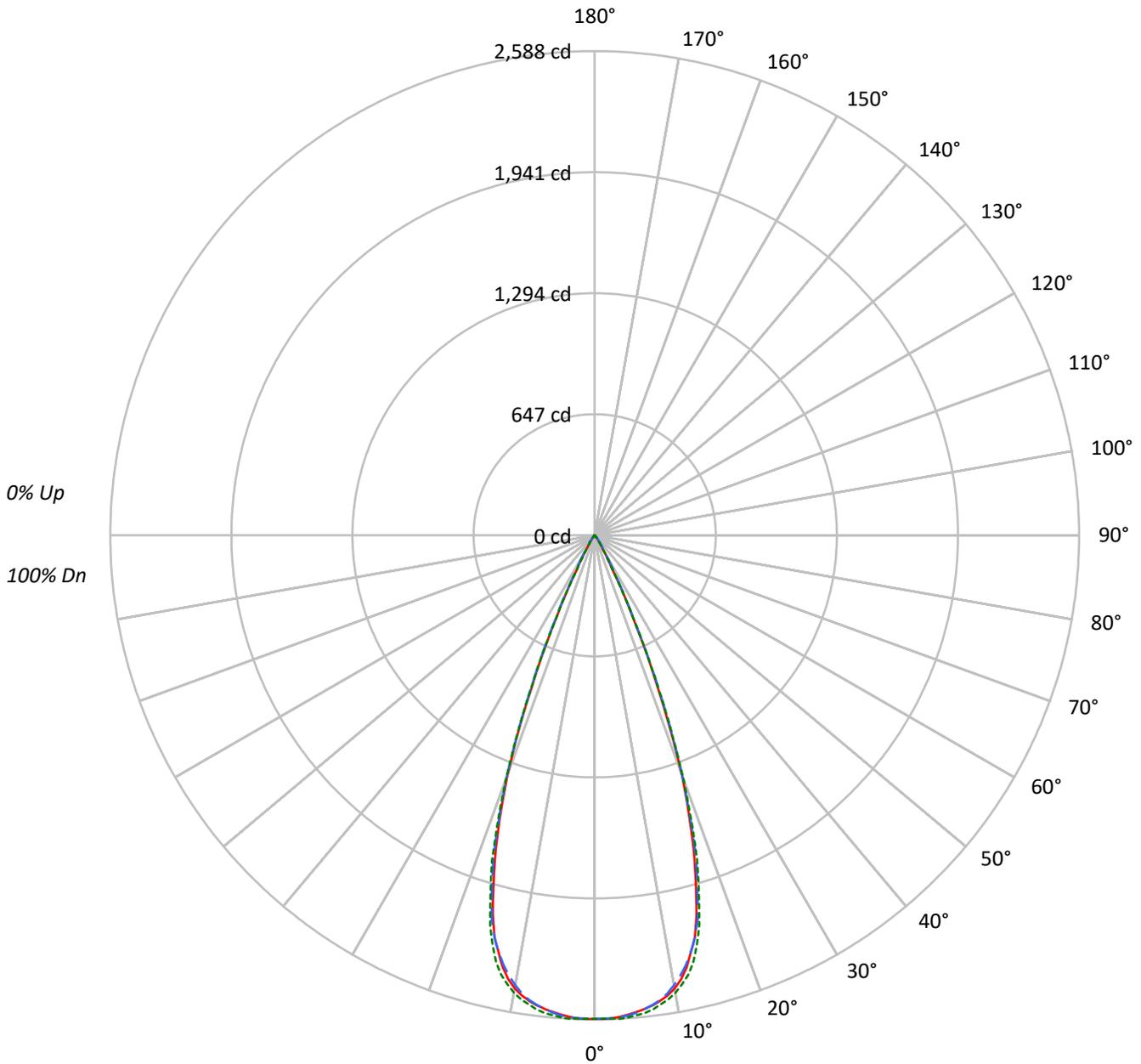
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1094.0 lumens
Efficiency: N/A
Efficacy: 75.4 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): 14.5
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



— 0°-180° - - - 45°-225° - · - · - 90°-270°



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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°	445178	445178	445178
5°	442228	442885	445288
10°	430256	427021	434156
15°	374872	378723	384624
20°	249713	250977	253378
25°	90776	93569	91232
30°	19270	25853	19270
35°	6791	11479	6476
40°	2428	3642	2428
45°	560	1510	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	611	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1510 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	22.1
10°-20°	562.9	51.5
20°-30°	253.3	23.2
30°-40°	28.8	2.6
40°-50°	4.1	0.4
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1057.7	96.7
0°-40°	1086.6	99.3
0°-60°	1092.1	99.8
0°-90°	1094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2585	2585	2585	2585	2585	
5°	2558	2555	2562	2573	2576	241
15°	2102	2108	2124	2141	2157	558
25°	478	481	492	492	480	247
35°	32	36	55	35	31	24
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°	2584.9	2584.9	2584.9	2584.9	2584.9
1°	2586.4	2584.1	2583.4	2588.0	2584.1
2°	2584.1	2582.6	2583.4	2588.0	2584.9
3°	2577.2	2578.0	2580.3	2588.7	2588.0
4°	2568.7	2568.0	2572.6	2583.4	2583.4
5°	2558.0	2554.9	2561.8	2573.4	2575.7
6°	2545.7	2541.8	2547.2	2561.8	2567.2
7°	2531.8	2524.1	2528.7	2546.4	2553.4
8°	2513.4	2503.3	2508.7	2526.4	2531.8
9°	2490.3	2474.9	2479.5	2501.0	2511.8
10°	2460.3	2441.0	2441.8	2465.7	2482.6
11°	2418.0	2396.4	2397.2	2427.2	2444.9
12°	2361.8	2342.6	2346.4	2374.1	2402.6
13°	2285.6	2280.2	2284.9	2314.9	2341.0
14°	2211.8	2206.4	2214.9	2242.6	2254.9
15°	2102.5	2107.9	2124.1	2141.0	2157.2
17.5°	1756.3	1777.1	1796.3	1807.9	1821.7
20°	1362.5	1338.6	1369.4	1355.5	1382.5
22.5°	879.3	897.0	904.7	897.0	900.1
25°	477.7	480.8	492.4	492.4	480.1
27.5°	203.1	219.3	233.9	228.5	203.1
30°	96.9	111.6	130.0	112.3	96.9
32.5°	54.6	64.6	83.9	63.1	53.1
35°	32.3	36.2	54.6	34.6	30.8
37.5°	19.2	20.0	30.0	20.8	18.5
40°	10.8	13.1	16.2	13.1	10.8
42.5°	5.4	7.7	10.0	7.7	5.4
45°	2.3	3.8	6.2	3.8	2.3
47.5°	2.3	2.3	3.8	2.3	2.3
50°	1.5	1.5	2.3	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°	0.8	1.5	1.5	1.5	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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)