

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: P1318388

Luminaire Tested: LDSQA3D13R409830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318388
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: LDSQA3D13R409830DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

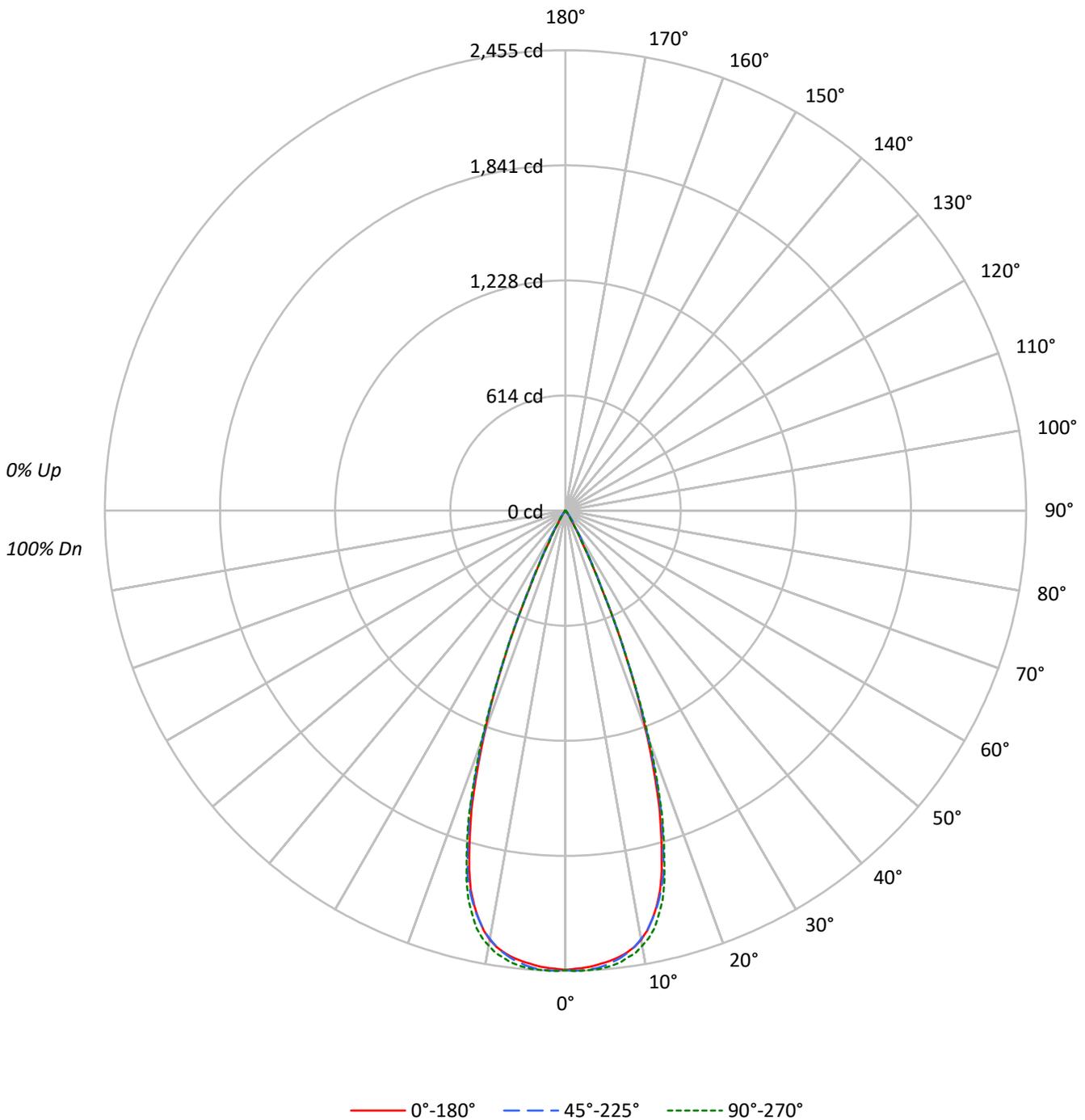
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1030.0 lumens
Efficiency: N/A
Efficacy: 71.0 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): 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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85	85	85	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76	76	76	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73	73	73	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71	71	71	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	421842	421842	421842
5°	418181	420808	422814
10°	406280	405510	411859
15°	353440	359128	363514
20°	231972	236480	239541
25°	82700	87526	82282
30°	18037	24381	18176
35°	5803	10071	5635
40°	1799	3103	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°	229.1	22.2
10°-20°	533.4	51.8
20°-30°	239.2	23.2
30°-40°	25.8	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°	1001.7	97.3
0°-40°	1027.6	99.8
0°-60°	1030.0	100.0
0°-90°	1030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2419	2425	2434	2438	2446	228
15°	1982	1997	2014	2026	2039	527
25°	435	448	461	468	433	232
35°	28	32	48	31	27	21
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°	2449.4	2449.4	2449.4	2449.4	2449.4
1°	2444.3	2449.4	2453.7	2450.1	2455.2
2°	2442.1	2447.9	2454.4	2450.8	2455.2
3°	2436.3	2443.6	2450.8	2448.6	2453.0
4°	2428.3	2434.1	2445.0	2445.0	2451.5
5°	2418.9	2425.4	2434.1	2437.8	2445.7
6°	2408.8	2412.4	2418.9	2426.2	2437.0
7°	2395.7	2395.7	2403.7	2410.9	2425.4
8°	2377.6	2376.1	2381.9	2391.3	2404.4
9°	2355.1	2350.0	2354.4	2368.1	2387.7
10°	2323.2	2318.8	2318.8	2336.2	2355.1
11°	2281.8	2280.4	2281.1	2297.8	2323.2
12°	2226.0	2227.4	2227.4	2246.3	2277.5
13°	2162.9	2162.1	2168.7	2189.7	2210.7
14°	2086.0	2090.3	2096.9	2115.7	2137.5
15°	1982.3	1996.8	2014.2	2025.8	2038.8
17.5°	1666.8	1681.3	1705.2	1714.6	1717.5
20°	1265.7	1286.7	1290.3	1309.2	1307.0
22.5°	848.6	847.2	850.1	852.2	853.0
25°	435.2	448.2	460.6	468.5	433.0
27.5°	189.3	211.8	227.7	206.7	191.5
30°	90.7	103.0	122.6	103.7	91.4
32.5°	49.3	57.3	77.6	56.6	48.6
35°	27.6	31.9	47.9	31.2	26.8
37.5°	16.0	17.4	26.1	17.4	15.2
40°	8.0	10.2	13.8	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)