

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: P1319954

Luminaire Tested: LDSQA3D09R309840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

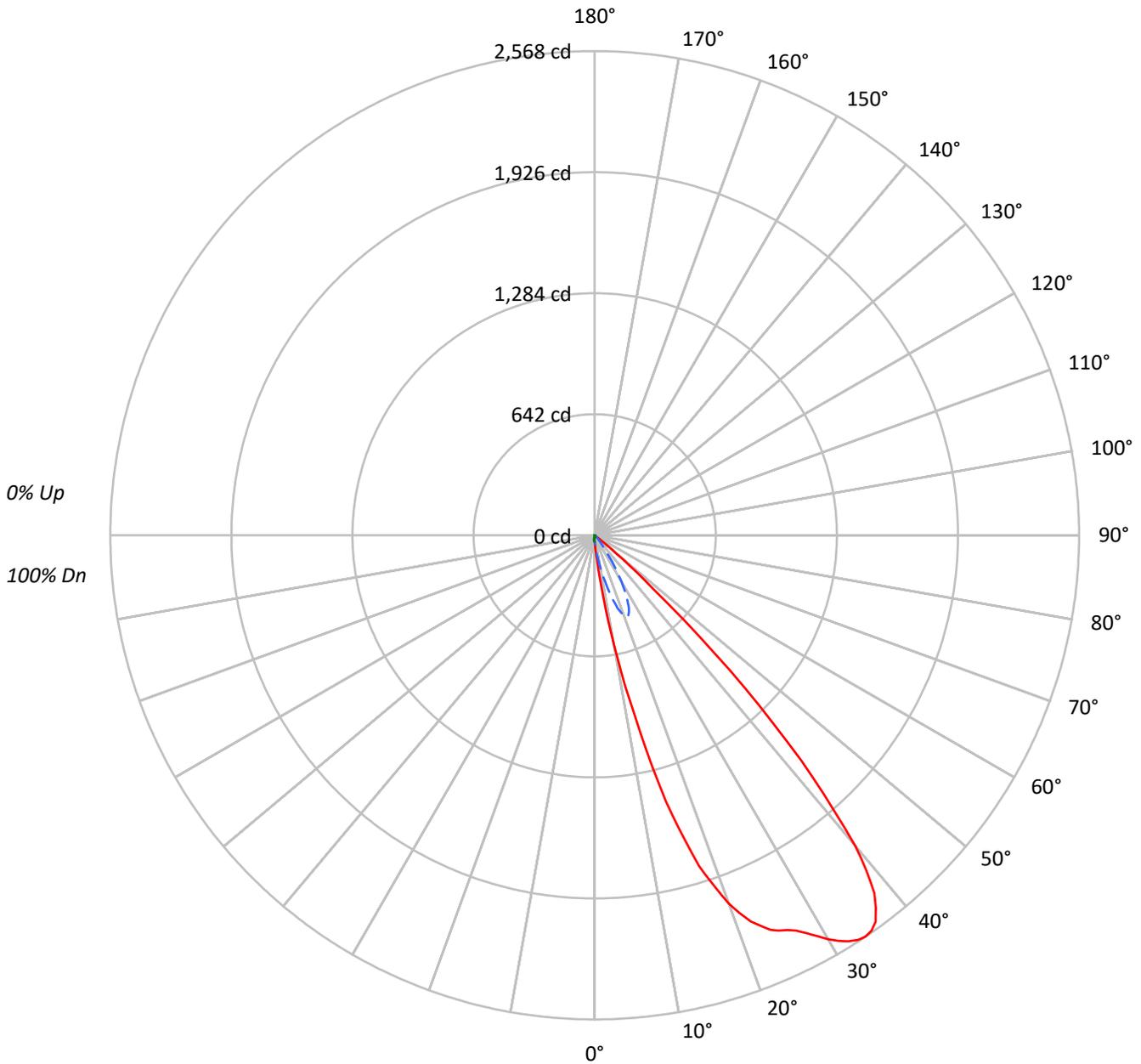
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 618.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5701	5701	5701	5701	5701
5°	20659	12828	5221	2109	1504
10°	102235	30726	4057	402	0
15°	260796	58535	2585	0	0
20°	381066	83225	1063	0	0
25°	439627	81654	228	0	0
30°	492013	56060	0	0	0
35°	538101	24136	0	0	0
40°	482960	9398	0	0	0
45°	246628	3824	0	0	0
50°	38073	455	0	0	0
55°	2252	0	180	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 246628 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	1.1
10°-20°	82.3	13.3
20°-30°	203.5	32.9
30°-40°	234.0	37.9
40°-50°	86.8	14.0
50°-60°	3.2	0.5
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.5	0.1
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°	292.7	47.4
0°-40°	526.7	85.2
0°-60°	616.7	99.8
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	120	74	30	12	9	26
15°	1463	328	14	0	0	421
25°	2314	430	1	0	0	1069
35°	2559	115	0	0	0	1552
45°	1013	16	0	0	0	789
55°	8	0	1	0	0	26
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
2.5°	58.6	59.2	59.2	57.4	56.8	56.3	54.5	49.3	41.2	33.1	26.7
5°	119.5	120.1	120.1	116.6	109.6	102.7	96.9	74.2	47.6	30.2	19.7
7.5°	281.9	282.4	270.3	256.3	228.5	214.0	187.3	114.3	53.9	27.3	12.8
10°	584.6	571.8	539.9	499.3	456.4	400.8	344.5	175.7	58.6	23.2	8.1
12.5°	977.2	965.1	923.9	865.9	781.8	672.8	566.0	247.1	59.2	18.6	4.6
15°	1462.7	1428.4	1379.1	1282.9	1158.8	990.0	813.7	328.3	56.8	14.5	1.2
17.5°	1839.1	1807.7	1745.1	1632.6	1478.3	1291.0	1074.7	405.4	50.5	9.3	0.0
20°	2079.2	2046.1	1987.5	1888.3	1724.2	1504.4	1256.8	454.1	41.8	5.8	0.0
21°	2147.6	2115.7	2058.3	1959.7	1796.1	1576.9	1301.4	464.5	37.7	4.6	0.0
22°	2207.9	2183.0	2129.6	2022.3	1855.9	1630.3	1346.7	465.7	34.8	3.5	0.0
23°	2250.2	2232.3	2178.9	2080.3	1914.4	1673.8	1371.0	458.7	31.3	2.3	0.0
24°	2290.8	2268.8	2223.0	2131.4	1960.8	1710.3	1393.1	446.0	27.8	1.7	0.0
25°	2313.5	2287.9	2252.6	2166.7	1999.1	1733.5	1406.4	429.7	24.4	1.2	0.0
26°	2329.1	2309.4	2270.5	2187.6	2015.4	1748.6	1408.1	406.0	22.0	0.6	0.0
27°	2352.9	2333.2	2295.5	2206.2	2022.3	1746.3	1397.7	378.7	19.1	0.0	0.0
28°	2388.9	2362.8	2325.1	2225.9	2025.2	1736.4	1374.5	349.1	16.2	0.0	0.0
29°	2430.0	2403.4	2362.2	2252.0	2025.8	1716.7	1338.0	316.7	14.5	0.0	0.0
30°	2474.1	2450.9	2409.2	2277.5	2032.2	1691.2	1295.6	281.9	11.6	0.0	0.0
31°	2508.9	2488.0	2443.4	2300.7	2037.4	1669.1	1243.4	247.1	9.9	0.0	0.0
32°	2539.1	2520.5	2465.4	2305.9	2027.0	1637.8	1187.8	213.4	8.1	0.0	0.0
33°	2559.9	2536.7	2472.4	2292.6	1996.8	1586.2	1125.7	181.5	6.4	0.0	0.0
34°	2567.5	2539.6	2461.9	2257.8	1935.9	1507.9	1045.1	148.5	5.2	0.0	0.0
35°	2559.4	2525.1	2424.2	2198.0	1853.5	1414.5	948.2	114.8	4.1	0.0	0.0
36°	2533.3	2489.8	2370.3	2112.8	1735.8	1304.3	851.4	89.3	2.9	0.0	0.0
37°	2477.0	2428.9	2278.1	2000.3	1619.2	1177.9	741.2	69.6	1.7	0.0	0.0
38°	2408.0	2338.4	2155.1	1858.2	1468.5	1035.8	632.2	57.4	1.2	0.0	0.0
39°	2290.3	2213.7	2009.0	1694.6	1320.6	900.7	526.0	49.9	0.6	0.0	0.0
40°	2148.2	2057.1	1842.0	1519.5	1146.0	759.2	439.0	41.8	0.6	0.0	0.0
42.5°	1620.4	1543.3	1311.9	1033.5	700.6	447.7	243.6	27.3	0.0	0.0	0.0
45°	1012.6	932.0	775.4	566.6	379.3	232.0	117.2	15.7	0.0	0.0	0.0
47.5°	413.5	379.3	312.0	240.1	171.7	109.0	48.7	7.0	0.0	0.0	0.0
50°	142.1	126.4	106.1	77.7	55.1	37.7	25.5	1.7	0.0	0.0	0.0
52.5°	41.2	41.8	36.5	31.3	24.4	17.4	12.8	0.0	0.0	0.0	0.0
55°	7.5	6.4	7.5	7.0	7.5	6.4	4.6	0.0	0.0	0.6	0.0
57.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	33.1	33.1	33.1
2.5°	21.5	19.1	18.0
5°	12.2	9.3	8.7
7.5°	6.4	4.1	3.5
10°	2.3	0.6	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)