

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: P1319971

Luminaire Tested: LDSQA3D09R359840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

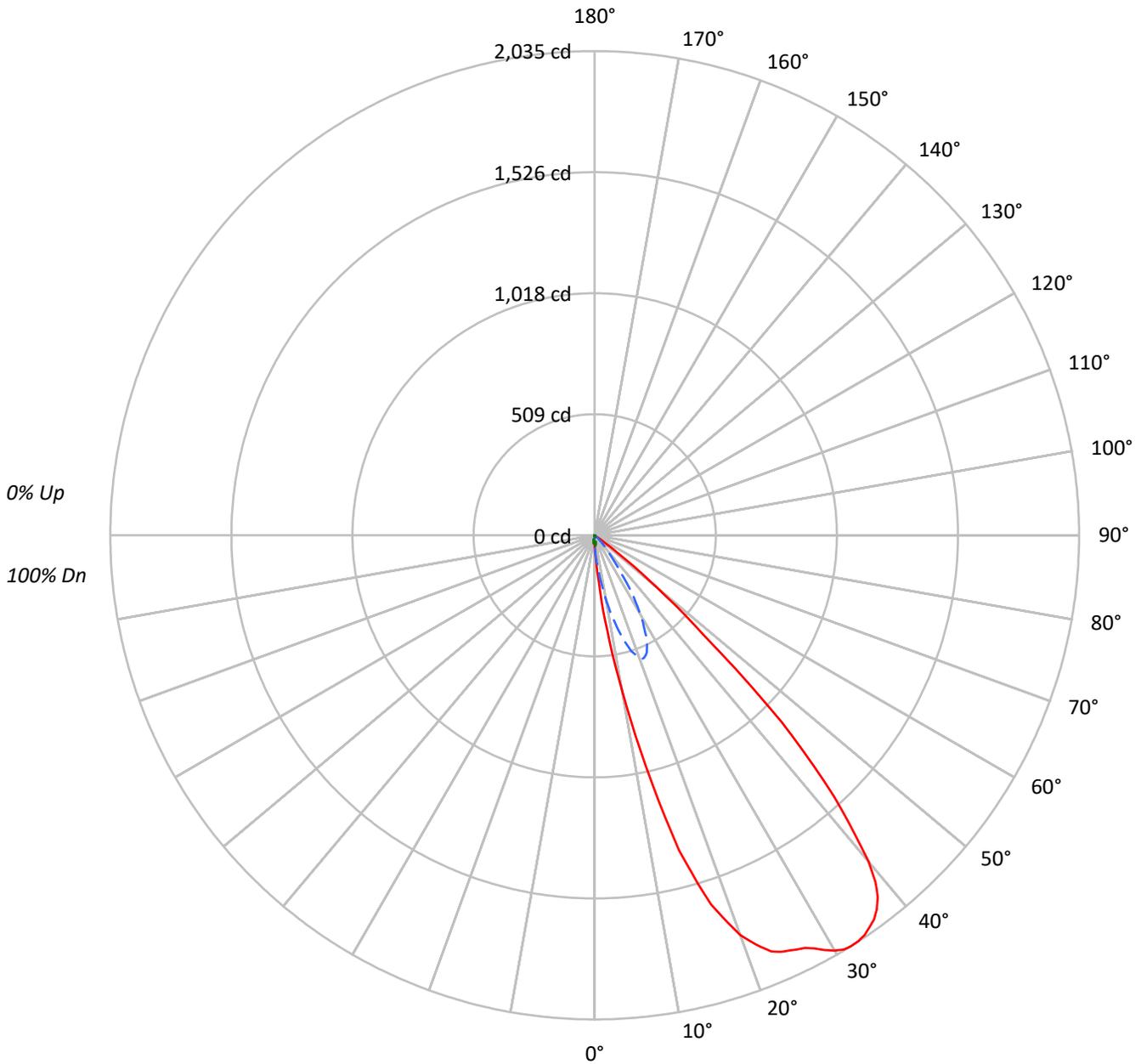
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7888	7888	7888	7888	7888
5°	34299	21264	7313	2610	1798
10°	115438	47987	5474	612	210
15°	244268	78701	3405	0	0
20°	327532	100563	1594	0	0
25°	366048	98757	323	0	0
30°	400714	75668	0	0	0
35°	422908	41229	0	0	0
40°	402024	18525	0	0	0
45°	269840	8184	0	0	0
50°	90132	777	0	0	0
55°	4864	0	0	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 269840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	1.6
10°-20°	84.4	13.9
20°-30°	185.1	30.4
30°-40°	214.1	35.2
40°-50°	105.7	17.4
50°-60°	7.8	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	279.3	45.9
0°-40°	493.4	81.1
0°-60°	606.9	99.8
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	198	123	42	15	10	34
15°	1370	441	19	0	0	387
25°	1926	520	2	0	0	891
35°	2012	196	0	0	0	1242
45°	1108	34	0	0	0	813
55°	16	0	0	0	0	66
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2.5°	91.1	93.4	92.2	92.2	91.6	88.7	83.5	81.8	75.4	59.7	46.4
5°	198.4	199.0	197.2	188.5	181.0	174.0	158.9	152.0	123.0	73.1	42.3
7.5°	402.5	393.8	382.8	370.6	344.0	319.6	287.7	254.1	190.3	84.7	37.7
10°	660.1	647.9	638.6	609.6	561.5	511.6	450.7	395.6	274.4	92.8	31.3
12.5°	992.4	985.5	952.4	894.4	823.1	751.1	645.0	557.4	359.0	94.5	25.5
15°	1370.0	1358.4	1308.0	1225.6	1128.7	1015.6	873.5	726.2	441.4	89.3	19.1
17.5°	1628.1	1621.8	1578.3	1491.8	1380.5	1236.6	1068.4	884.5	509.3	78.3	13.3
20°	1787.1	1777.8	1737.2	1664.1	1547.5	1397.3	1197.8	985.5	548.7	64.4	8.7
21°	1828.3	1819.0	1786.5	1710.5	1599.1	1437.9	1233.1	1009.8	556.3	58.0	7.0
22°	1867.1	1857.8	1823.6	1756.3	1646.1	1477.9	1261.0	1028.4	555.1	52.8	5.2
23°	1899.6	1889.7	1856.1	1794.0	1683.3	1513.3	1281.9	1037.7	547.5	47.6	4.1
24°	1916.4	1910.6	1880.5	1821.9	1713.4	1538.2	1296.4	1041.2	538.3	42.3	2.9
25°	1926.3	1919.3	1889.7	1835.8	1733.1	1558.0	1305.7	1038.3	519.7	37.7	1.7
26°	1936.7	1926.3	1892.6	1840.4	1743.6	1567.2	1306.2	1030.7	500.0	33.6	0.6
27°	1946.0	1936.1	1901.3	1843.9	1745.3	1564.3	1301.6	1016.2	476.2	29.6	0.6
28°	1966.3	1955.3	1915.3	1851.5	1747.1	1556.8	1287.1	996.5	444.9	26.1	0.0
29°	1993.0	1981.4	1935.6	1869.4	1751.1	1548.7	1267.4	970.4	417.6	23.2	0.0
30°	2015.0	2004.6	1962.2	1892.1	1761.6	1541.1	1244.2	935.0	380.5	19.7	0.0
31°	2031.3	2020.8	1982.0	1911.2	1770.8	1534.2	1215.2	898.5	346.9	17.4	0.0
32°	2035.3	2026.6	1990.1	1919.3	1770.8	1523.7	1188.5	857.3	313.8	14.5	0.0
33°	2033.6	2024.9	1987.8	1913.5	1755.2	1498.8	1156.0	808.0	276.1	12.8	0.0
34°	2027.2	2016.8	1977.3	1895.0	1724.4	1456.5	1109.0	758.7	236.7	10.4	0.0
35°	2011.5	2002.3	1959.3	1860.2	1676.9	1392.1	1046.4	701.8	196.1	8.7	0.0
36°	1996.5	1982.5	1929.8	1817.2	1614.2	1326.0	971.6	636.3	161.2	7.0	0.0
37°	1968.6	1948.9	1895.5	1755.2	1525.5	1232.6	886.3	564.4	135.1	5.2	0.0
38°	1931.5	1904.8	1837.0	1683.3	1436.2	1145.0	806.2	499.4	113.7	3.5	0.0
39°	1874.1	1842.8	1750.5	1584.6	1332.9	1043.5	714.6	430.4	96.9	2.3	0.0
40°	1788.2	1758.7	1656.6	1467.5	1230.2	931.5	620.6	352.7	82.4	1.2	0.0
42.5°	1488.9	1448.3	1330.0	1142.1	909.5	669.9	410.7	196.1	54.5	0.0	0.0
45°	1107.9	1071.9	955.9	784.8	606.1	410.1	219.8	115.4	33.6	0.0	0.0
47.5°	625.9	621.8	546.4	450.7	338.2	218.1	111.4	69.6	14.5	0.0	0.0
50°	336.4	315.5	272.0	206.5	140.9	95.1	60.3	38.3	2.9	0.0	0.0
52.5°	123.0	118.9	99.8	82.9	63.8	43.5	30.7	16.8	0.0	0.0	0.0
55°	16.2	15.1	15.7	16.8	17.4	15.1	9.9	3.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.2	1.2	1.2	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
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):

	112.5°	135°	157.5°	180°
0°	45.8	45.8	45.8	45.8
2.5°	35.4	27.3	23.2	22.6
5°	24.4	15.1	11.0	10.4
7.5°	16.8	7.5	5.2	4.6
10°	9.9	3.5	1.7	1.2
12.5°	5.8	0.6	0.0	0.0
15°	1.7	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)