

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: P1323427

Luminaire Tested: LDSQA3D02R209030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

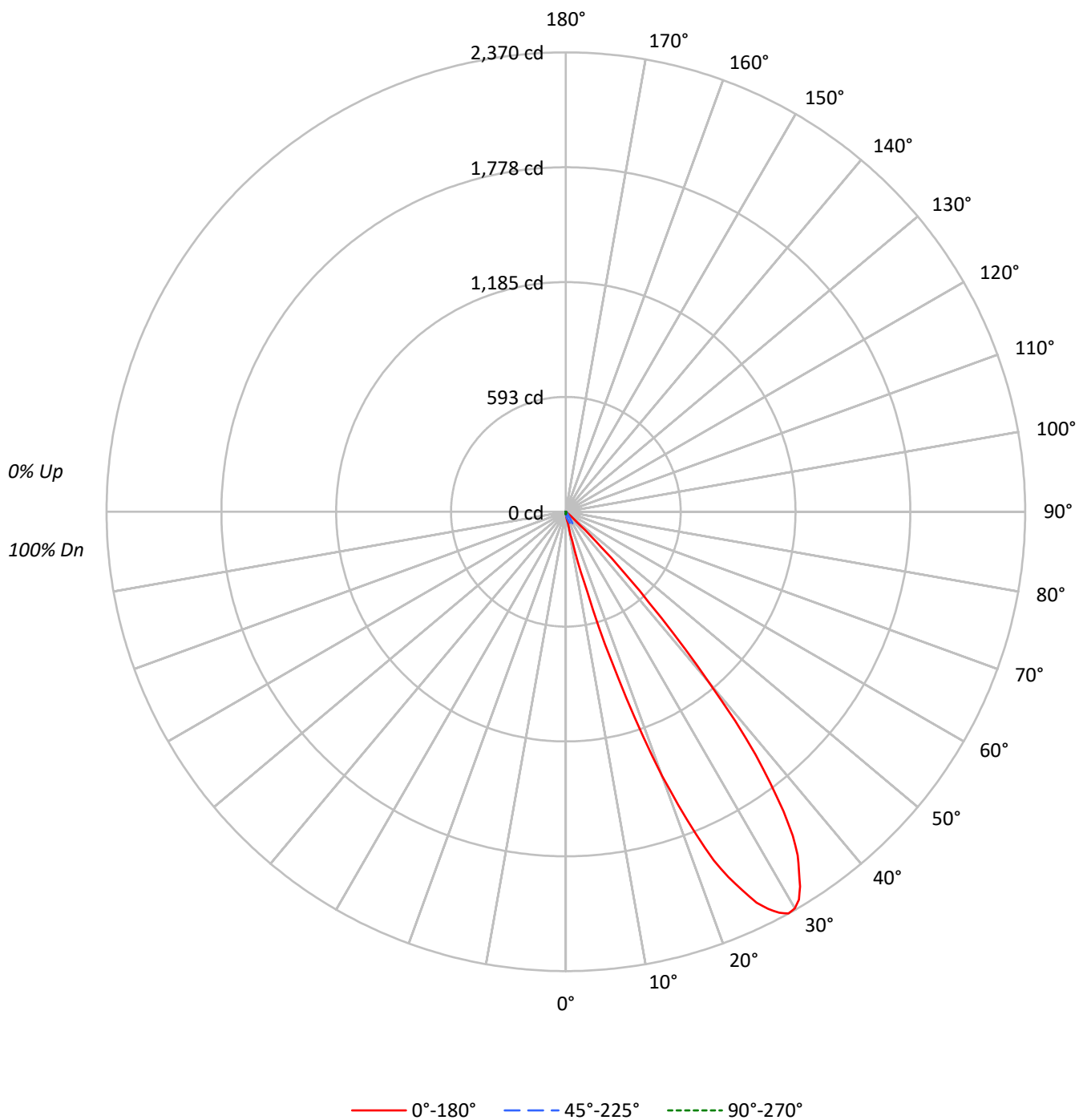
Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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		
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	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	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	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2015	2015	2015	2015	2015
5°	4391	3095	1850	847	622
10°	10912	5456	1312	175	0
15°	76829	7489	749	0	0
20°	265530	12573	293	0	0
25°	409298	16076	133	0	0
30°	469780	12409	0	0	0
35°	429047	4709	0	0	0
40°	257217	2203	0	0	0
45°	63204	1023	0	0	0
50°	6966	268	0	0	0
55°	991	0	90	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	151	504	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 1°

Vertical Angle: 45°

Luminance: 67417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.4
10°-20°	25.5	7.8
20°-30°	129.2	39.5
30°-40°	139.8	42.7
40°-50°	29.5	9.0
50°-60°	0.9	0.3
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.3	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°	156.0	47.7
0°-40°	295.8	90.5
0°-60°	326.2	99.8
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	25	18	11	5	4	4
15°	431	42	4	0	0	180
25°	2154	85	1	0	0	974
35°	2041	22	0	0	0	1203
45°	260	4	0	0	0	285
55°	3	0	0	0	0	6
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	15.9	15.6	15.9	15.6	15.9	15.9	15.9	15.6	15.6	15.6	15.6
5°	25.4	25.4	25.0	25.4	25.4	25.4	25.4	25.0	25.0	24.7	24.7
7.5°	40.0	40.0	39.7	39.7	40.0	40.3	39.0	39.7	39.7	39.7	39.4
10°	62.4	63.7	62.4	64.1	62.8	61.8	63.4	61.8	61.8	61.5	60.5
12.5°	157.4	153.8	151.5	146.0	151.5	147.3	148.3	147.3	144.1	139.8	137.2
15°	430.9	430.9	418.2	435.1	422.8	427.3	403.9	404.2	392.2	379.2	372.0
17.5°	900.8	909.0	900.5	895.3	884.3	868.3	861.8	845.2	823.4	798.1	795.1
20°	1448.8	1414.7	1430.6	1416.0	1406.9	1387.4	1365.6	1351.9	1332.7	1300.5	1253.0
21°	1621.2	1619.9	1619.6	1619.2	1605.9	1574.0	1554.2	1526.9	1499.9	1466.7	1427.0
22°	1794.9	1801.0	1803.6	1784.8	1757.5	1743.1	1729.5	1692.1	1649.5	1632.2	1585.1
23°	1954.2	1948.4	1931.4	1922.7	1901.5	1897.3	1856.6	1832.9	1791.3	1772.4	1716.5
24°	2062.8	2059.9	2052.1	2039.1	2022.2	1996.2	1971.8	1934.4	1900.2	1869.3	1817.3
25°	2153.9	2156.5	2142.2	2133.4	2115.2	2085.9	2056.0	2015.0	1983.1	1947.1	1886.9
26°	2244.0	2225.8	2214.4	2201.4	2181.5	2148.0	2119.1	2082.3	2043.6	2003.3	1944.4
27°	2299.6	2283.3	2266.1	2253.4	2230.6	2198.8	2167.9	2127.2	2084.0	2043.3	1982.8
28°	2343.5	2325.6	2308.7	2293.4	2267.4	2233.2	2196.2	2154.9	2110.0	2068.0	2006.2
29°	2369.5	2348.4	2330.2	2312.9	2289.2	2252.1	2214.7	2170.5	2127.2	2083.3	2020.2
30°	2362.3	2344.1	2326.6	2309.0	2284.9	2250.1	2213.1	2170.8	2127.2	2084.0	2019.9
31°	2334.4	2311.9	2299.3	2281.7	2260.9	2225.4	2193.6	2147.4	2108.0	2061.2	1997.1
32°	2280.7	2266.4	2249.5	2235.8	2215.7	2178.0	2146.7	2109.0	2062.5	2024.1	1956.8
33°	2207.9	2194.5	2186.1	2170.1	2150.6	2124.6	2087.2	2052.7	2000.4	1961.0	1893.7
34°	2138.3	2121.4	2100.2	2095.7	2078.8	2045.3	2011.4	1976.3	1929.5	1879.4	1811.4
35°	2040.7	2023.2	2003.6	2005.3	1985.1	1946.1	1911.6	1872.3	1827.7	1768.8	1704.4
36°	1910.3	1898.6	1895.7	1887.9	1864.8	1818.3	1785.4	1736.0	1698.6	1626.7	1571.4
37°	1751.3	1755.5	1734.4	1724.3	1697.3	1664.8	1646.2	1582.8	1539.2	1485.2	1410.4
38°	1590.6	1584.4	1559.4	1565.6	1528.5	1494.7	1442.3	1404.6	1355.8	1305.7	1245.9
39°	1390.0	1374.7	1344.8	1346.1	1318.1	1280.0	1229.3	1184.8	1155.5	1107.4	1050.1
40°	1144.1	1137.6	1127.2	1110.0	1073.2	1056.6	1011.4	963.3	938.6	871.9	843.9
42.5°	634.8	626.0	608.5	602.3	582.8	563.3	536.9	504.7	489.1	469.3	425.1
45°	259.5	276.8	272.5	267.7	252.7	253.7	234.8	237.1	219.8	208.1	200.0
47.5°	57.2	62.1	62.4	60.2	62.4	60.5	59.5	57.9	58.2	59.2	56.9
50°	26.0	25.7	26.3	26.0	25.7	25.4	25.0	24.1	24.7	24.1	23.4
52.5°	10.1	10.4	10.4	9.8	10.1	10.1	10.1	9.8	9.8	9.8	9.8
55°	3.3	3.3	3.3	2.9	2.9	3.3	3.3	3.3	3.3	3.3	2.9
57.5°	0.3	0.7	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.7	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	15.0	13.7	12.7	11.7	9.8	8.1	7.5	7.5
5°	23.1	17.9	13.3	10.7	7.5	4.9	3.9	3.6
7.5°	34.8	24.1	14.0	9.1	4.9	2.6	1.6	1.3
10°	50.4	31.2	14.6	7.5	2.9	1.0	0.0	0.0
12.5°	88.1	37.4	14.6	5.9	1.3	0.0	0.0	0.0
15°	202.0	42.0	14.0	4.2	0.3	0.0	0.0	0.0
17.5°	419.5	52.7	12.4	2.9	0.0	0.0	0.0	0.0
20°	669.9	68.6	9.8	1.6	0.0	0.0	0.0	0.0
21°	773.0	74.1	8.8	1.3	0.0	0.0	0.0	0.0
22°	847.2	79.4	7.8	1.0	0.0	0.0	0.0	0.0
23°	928.8	82.6	6.8	0.7	0.0	0.0	0.0	0.0
24°	989.0	84.6	5.9	0.7	0.0	0.0	0.0	0.0
25°	1026.4	84.6	5.2	0.7	0.0	0.0	0.0	0.0
26°	1048.5	82.6	4.6	0.3	0.0	0.0	0.0	0.0
27°	1053.7	79.4	3.9	0.3	0.0	0.0	0.0	0.0
28°	1047.2	75.1	3.3	0.0	0.0	0.0	0.0	0.0
29°	1026.7	68.9	2.9	0.0	0.0	0.0	0.0	0.0
30°	1004.6	62.4	2.3	0.0	0.0	0.0	0.0	0.0
31°	966.9	53.7	2.0	0.0	0.0	0.0	0.0	0.0
32°	923.3	44.6	1.6	0.0	0.0	0.0	0.0	0.0
33°	865.1	35.1	1.3	0.0	0.0	0.0	0.0	0.0
34°	779.2	27.6	1.3	0.0	0.0	0.0	0.0	0.0
35°	702.1	22.4	1.0	0.0	0.0	0.0	0.0	0.0
36°	601.3	17.9	1.0	0.0	0.0	0.0	0.0	0.0
37°	515.1	15.0	1.0	0.0	0.0	0.0	0.0	0.0
38°	431.2	12.7	0.7	0.0	0.0	0.0	0.0	0.0
39°	349.9	11.1	0.7	0.0	0.0	0.0	0.0	0.0
40°	279.0	9.8	0.7	0.0	0.0	0.0	0.0	0.0
42.5°	150.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	36.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	12.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.9	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.0	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.7	0.3	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)