

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: P1324574

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MMS_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

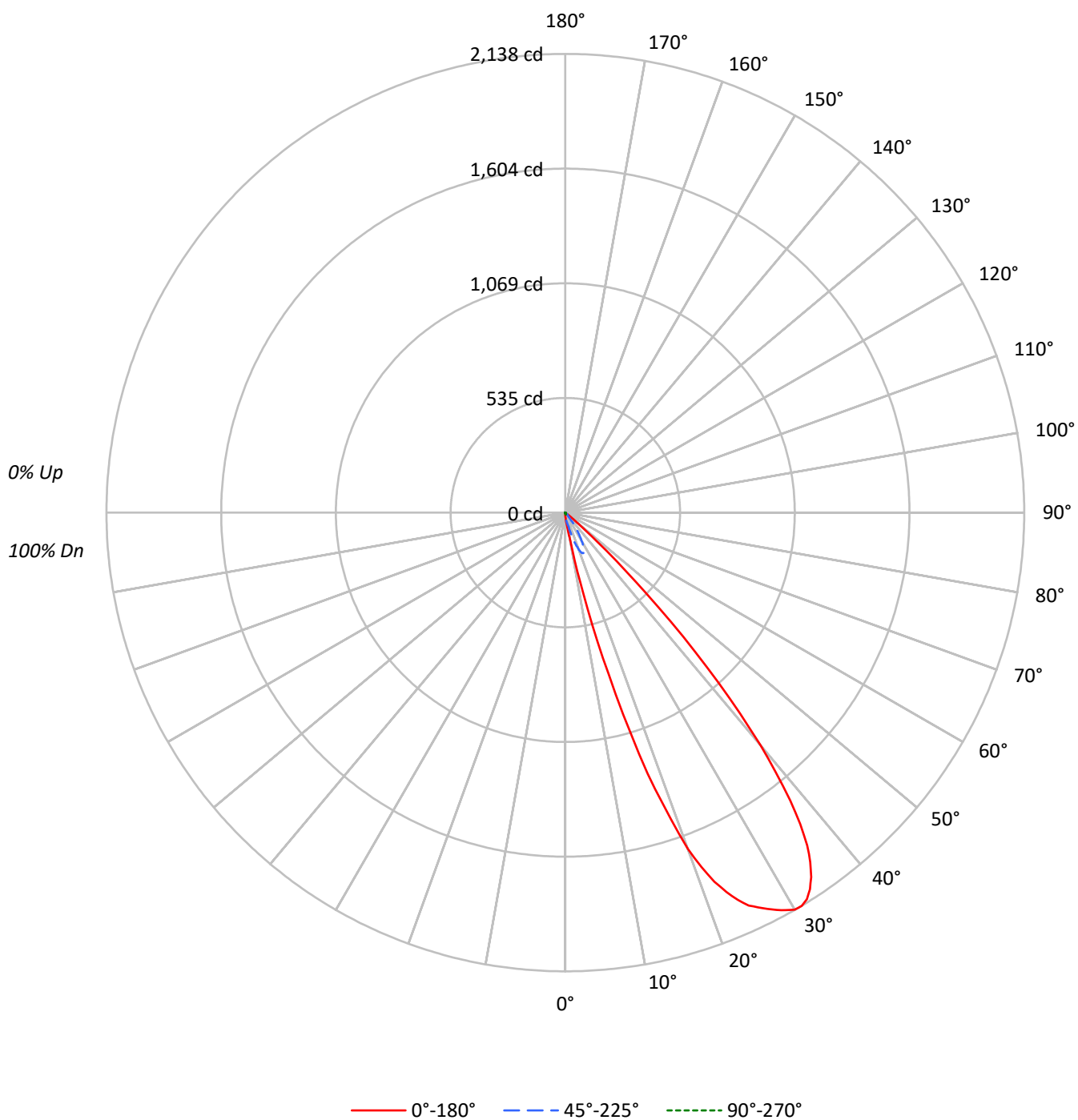
Lumens per Lamp: N/A
Luminaire Lumens: 419.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67	
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61	
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	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°	2273	2273	2273	2273	2273
5°	7140	4996	2075	1106	830
10°	22524	9059	1539	140	0
15°	139322	17241	927	0	0
20°	305465	33613	293	0	0
25°	383968	38670	0	0	0
30°	425055	29929	0	0	0
35°	418409	16967	0	0	0
40°	318031	4429	0	0	0
45°	128819	1948	0	0	0
50°	14308	214	0	0	0
55°	1081	0	120	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128819 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.5
10°-20°	43.3	10.3
20°-30°	151.3	36.1
30°-40°	168.8	40.3
40°-50°	51.0	12.2
50°-60°	1.7	0.4
60°-70°	0.2	0.1
70°-80°	0.4	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°	196.6	46.9
0°-40°	365.4	87.2
0°-60°	418.1	99.8
0°-90°	419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	41	29	12	6	5	6
15°	781	97	5	0	0	260
25°	2021	204	0	0	0	922
35°	1990	81	0	0	0	1195
45°	529	8	0	0	0	457
55°	4	0	0	0	0	11
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°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
2.5°	22.9	23.7	23.3	23.7	23.3	23.3	23.3	23.7	23.3	23.3	23.3
5°	41.3	41.7	41.7	41.3	41.3	42.1	41.3	41.7	40.5	41.3	40.9
7.5°	67.8	67.0	67.0	67.4	67.4	66.6	66.2	65.4	66.2	66.2	65.0
10°	128.8	128.0	126.0	125.2	126.0	126.0	122.0	122.8	123.2	119.6	118.4
12.5°	378.4	375.6	381.3	372.4	367.2	358.8	363.6	347.1	343.5	341.1	335.5
15°	781.4	802.6	793.4	794.2	795.8	775.7	782.6	757.7	736.8	730.4	726.0
17.5°	1274.2	1280.6	1272.2	1268.2	1266.6	1256.9	1245.3	1232.9	1216.8	1202.8	1191.1
20°	1666.7	1661.9	1647.4	1649.0	1631.8	1622.9	1612.9	1600.5	1588.0	1567.6	1547.9
21°	1770.2	1756.2	1756.6	1746.9	1746.5	1735.3	1717.6	1704.8	1693.6	1670.3	1657.8
22°	1855.3	1852.1	1844.9	1837.6	1830.0	1824.4	1804.7	1798.3	1775.4	1756.2	1738.5
23°	1921.5	1922.7	1916.3	1911.5	1901.0	1898.6	1873.4	1864.5	1848.9	1819.6	1801.5
24°	1976.5	1974.5	1967.3	1958.8	1952.8	1947.2	1927.9	1913.5	1896.2	1872.2	1854.5
25°	2020.6	2015.8	2011.0	2004.6	1995.0	1988.5	1968.9	1952.8	1938.0	1911.1	1887.0
26°	2046.7	2047.9	2040.3	2035.5	2027.1	2020.6	2000.2	1981.3	1962.9	1934.0	1912.3
27°	2073.2	2072.0	2065.2	2058.0	2049.1	2046.7	2023.0	2003.4	1984.5	1954.0	1928.3
28°	2097.7	2094.5	2088.9	2080.4	2070.8	2063.6	2040.7	2020.2	1999.8	1967.3	1939.2
29°	2118.2	2115.0	2111.3	2100.5	2088.1	2083.2	2058.8	2033.9	2013.4	1980.1	1950.4
30°	2137.4	2131.4	2123.0	2113.7	2101.7	2092.5	2066.8	2045.1	2021.0	1984.1	1955.6
31°	2138.2	2130.2	2124.2	2114.5	2100.9	2089.7	2062.8	2040.7	2012.6	1978.1	1947.2
32°	2124.2	2120.2	2110.5	2100.1	2086.9	2075.6	2045.9	2022.6	1996.2	1959.2	1928.3
33°	2092.5	2088.5	2082.8	2072.0	2054.8	2044.3	2017.8	1992.1	1966.1	1932.8	1897.4
34°	2048.7	2043.9	2036.7	2025.9	2008.2	1997.4	1976.1	1949.6	1921.9	1887.4	1854.5
35°	1990.1	1980.9	1978.9	1962.9	1946.4	1943.6	1918.3	1890.6	1862.5	1824.4	1795.9
36°	1917.5	1906.7	1899.4	1893.8	1883.0	1869.7	1844.9	1822.8	1786.7	1762.2	1722.1
37°	1818.4	1805.1	1812.0	1796.7	1779.8	1774.2	1742.5	1722.5	1692.0	1658.7	1624.5
38°	1702.8	1701.6	1700.0	1693.2	1664.3	1649.4	1636.2	1614.9	1588.4	1548.3	1502.1
39°	1556.7	1559.1	1550.7	1551.5	1537.1	1522.2	1503.7	1479.7	1447.6	1411.0	1373.7
40°	1414.6	1380.5	1386.6	1366.1	1367.3	1345.2	1321.1	1299.9	1279.4	1247.3	1196.3
42.5°	978.8	973.6	955.5	942.7	948.3	919.8	888.1	858.4	829.9	793.8	749.3
45°	528.9	516.9	520.5	499.6	499.6	486.8	478.0	453.1	426.6	410.1	384.5
47.5°	196.6	199.1	203.5	195.0	185.4	191.0	182.6	182.6	178.2	173.0	165.7
50°	53.4	54.2	53.4	53.4	52.2	51.4	49.8	49.4	49.0	47.8	45.8
52.5°	21.7	20.5	20.5	20.9	20.9	20.1	20.5	20.5	20.1	19.7	19.7
55°	3.6	4.0	4.0	4.0	4.0	3.6	3.6	4.0	4.4	4.0	4.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
2.5°	22.5	19.7	16.5	13.6	10.8	9.2	8.4	8.8
5°	38.1	28.9	18.9	12.0	8.4	6.4	5.2	4.8
7.5°	58.6	39.7	21.3	10.4	6.4	3.2	2.0	1.6
10°	89.9	51.8	22.9	8.8	4.0	0.8	0.0	0.0
12.5°	230.8	63.4	23.3	7.2	1.6	0.0	0.0	0.0
15°	474.4	96.7	22.5	5.2	0.4	0.0	0.0	0.0
17.5°	788.6	148.1	19.7	3.6	0.0	0.0	0.0	0.0
20°	1094.0	183.4	15.7	1.6	0.0	0.0	0.0	0.0
21°	1185.9	193.8	14.0	1.2	0.0	0.0	0.0	0.0
22°	1260.9	201.5	12.4	0.8	0.0	0.0	0.0	0.0
23°	1323.5	205.5	10.8	0.4	0.0	0.0	0.0	0.0
24°	1367.3	206.3	10.0	0.4	0.0	0.0	0.0	0.0
25°	1388.2	203.5	8.8	0.0	0.0	0.0	0.0	0.0
26°	1396.2	197.9	8.0	0.0	0.0	0.0	0.0	0.0
27°	1390.2	190.6	7.2	0.0	0.0	0.0	0.0	0.0
28°	1379.3	179.8	6.0	0.0	0.0	0.0	0.0	0.0
29°	1358.1	165.3	5.2	0.0	0.0	0.0	0.0	0.0
30°	1337.6	150.5	4.4	0.0	0.0	0.0	0.0	0.0
31°	1314.3	137.3	3.6	0.0	0.0	0.0	0.0	0.0
32°	1285.8	122.0	2.8	0.0	0.0	0.0	0.0	0.0
33°	1238.5	108.0	2.0	0.0	0.0	0.0	0.0	0.0
34°	1172.3	94.7	1.6	0.0	0.0	0.0	0.0	0.0
35°	1083.6	80.7	1.2	0.0	0.0	0.0	0.0	0.0
36°	986.4	65.8	0.8	0.0	0.0	0.0	0.0	0.0
37°	867.7	47.8	0.8	0.0	0.0	0.0	0.0	0.0
38°	743.6	30.1	0.4	0.0	0.0	0.0	0.0	0.0
39°	616.8	22.9	0.4	0.0	0.0	0.0	0.0	0.0
40°	500.8	19.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	268.1	13.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	158.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	88.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	31.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0
57.5°	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.8	1.2	0.4	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	0.4	0.8	1.2	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.8	1.2	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	0.4	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)