

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: P1324487

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324487
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: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

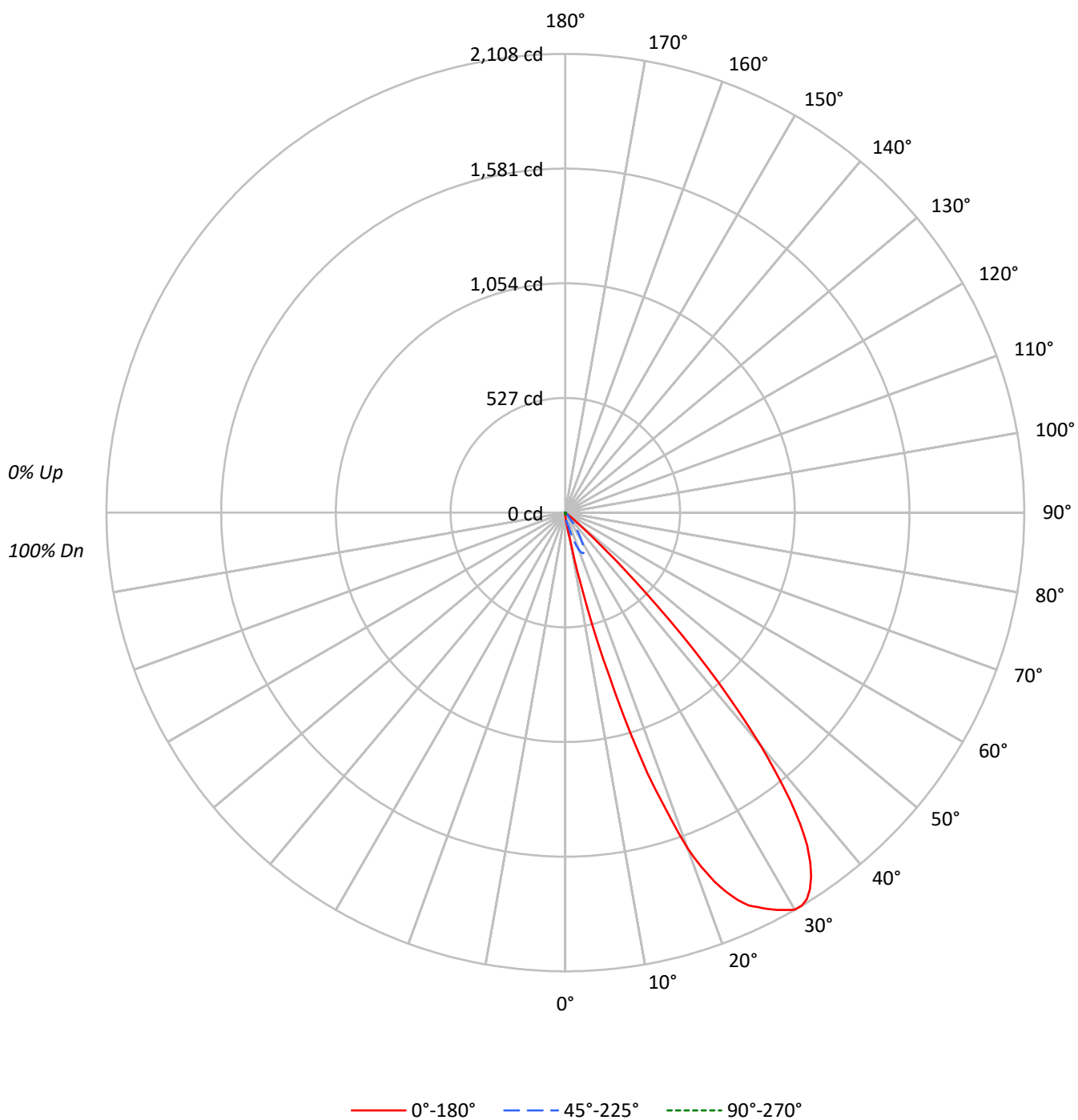
Lumens per Lamp: N/A
Luminaire Lumens: 413.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324487

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MMS_3000K

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°	2256	2256	2256	2256	2256
5°	7036	4927	2057	1089	813
10°	22210	8919	1521	140	0
15°	137325	16992	909	0	0
20°	301085	33136	293	0	0
25°	378476	38119	0	0	0
30°	418970	29492	0	0	0
35°	412417	16714	0	0	0
40°	313490	4362	0	0	0
45°	126992	1924	0	0	0
50°	14093	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: 126992 cd/sqm

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CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MMS_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.5
10°-20°	42.7	10.3
20°-30°	149.1	36.1
30°-40°	166.4	40.3
40°-50°	50.2	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°	193.8	46.9
0°-40°	360.2	87.2
0°-60°	412.1	99.8
0°-90°	413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	413.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	41	28	12	6	5	6
15°	770	95	5	0	0	256
25°	1992	201	0	0	0	909
35°	1962	80	0	0	0	1178
45°	521	8	0	0	0	450
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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	22.5	23.3	22.9	23.3	22.9	22.9	22.9	23.3	22.9	22.9	22.9
5°	40.7	41.1	41.1	40.7	40.7	41.5	40.7	41.1	40.0	40.7	40.3
7.5°	66.9	66.1	66.1	66.5	66.5	65.7	65.3	64.5	65.3	65.3	64.1
10°	127.0	126.2	124.2	123.4	124.2	124.2	120.3	121.0	121.4	117.9	116.7
12.5°	373.0	370.3	375.8	367.1	361.9	353.6	358.4	342.2	338.6	336.2	330.7
15°	770.2	791.1	782.0	782.8	784.4	764.6	771.4	746.8	726.3	719.9	715.6
17.5°	1255.9	1262.3	1254.0	1250.0	1248.4	1238.9	1227.5	1215.2	1199.4	1185.5	1174.1
20°	1642.8	1638.1	1623.8	1625.4	1608.4	1599.7	1589.8	1577.5	1565.3	1545.1	1525.7
21°	1744.9	1731.0	1731.4	1721.9	1721.5	1710.5	1693.0	1680.4	1669.3	1646.4	1634.1
22°	1828.7	1825.6	1818.4	1811.3	1803.8	1798.3	1778.9	1772.6	1750.0	1731.0	1713.6
23°	1894.0	1895.2	1888.9	1884.1	1873.8	1871.5	1846.5	1837.8	1822.4	1793.5	1775.7
24°	1948.2	1946.2	1939.1	1930.8	1924.9	1919.3	1900.3	1886.1	1869.1	1845.3	1827.9
25°	1991.7	1987.0	1982.2	1975.9	1966.4	1960.1	1940.7	1924.9	1910.2	1883.7	1860.0
26°	2017.4	2018.6	2011.1	2006.3	1998.0	1991.7	1971.5	1952.9	1934.7	1906.3	1884.9
27°	2043.5	2042.3	2035.6	2028.5	2019.8	2017.4	1994.1	1974.7	1956.1	1926.0	1900.7
28°	2067.7	2064.5	2059.0	2050.6	2041.2	2034.0	2011.5	1991.3	1971.1	1939.1	1911.4
29°	2087.8	2084.7	2081.1	2070.4	2058.2	2053.4	2029.3	2004.8	1984.6	1951.8	1922.5
30°	2106.8	2100.9	2092.6	2083.5	2071.6	2062.5	2037.2	2015.8	1992.1	1955.7	1927.6
31°	2107.6	2099.7	2093.8	2084.3	2070.8	2059.7	2033.2	2011.5	1983.8	1949.8	1919.3
32°	2093.8	2089.8	2080.3	2070.0	2057.0	2045.9	2016.6	1993.7	1967.6	1931.2	1900.7
33°	2062.5	2058.6	2053.0	2042.3	2025.3	2015.0	1988.9	1963.6	1937.9	1905.1	1870.3
34°	2019.4	2014.6	2007.5	1996.8	1979.4	1968.8	1947.8	1921.7	1894.4	1860.4	1827.9
35°	1961.6	1952.5	1950.6	1934.7	1918.5	1915.8	1890.8	1863.5	1835.9	1798.3	1770.2
36°	1890.0	1879.4	1872.2	1866.7	1856.0	1843.0	1818.4	1796.7	1761.1	1737.0	1697.4
37°	1792.3	1779.3	1786.0	1771.0	1754.4	1748.8	1717.6	1697.8	1667.7	1634.9	1601.3
38°	1678.4	1677.2	1675.6	1668.9	1640.4	1625.8	1612.7	1591.8	1565.7	1526.1	1480.6
39°	1534.4	1536.8	1528.5	1529.3	1515.0	1500.4	1482.2	1458.5	1426.8	1390.8	1354.0
40°	1394.4	1360.8	1366.7	1346.5	1347.7	1326.0	1302.2	1281.3	1261.1	1229.4	1179.2
42.5°	964.8	959.7	941.9	929.2	934.7	906.7	875.4	846.1	818.0	782.4	738.5
45°	521.4	509.5	513.1	492.5	492.5	479.8	471.1	446.6	420.5	404.3	379.0
47.5°	193.8	196.2	200.6	192.2	182.8	188.3	180.0	180.0	175.6	170.5	163.4
50°	52.6	53.4	52.6	52.6	51.4	50.6	49.1	48.7	48.3	47.1	45.1
52.5°	21.4	20.2	20.2	20.6	20.6	19.8	20.2	20.2	19.8	19.4	19.4
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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	22.2	19.4	16.2	13.4	10.7	9.1	8.3	8.7
5°	37.6	28.5	18.6	11.9	8.3	6.3	5.1	4.7
7.5°	57.8	39.2	21.0	10.3	6.3	3.2	2.0	1.6
10°	88.6	51.0	22.5	8.7	4.0	0.8	0.0	0.0
12.5°	227.5	62.5	22.9	7.1	1.6	0.0	0.0	0.0
15°	467.6	95.3	22.2	5.1	0.4	0.0	0.0	0.0
17.5°	777.3	146.0	19.4	3.6	0.0	0.0	0.0	0.0
20°	1078.3	180.8	15.4	1.6	0.0	0.0	0.0	0.0
21°	1168.9	191.1	13.8	1.2	0.0	0.0	0.0	0.0
22°	1242.9	198.6	12.3	0.8	0.0	0.0	0.0	0.0
23°	1304.6	202.5	10.7	0.4	0.0	0.0	0.0	0.0
24°	1347.7	203.3	9.9	0.4	0.0	0.0	0.0	0.0
25°	1368.3	200.6	8.7	0.0	0.0	0.0	0.0	0.0
26°	1376.2	195.0	7.9	0.0	0.0	0.0	0.0	0.0
27°	1370.3	187.9	7.1	0.0	0.0	0.0	0.0	0.0
28°	1359.6	177.2	5.9	0.0	0.0	0.0	0.0	0.0
29°	1338.6	163.0	5.1	0.0	0.0	0.0	0.0	0.0
30°	1318.4	148.3	4.4	0.0	0.0	0.0	0.0	0.0
31°	1295.5	135.3	3.6	0.0	0.0	0.0	0.0	0.0
32°	1267.4	120.3	2.8	0.0	0.0	0.0	0.0	0.0
33°	1220.7	106.4	2.0	0.0	0.0	0.0	0.0	0.0
34°	1155.5	93.4	1.6	0.0	0.0	0.0	0.0	0.0
35°	1068.0	79.5	1.2	0.0	0.0	0.0	0.0	0.0
36°	972.3	64.9	0.8	0.0	0.0	0.0	0.0	0.0
37°	855.2	47.1	0.8	0.0	0.0	0.0	0.0	0.0
38°	733.0	29.7	0.4	0.0	0.0	0.0	0.0	0.0
39°	608.0	22.5	0.4	0.0	0.0	0.0	0.0	0.0
40°	493.7	19.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	264.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	155.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	31.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.3	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)