

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: P1324571

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MB\_6500K

Issue Date: 1/29/2026

**Test Information**

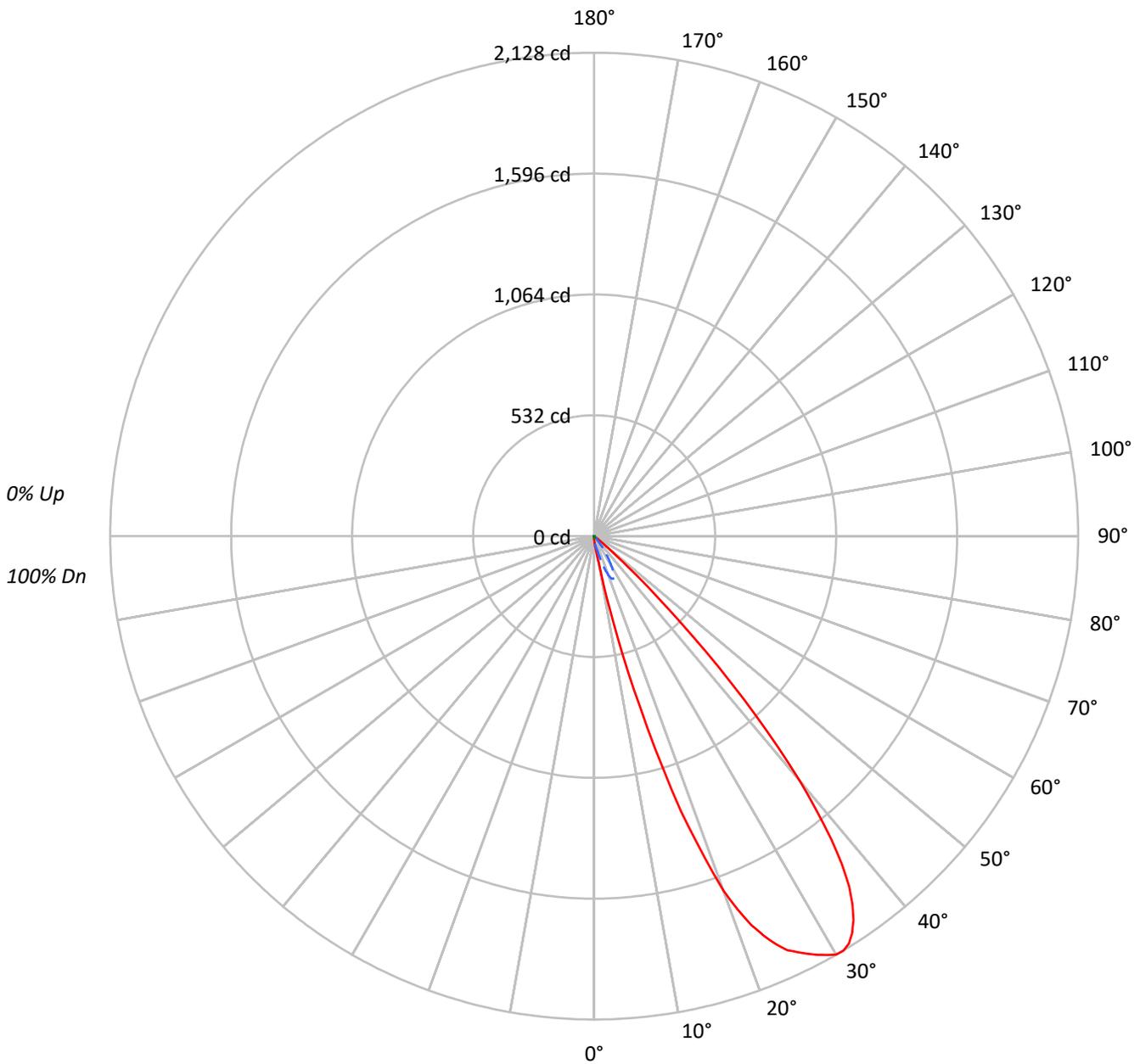
Test Method: LM-79-2019  
Report Number: P1324571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MB\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 417.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 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



— 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55			55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45			45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36			36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	2273	2273	2273	2273	2273
5°	7105	4979	2075	1106	830
10°	22420	9006	1539	140	0
15°	138645	17170	927	0	0
20°	303999	33448	293	0	0
25°	382144	38480	0	0	0
30°	423027	29790	0	0	0
35°	416411	16883	0	0	0
40°	316525	4406	0	0	0
45°	128210	1948	0	0	0
50°	14227	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: 128210 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.5
10°-20°	43.1	10.3
20°-30°	150.6	36.1
30°-40°	168.0	40.3
40°-50°	50.7	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°	195.7	46.9
0°-40°	363.7	87.2
0°-60°	416.1	99.8
0°-90°	417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	417.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	41	29	12	6	5	6
15°	778	96	5	0	0	259
25°	2011	202	0	0	0	917
35°	1981	80	0	0	0	1189
45°	526	8	0	0	0	455
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°	22.8	23.6	23.2	23.6	23.2	23.2	23.2	23.6	23.2	23.2	23.2
5°	41.1	41.5	41.5	41.1	41.1	41.9	41.1	41.5	40.3	41.1	40.7
7.5°	67.5	66.7	66.7	67.1	67.1	66.3	65.9	65.1	65.9	65.9	64.7
10°	128.2	127.4	125.4	124.6	125.4	125.4	121.4	122.2	122.6	119.0	117.8
12.5°	376.6	373.8	379.4	370.6	365.5	357.1	361.9	345.5	341.9	339.5	333.9
15°	777.6	798.8	789.6	790.4	792.0	772.0	778.8	754.1	733.3	726.9	722.5
17.5°	1268.1	1274.5	1266.1	1262.1	1260.5	1250.9	1239.3	1227.0	1211.0	1197.0	1185.4
20°	1658.7	1653.9	1639.6	1641.1	1624.0	1615.2	1605.2	1592.8	1580.4	1560.1	1540.5
21°	1761.8	1747.8	1748.2	1738.6	1738.2	1727.0	1709.4	1696.7	1685.5	1662.3	1649.9
22°	1846.4	1843.2	1836.1	1828.9	1821.3	1815.7	1796.1	1789.7	1767.0	1747.8	1730.2
23°	1912.3	1913.5	1907.2	1902.4	1892.0	1889.6	1864.4	1855.6	1840.1	1810.9	1792.9
24°	1967.1	1965.1	1957.9	1949.5	1943.5	1937.9	1918.7	1904.4	1887.2	1863.2	1845.6
25°	2011.0	2006.2	2001.4	1995.0	1985.4	1979.0	1959.5	1943.5	1928.7	1902.0	1878.0
26°	2037.0	2038.2	2030.6	2025.8	2017.4	2011.0	1990.6	1971.9	1953.5	1924.7	1903.2
27°	2063.3	2062.1	2055.3	2048.1	2039.4	2037.0	2013.4	1993.8	1975.0	1944.7	1919.1
28°	2087.7	2084.5	2078.9	2070.5	2060.9	2053.7	2031.0	2010.6	1990.2	1957.9	1929.9
29°	2108.1	2104.9	2101.3	2090.5	2078.1	2073.3	2048.9	2024.2	2003.8	1970.7	1941.1
30°	2127.2	2121.2	2112.8	2103.7	2091.7	2082.5	2056.9	2035.4	2011.4	1974.7	1946.3
31°	2128.0	2120.0	2114.0	2104.5	2090.9	2079.7	2052.9	2031.0	2003.0	1968.7	1937.9
32°	2114.0	2110.0	2100.5	2090.1	2076.9	2065.7	2036.2	2013.0	1986.6	1949.9	1919.1
33°	2082.5	2078.5	2072.9	2062.1	2044.9	2034.6	2008.2	1982.6	1956.7	1923.5	1888.4
34°	2039.0	2034.2	2027.0	2016.2	1998.6	1987.8	1966.7	1940.3	1912.7	1878.4	1845.6
35°	1980.6	1971.5	1969.5	1953.5	1937.1	1934.3	1909.1	1881.6	1853.6	1815.7	1787.3
36°	1908.3	1897.6	1890.4	1884.8	1874.0	1860.8	1836.1	1814.1	1778.1	1753.8	1713.8
37°	1809.7	1796.5	1803.3	1788.1	1771.4	1765.8	1734.2	1714.2	1683.9	1650.7	1616.8
38°	1694.7	1693.5	1691.9	1685.1	1656.3	1641.5	1628.4	1607.2	1580.8	1540.9	1495.0
39°	1549.3	1551.7	1543.3	1544.1	1529.7	1514.9	1496.6	1472.6	1440.6	1404.3	1367.2
40°	1407.9	1373.9	1379.9	1359.6	1360.8	1338.8	1314.8	1293.7	1273.3	1241.3	1190.6
42.5°	974.1	969.0	951.0	938.2	943.8	915.4	883.9	854.3	826.0	790.0	745.7
45°	526.4	514.4	518.0	497.3	497.3	484.5	475.7	450.9	424.6	408.2	382.6
47.5°	195.7	198.1	202.5	194.1	184.5	190.1	181.7	181.7	177.3	172.1	165.0
50°	53.1	53.9	53.1	53.1	51.9	51.1	49.5	49.1	48.7	47.5	45.5
52.5°	21.6	20.4	20.4	20.8	20.8	20.0	20.4	20.4	20.0	19.6	19.6
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°	22.4	19.6	16.4	13.6	10.8	9.2	8.4	8.8
5°	37.9	28.8	18.8	12.0	8.4	6.4	5.2	4.8
7.5°	58.3	39.5	21.2	10.4	6.4	3.2	2.0	1.6
10°	89.5	51.5	22.8	8.8	4.0	0.8	0.0	0.0
12.5°	229.7	63.1	23.2	7.2	1.6	0.0	0.0	0.0
15°	472.1	96.3	22.4	5.2	0.4	0.0	0.0	0.0
17.5°	784.8	147.4	19.6	3.6	0.0	0.0	0.0	0.0
20°	1088.8	182.5	15.6	1.6	0.0	0.0	0.0	0.0
21°	1180.2	192.9	14.0	1.2	0.0	0.0	0.0	0.0
22°	1254.9	200.5	12.4	0.8	0.0	0.0	0.0	0.0
23°	1317.2	204.5	10.8	0.4	0.0	0.0	0.0	0.0
24°	1360.8	205.3	10.0	0.4	0.0	0.0	0.0	0.0
25°	1381.5	202.5	8.8	0.0	0.0	0.0	0.0	0.0
26°	1389.5	196.9	8.0	0.0	0.0	0.0	0.0	0.0
27°	1383.5	189.7	7.2	0.0	0.0	0.0	0.0	0.0
28°	1372.7	178.9	6.0	0.0	0.0	0.0	0.0	0.0
29°	1351.6	164.6	5.2	0.0	0.0	0.0	0.0	0.0
30°	1331.2	149.8	4.4	0.0	0.0	0.0	0.0	0.0
31°	1308.0	136.6	3.6	0.0	0.0	0.0	0.0	0.0
32°	1279.7	121.4	2.8	0.0	0.0	0.0	0.0	0.0
33°	1232.6	107.4	2.0	0.0	0.0	0.0	0.0	0.0
34°	1166.7	94.3	1.6	0.0	0.0	0.0	0.0	0.0
35°	1078.4	80.3	1.2	0.0	0.0	0.0	0.0	0.0
36°	981.7	65.5	0.8	0.0	0.0	0.0	0.0	0.0
37°	863.5	47.5	0.8	0.0	0.0	0.0	0.0	0.0
38°	740.1	30.0	0.4	0.0	0.0	0.0	0.0	0.0
39°	613.9	22.8	0.4	0.0	0.0	0.0	0.0	0.0
40°	498.5	19.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	266.8	13.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	157.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	31.6	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)