

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: P1319792

Luminaire Tested: LDSQA3D05R259840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

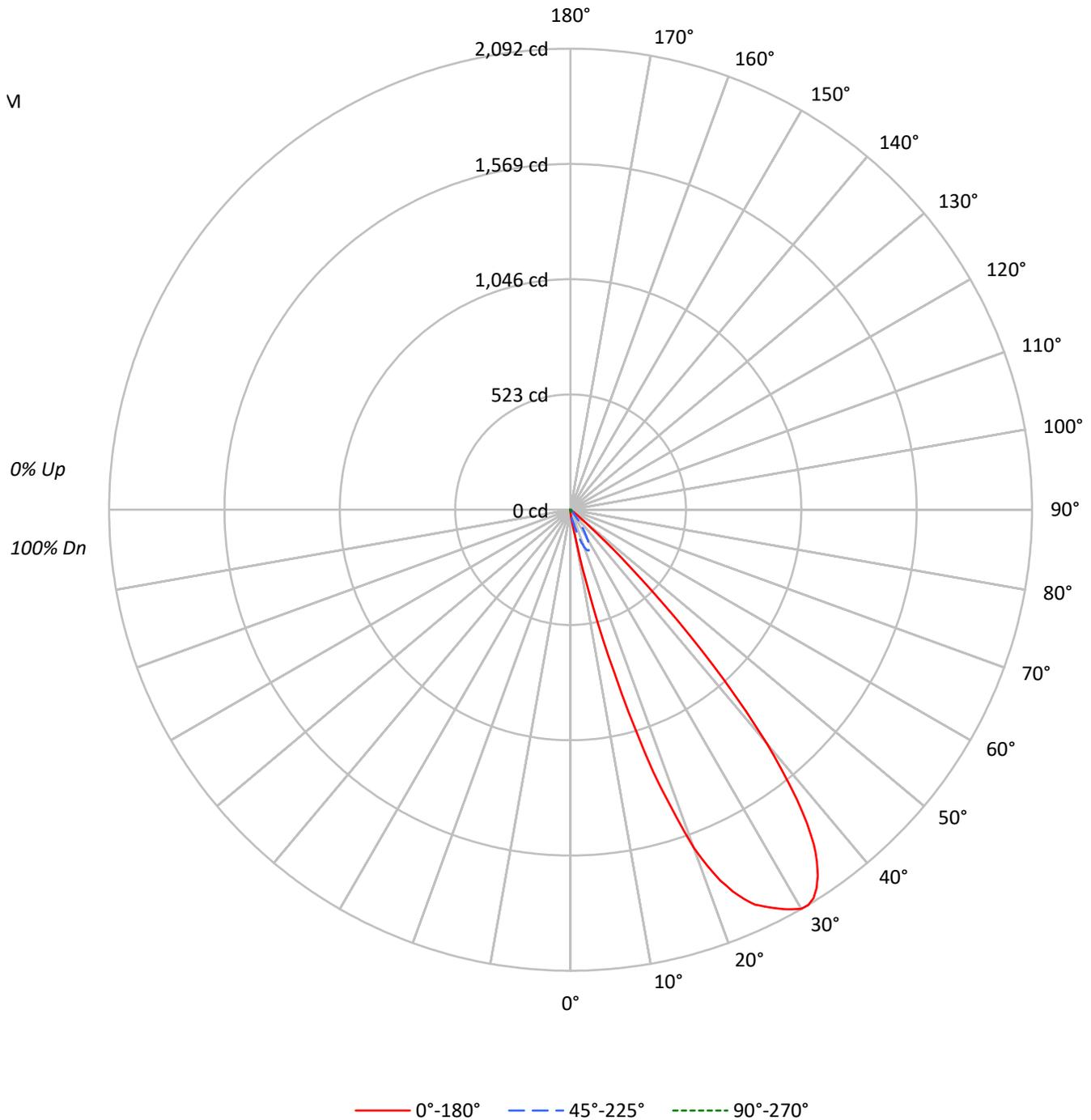
Test Method: LM-79-2019  
Report Number: P1319792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259840DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 410.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 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): 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			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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	2239	2239	2239	2239	2239
5°	6984	4893	2040	1089	813
10°	22052	8866	1504	140	0
15°	136327	16867	909	0	0
20°	298904	32898	293	0	0
25°	375721	37834	0	0	0
30°	415927	29293	0	0	0
35°	409431	16588	0	0	0
40°	311219	4317	0	0	0
45°	126066	1924	0	0	0
50°	13986	214	0	0	0
55°	1051	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: 126066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.5
10°-20°	42.3	10.3
20°-30°	148.0	36.1
30°-40°	165.1	40.3
40°-50°	49.9	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°	192.4	46.9
0°-40°	357.6	87.2
0°-60°	409.1	99.8
0°-90°	410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	40	28	12	6	5	6
15°	765	95	5	0	0	254
25°	1977	199	0	0	0	902
35°	1947	79	0	0	0	1169
45°	518	8	0	0	0	447
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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	22.4	23.2	22.8	23.2	22.8	22.8	22.8	23.2	22.8	22.8	22.8
5°	40.4	40.8	40.8	40.4	40.4	41.2	40.4	40.8	39.7	40.4	40.1
7.5°	66.4	65.6	65.6	66.0	66.0	65.2	64.8	64.0	64.8	64.8	63.6
10°	126.1	125.3	123.3	122.5	123.3	123.3	119.4	120.2	120.6	117.0	115.8
12.5°	370.3	367.6	373.1	364.4	359.3	351.1	355.8	339.7	336.2	333.8	328.3
15°	764.6	785.4	776.4	777.2	778.7	759.1	765.8	741.4	721.0	714.7	710.4
17.5°	1246.8	1253.1	1244.9	1240.9	1239.4	1229.9	1218.5	1206.4	1190.7	1176.9	1165.5
20°	1630.9	1626.2	1612.0	1613.6	1596.7	1588.1	1578.3	1566.1	1553.9	1533.9	1514.6
21°	1732.2	1718.4	1718.8	1709.4	1709.0	1698.0	1680.8	1668.2	1657.2	1634.4	1622.2
22°	1815.4	1812.3	1805.2	1798.2	1790.7	1785.2	1766.0	1759.7	1737.3	1718.4	1701.2
23°	1880.2	1881.4	1875.1	1870.4	1860.2	1857.9	1833.1	1824.5	1809.2	1780.5	1762.8
24°	1934.0	1932.1	1925.0	1916.8	1910.9	1905.4	1886.5	1872.4	1855.5	1831.9	1814.7
25°	1977.2	1972.5	1967.8	1961.5	1952.1	1945.8	1926.6	1910.9	1896.3	1870.0	1846.5
26°	2002.8	2003.9	1996.5	1991.8	1983.5	1977.2	1957.2	1938.8	1920.7	1892.4	1871.2
27°	2028.7	2027.5	2020.8	2013.8	2005.1	2002.8	1979.6	1960.4	1941.9	1912.1	1886.9
28°	2052.6	2049.5	2044.0	2035.8	2026.3	2019.3	1996.9	1976.8	1956.8	1925.0	1897.5
29°	2072.7	2069.5	2066.0	2055.4	2043.2	2038.5	2014.5	1990.2	1970.2	1937.6	1908.5
30°	2091.5	2085.6	2077.4	2068.3	2056.6	2047.5	2022.4	2001.2	1977.6	1941.5	1913.6
31°	2092.3	2084.4	2078.6	2069.1	2055.8	2044.8	2018.5	1996.9	1969.4	1935.6	1905.4
32°	2078.6	2074.6	2065.2	2055.0	2042.0	2031.0	2002.0	1979.2	1953.3	1917.2	1886.9
33°	2047.5	2043.6	2038.1	2027.5	2010.6	2000.4	1974.5	1949.4	1923.8	1891.2	1856.7
34°	2004.7	2000.0	1992.9	1982.3	1965.1	1954.5	1933.6	1907.7	1880.6	1846.9	1814.7
35°	1947.4	1938.4	1936.4	1920.7	1904.6	1901.8	1877.1	1850.0	1822.5	1785.2	1757.3
36°	1876.3	1865.7	1858.6	1853.1	1842.5	1829.6	1805.2	1783.6	1748.3	1724.3	1685.1
37°	1779.3	1766.4	1773.0	1758.1	1741.6	1736.1	1705.1	1685.5	1655.6	1623.0	1589.6
38°	1666.2	1665.0	1663.5	1656.8	1628.5	1614.0	1601.0	1580.2	1554.3	1515.0	1469.9
39°	1523.3	1525.6	1517.4	1518.2	1504.0	1489.5	1471.4	1447.9	1416.5	1380.7	1344.2
40°	1384.3	1350.9	1356.8	1336.7	1337.9	1316.3	1292.8	1272.0	1251.9	1220.5	1170.6
42.5°	957.8	952.7	935.0	922.4	927.9	900.1	869.0	840.0	812.1	776.8	733.2
45°	517.6	505.8	509.3	488.9	488.9	476.3	467.7	443.4	417.4	401.3	376.2
47.5°	192.4	194.8	199.1	190.9	181.4	186.9	178.7	178.7	174.4	169.3	162.2
50°	52.2	53.0	52.2	52.2	51.1	50.3	48.7	48.3	47.9	46.7	44.8
52.5°	21.2	20.0	20.0	20.4	20.4	19.6	20.0	20.0	19.6	19.2	19.2
55°	3.5	3.9	3.9	3.9	3.9	3.5	3.5	3.9	4.3	3.9	3.9
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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	22.0	19.2	16.1	13.4	10.6	9.0	8.2	8.6
5°	37.3	28.3	18.5	11.8	8.2	6.3	5.1	4.7
7.5°	57.3	38.9	20.8	10.2	6.3	3.1	2.0	1.6
10°	88.0	50.7	22.4	8.6	3.9	0.8	0.0	0.0
12.5°	225.8	62.0	22.8	7.1	1.6	0.0	0.0	0.0
15°	464.2	94.6	22.0	5.1	0.4	0.0	0.0	0.0
17.5°	771.7	144.9	19.2	3.5	0.0	0.0	0.0	0.0
20°	1070.5	179.5	15.3	1.6	0.0	0.0	0.0	0.0
21°	1160.4	189.7	13.7	1.2	0.0	0.0	0.0	0.0
22°	1233.9	197.1	12.2	0.8	0.0	0.0	0.0	0.0
23°	1295.1	201.1	10.6	0.4	0.0	0.0	0.0	0.0
24°	1337.9	201.8	9.8	0.4	0.0	0.0	0.0	0.0
25°	1358.3	199.1	8.6	0.0	0.0	0.0	0.0	0.0
26°	1366.2	193.6	7.9	0.0	0.0	0.0	0.0	0.0
27°	1360.3	186.5	7.1	0.0	0.0	0.0	0.0	0.0
28°	1349.7	175.9	5.9	0.0	0.0	0.0	0.0	0.0
29°	1328.9	161.8	5.1	0.0	0.0	0.0	0.0	0.0
30°	1308.9	147.3	4.3	0.0	0.0	0.0	0.0	0.0
31°	1286.1	134.3	3.5	0.0	0.0	0.0	0.0	0.0
32°	1258.2	119.4	2.7	0.0	0.0	0.0	0.0	0.0
33°	1211.9	105.6	2.0	0.0	0.0	0.0	0.0	0.0
34°	1147.1	92.7	1.6	0.0	0.0	0.0	0.0	0.0
35°	1060.3	78.9	1.2	0.0	0.0	0.0	0.0	0.0
36°	965.3	64.4	0.8	0.0	0.0	0.0	0.0	0.0
37°	849.0	46.7	0.8	0.0	0.0	0.0	0.0	0.0
38°	727.7	29.5	0.4	0.0	0.0	0.0	0.0	0.0
39°	603.6	22.4	0.4	0.0	0.0	0.0	0.0	0.0
40°	490.1	19.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	262.3	13.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	154.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	86.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	31.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	4.3	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)