

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: P1324481

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324481
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 1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

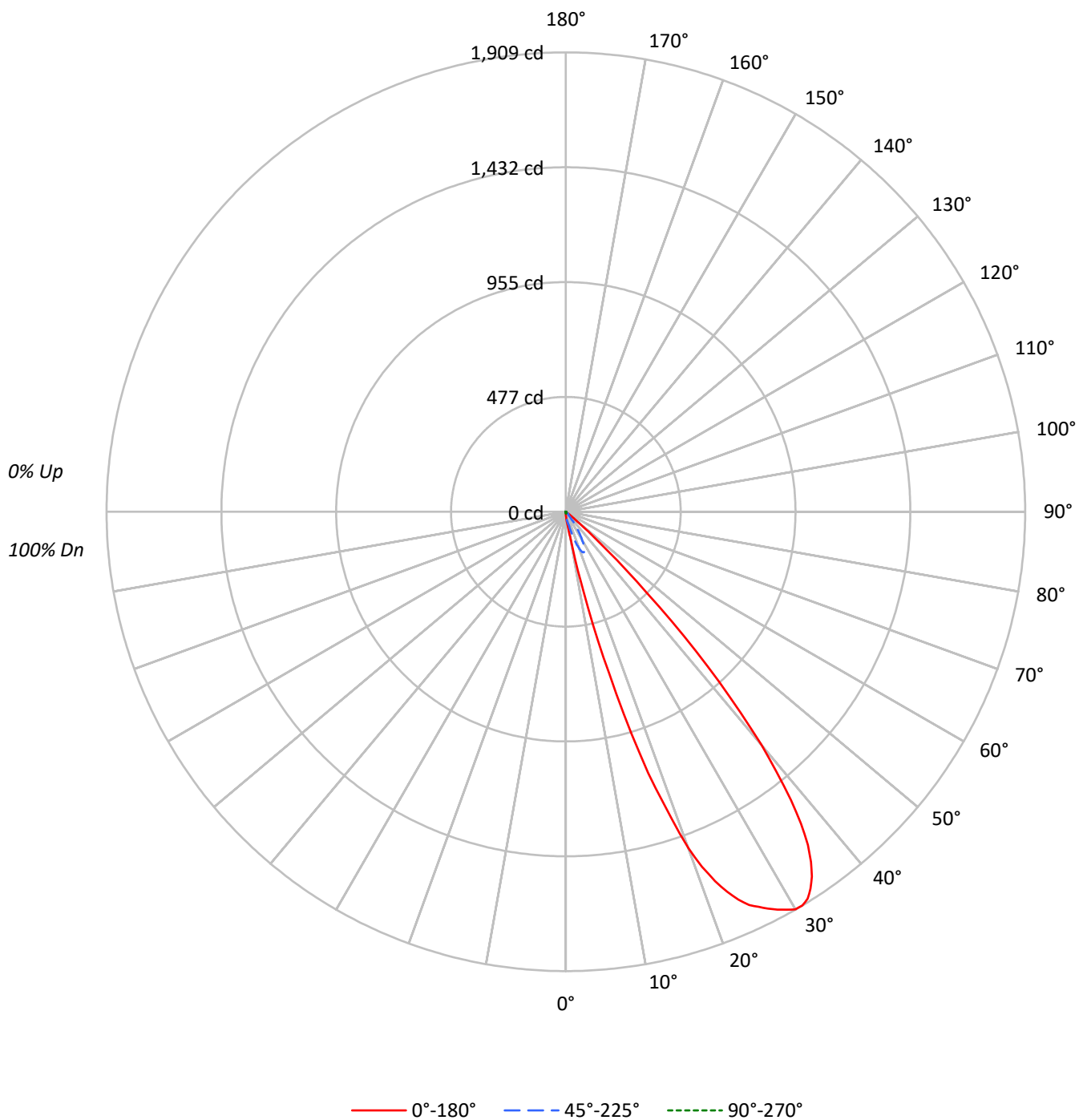
Lumens per Lamp: N/A
Luminaire Lumens: 374.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2032	2032	2032	2032	2032
5°	6379	4460	1850	985	743
10°	20111	8079	1382	122	0
15°	124363	15387	838	0	0
20°	272659	30002	257	0	0
25°	342732	34509	0	0	0
30°	379416	26708	0	0	0
35°	373479	15138	0	0	0
40°	283881	3957	0	0	0
45°	114984	1754	0	0	0
50°	12754	188	0	0	0
55°	961	0	120	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	732	0	0
80°	0	397	1091	0	0
85°	0	790	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 114984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	38.6	10.3
20°-30°	135.0	36.1
30°-40°	150.6	40.3
40°-50°	45.5	12.2
50°-60°	1.5	0.4
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°	175.5	46.9
0°-40°	326.2	87.2
0°-60°	373.2	99.8
0°-90°	374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	37	26	11	6	4	6
15°	698	86	5	0	0	232
25°	1804	182	0	0	0	823
35°	1776	72	0	0	0	1066
45°	472	7	0	0	0	408
55°	3	0	0	0	0	10
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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	20.4	21.1	20.8	21.1	20.8	20.8	20.8	21.1	20.8	20.8	20.8
5°	36.9	37.3	37.3	36.9	36.9	37.6	36.9	37.3	36.2	36.9	36.5
7.5°	60.5	59.8	59.8	60.2	60.2	59.5	59.1	58.4	59.1	59.1	58.0
10°	115.0	114.3	112.5	111.8	112.5	112.5	108.9	109.6	110.0	106.7	105.7
12.5°	337.8	335.3	340.3	332.4	327.8	320.2	324.5	309.9	306.6	304.5	299.5
15°	697.5	716.4	708.2	708.9	710.3	692.4	698.5	676.3	657.7	652.0	648.0
17.5°	1137.3	1143.1	1135.6	1132.0	1130.5	1121.9	1111.5	1100.4	1086.1	1073.6	1063.2
20°	1487.7	1483.4	1470.5	1471.9	1456.5	1448.6	1439.7	1428.6	1417.5	1399.2	1381.6
21°	1580.1	1567.6	1567.9	1559.3	1559.0	1548.9	1533.2	1521.7	1511.7	1490.9	1479.8
22°	1656.0	1653.2	1646.7	1640.3	1633.5	1628.5	1610.9	1605.2	1584.8	1567.6	1551.8
23°	1715.1	1716.2	1710.5	1706.2	1696.9	1694.7	1672.2	1664.3	1650.3	1624.2	1608.0
24°	1764.2	1762.4	1756.0	1748.5	1743.1	1738.1	1720.9	1708.0	1692.6	1671.1	1655.3
25°	1803.6	1799.3	1795.0	1789.3	1780.7	1775.0	1757.4	1743.1	1729.8	1705.8	1684.3
26°	1826.9	1828.0	1821.2	1816.9	1809.4	1803.6	1785.4	1768.5	1752.0	1726.3	1706.9
27°	1850.6	1849.5	1843.4	1836.9	1829.1	1826.9	1805.8	1788.2	1771.4	1744.2	1721.2
28°	1872.4	1869.5	1864.5	1857.0	1848.4	1842.0	1821.5	1803.3	1785.0	1756.0	1730.9
29°	1890.7	1887.8	1884.6	1874.9	1863.8	1859.5	1837.7	1815.4	1797.2	1767.4	1740.9
30°	1907.9	1902.5	1895.0	1886.7	1876.0	1867.7	1844.8	1825.5	1804.0	1771.0	1745.6
31°	1908.6	1901.4	1896.0	1887.4	1875.3	1865.2	1841.2	1821.5	1796.5	1765.7	1738.1
32°	1896.0	1892.5	1883.9	1874.6	1862.7	1852.7	1826.2	1805.4	1781.8	1748.8	1721.2
33°	1867.7	1864.2	1859.2	1849.5	1834.1	1824.8	1801.1	1778.2	1754.9	1725.2	1693.7
34°	1828.7	1824.4	1818.0	1808.3	1792.5	1782.9	1763.9	1740.2	1715.5	1684.7	1655.3
35°	1776.4	1768.2	1766.4	1752.0	1737.4	1734.8	1712.3	1687.6	1662.5	1628.5	1603.0
36°	1711.6	1701.9	1695.4	1690.4	1680.8	1668.9	1646.7	1627.0	1594.8	1572.9	1537.1
37°	1623.1	1611.3	1617.4	1603.7	1588.7	1583.7	1555.4	1537.5	1510.2	1480.5	1450.1
38°	1519.9	1518.8	1517.4	1511.3	1485.5	1472.3	1460.5	1441.5	1417.8	1382.0	1340.8
39°	1389.5	1391.7	1384.2	1384.9	1372.0	1358.7	1342.2	1320.7	1292.1	1259.5	1226.2
40°	1262.7	1232.3	1237.6	1219.4	1220.4	1200.7	1179.3	1160.3	1142.0	1113.3	1067.8
42.5°	873.7	869.0	852.9	841.5	846.5	821.0	792.7	766.2	740.8	708.6	668.8
45°	472.1	461.4	464.6	446.0	446.0	434.5	426.6	404.4	380.8	366.1	343.2
47.5°	175.5	177.7	181.6	174.1	165.5	170.5	163.0	163.0	159.0	154.4	147.9
50°	47.6	48.4	47.6	47.6	46.6	45.9	44.4	44.1	43.7	42.6	40.8
52.5°	19.3	18.3	18.3	18.6	18.6	17.9	18.3	18.3	17.9	17.6	17.6
55°	3.2	3.6	3.6	3.6	3.6	3.2	3.2	3.6	3.9	3.6	3.6
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°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	20.1	17.6	14.7	12.2	9.7	8.2	7.5	7.9
5°	34.0	25.8	16.8	10.7	7.5	5.7	4.7	4.3
7.5°	52.3	35.5	19.0	9.3	5.7	2.9	1.8	1.4
10°	80.2	46.2	20.4	7.9	3.6	0.7	0.0	0.0
12.5°	206.0	56.6	20.8	6.4	1.4	0.0	0.0	0.0
15°	423.4	86.3	20.1	4.7	0.4	0.0	0.0	0.0
17.5°	703.9	132.2	17.6	3.2	0.0	0.0	0.0	0.0
20°	976.5	163.7	14.0	1.4	0.0	0.0	0.0	0.0
21°	1058.5	173.0	12.5	1.1	0.0	0.0	0.0	0.0
22°	1125.5	179.8	11.1	0.7	0.0	0.0	0.0	0.0
23°	1181.4	183.4	9.7	0.4	0.0	0.0	0.0	0.0
24°	1220.4	184.1	9.0	0.4	0.0	0.0	0.0	0.0
25°	1239.1	181.6	7.9	0.0	0.0	0.0	0.0	0.0
26°	1246.2	176.6	7.2	0.0	0.0	0.0	0.0	0.0
27°	1240.9	170.2	6.4	0.0	0.0	0.0	0.0	0.0
28°	1231.2	160.5	5.4	0.0	0.0	0.0	0.0	0.0
29°	1212.2	147.6	4.7	0.0	0.0	0.0	0.0	0.0
30°	1193.9	134.3	3.9	0.0	0.0	0.0	0.0	0.0
31°	1173.2	122.5	3.2	0.0	0.0	0.0	0.0	0.0
32°	1147.7	108.9	2.5	0.0	0.0	0.0	0.0	0.0
33°	1105.5	96.4	1.8	0.0	0.0	0.0	0.0	0.0
34°	1046.4	84.5	1.4	0.0	0.0	0.0	0.0	0.0
35°	967.2	72.0	1.1	0.0	0.0	0.0	0.0	0.0
36°	880.5	58.7	0.7	0.0	0.0	0.0	0.0	0.0
37°	774.5	42.6	0.7	0.0	0.0	0.0	0.0	0.0
38°	663.8	26.9	0.4	0.0	0.0	0.0	0.0	0.0
39°	550.6	20.4	0.4	0.0	0.0	0.0	0.0	0.0
40°	447.1	17.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	239.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	141.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	78.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	28.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3.9	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	0.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.4	0.0	0.0	0.0
67.5°	0.0	0.4	0.7	0.7	0.4	0.0	0.0	0.0
70°	0.0	0.4	0.7	0.7	0.4	0.0	0.0	0.0
72.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
75°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
77.5°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.7	1.1	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	0.7	1.1	0.4	0.0	0.0	0.0
85°	0.0	0.4	0.7	1.1	0.4	0.0	0.0	0.0
87.5°	0.0	0.4	0.7	1.1	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)