

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: P1323785

Luminaire Tested: LDSQA3D09R409030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

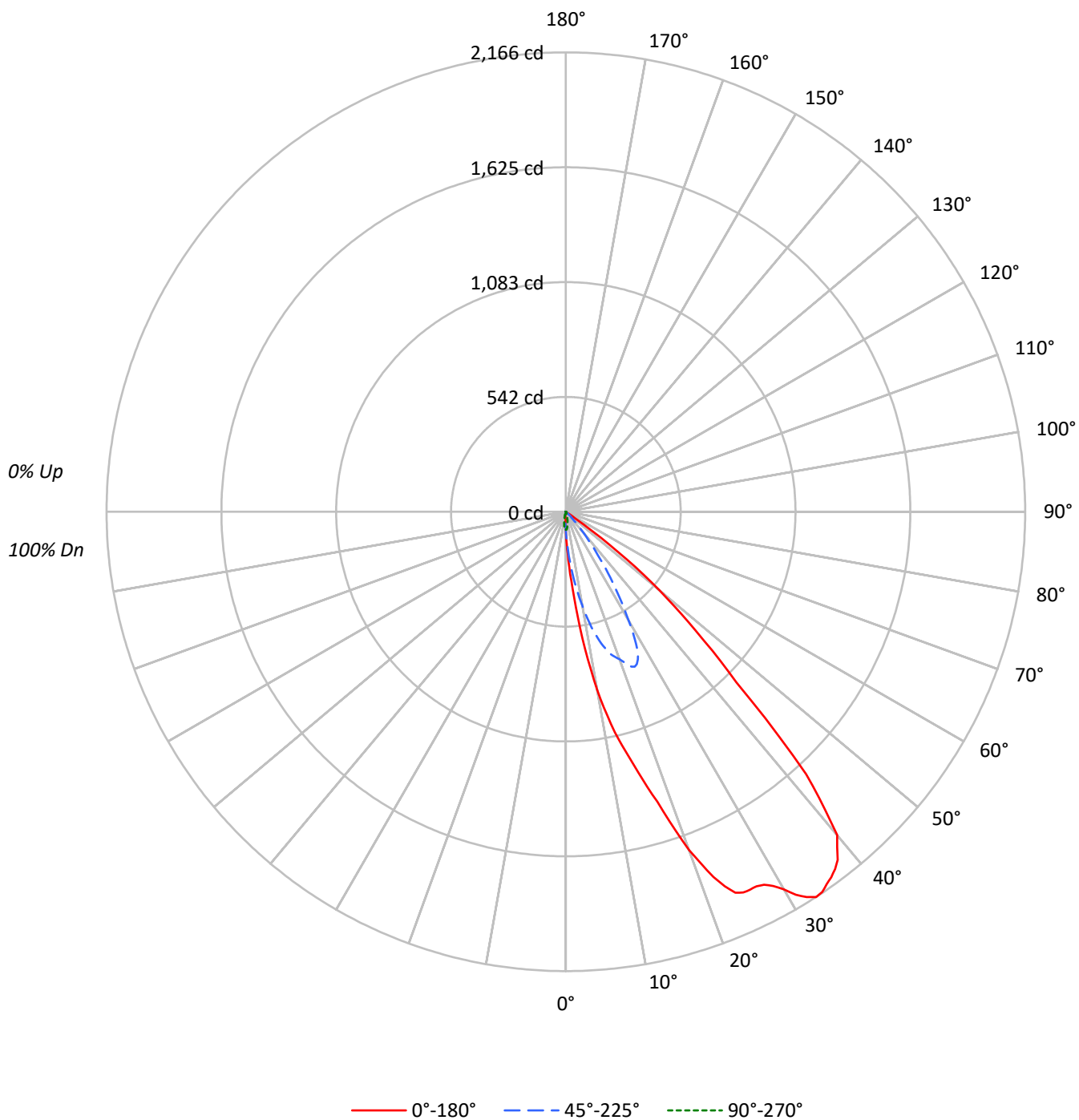
Lumens per Lamp: N/A
Luminaire Lumens: 727.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14639	14639	14639	14639	14639
5°	62151	42356	12845	2317	1158
10°	149400	78801	7957	227	0
15°	219895	114485	3334	0	0
20°	310817	135716	1228	0	0
25°	376462	150634	0	0	0
30°	408748	117828	0	0	0
35°	450723	68981	0	0	0
40°	447348	27990	0	0	0
45°	277049	8159	0	0	0
50°	154275	188	0	0	0
55°	15073	0	0	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	352	655	0	0
75°	0	466	865	0	0
80°	0	694	1289	0	0
85°	0	1383	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 278364 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	2.2
10°-20°	93.7	12.9
20°-30°	213.9	29.4
30°-40°	252.6	34.7
40°-50°	134.9	18.6
50°-60°	14.7	2.0
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	323.5	44.5
0°-40°	576.1	79.2
0°-60°	725.7	99.8
0°-90°	727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	85	85	85	85	85	
5°	360	245	74	13	7	51
15°	1233	642	19	0	0	366
25°	1981	793	0	0	0	900
35°	2144	328	0	0	0	1324
45°	1138	34	0	0	0	938
55°	50	0	0	0	0	141
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2.5°	198.2	194.2	196.8	191.5	191.5	179.4	180.1	170.1	155.3	118.5	84.4
5°	359.5	375.6	362.9	346.1	336.8	324.7	308.7	291.9	245.0	148.0	74.3
7.5°	601.9	600.6	579.1	561.1	540.3	508.2	478.0	437.2	348.8	169.4	61.6
10°	854.3	849.6	825.5	810.1	770.6	724.4	662.8	597.2	450.6	176.8	45.5
12.5°	1064.5	1058.5	1038.4	1012.3	968.8	910.6	844.3	757.9	557.7	168.7	29.5
15°	1233.3	1231.9	1212.5	1177.0	1131.5	1074.6	999.6	895.8	642.1	148.0	18.7
17.5°	1433.5	1441.5	1406.7	1368.5	1302.9	1223.2	1131.5	1013.0	704.3	122.5	12.1
20°	1695.9	1684.5	1652.4	1596.8	1533.9	1438.1	1308.3	1138.9	740.5	95.1	6.7
21°	1776.3	1771.6	1738.1	1686.5	1616.9	1519.8	1385.9	1203.1	757.2	85.0	5.4
22°	1857.9	1849.9	1823.8	1773.6	1708.0	1598.2	1450.9	1269.4	778.7	74.3	3.3
23°	1918.9	1915.5	1895.4	1845.9	1778.3	1671.8	1521.2	1331.0	793.4	64.3	2.0
24°	1965.7	1961.7	1941.6	1904.1	1845.9	1734.7	1592.1	1397.3	799.4	55.6	0.7
25°	1981.1	1983.1	1971.1	1941.6	1892.7	1781.6	1645.0	1449.5	792.7	47.5	0.0
26°	1981.8	1987.8	1979.1	1962.4	1922.2	1819.1	1694.6	1480.3	775.3	40.2	0.0
27°	1981.8	1987.8	1979.1	1966.4	1926.9	1840.5	1721.4	1483.7	748.5	34.1	0.0
28°	1991.2	1994.5	1983.1	1967.7	1924.9	1847.2	1728.7	1463.6	705.7	29.5	0.0
29°	2017.3	2013.9	1995.2	1974.4	1922.9	1847.2	1706.6	1425.4	652.1	24.8	0.0
30°	2055.4	2055.4	2026.0	1993.2	1932.3	1846.6	1671.1	1356.5	592.5	20.1	0.0
31°	2107.0	2102.3	2072.9	2024.0	1952.3	1846.6	1618.9	1280.1	537.6	17.4	0.0
32°	2141.8	2139.1	2111.0	2053.4	1985.1	1846.6	1562.7	1195.8	478.0	14.1	0.0
33°	2165.9	2160.6	2128.4	2068.8	2005.2	1837.2	1499.7	1105.4	424.5	11.4	0.0
34°	2162.6	2161.2	2127.8	2066.2	2001.2	1798.3	1426.8	1005.0	374.9	9.4	0.0
35°	2143.8	2143.8	2103.0	2039.4	1972.4	1741.4	1354.5	919.3	328.1	6.7	0.0
36°	2129.8	2124.4	2078.2	2007.2	1924.2	1651.7	1247.3	832.9	277.9	5.4	0.0
37°	2109.0	2099.0	2047.4	1971.1	1855.9	1554.6	1134.8	755.9	235.0	3.3	0.0
38°	2082.2	2066.8	2003.9	1928.9	1780.9	1442.8	1020.4	669.5	195.5	2.0	0.0
39°	2033.3	2020.6	1955.7	1874.7	1691.2	1325.0	909.2	588.5	158.0	0.7	0.0
40°	1989.8	1967.7	1894.1	1801.0	1586.1	1191.8	798.7	508.8	124.5	0.0	0.0
42.5°	1677.8	1654.4	1637.7	1545.3	1263.4	855.7	557.7	326.1	64.9	0.0	0.0
45°	1137.5	1142.9	1090.7	1028.4	833.6	557.7	348.8	181.4	33.5	0.0	0.0
47.5°	829.5	815.5	744.5	626.7	488.8	326.1	182.1	87.7	13.4	0.0	0.0
50°	575.8	549.0	484.7	396.4	265.8	155.3	80.3	40.8	0.7	0.0	0.0
52.5°	312.7	293.9	249.1	180.8	110.5	59.6	32.1	16.7	0.0	0.0	0.0
55°	50.2	34.8	36.2	30.8	24.1	17.4	10.0	2.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3
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):

	112.5°	135°	157.5°	180°
0°	85.0	85.0	85.0	85.0
2.5°	56.9	38.8	29.5	25.4
5°	32.8	13.4	7.4	6.7
7.5°	16.1	4.7	2.7	2.7
10°	6.7	1.3	0.0	0.0
12.5°	2.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)