

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: P1319096

Luminaire Tested: LDSQA3D09R359835DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359835DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

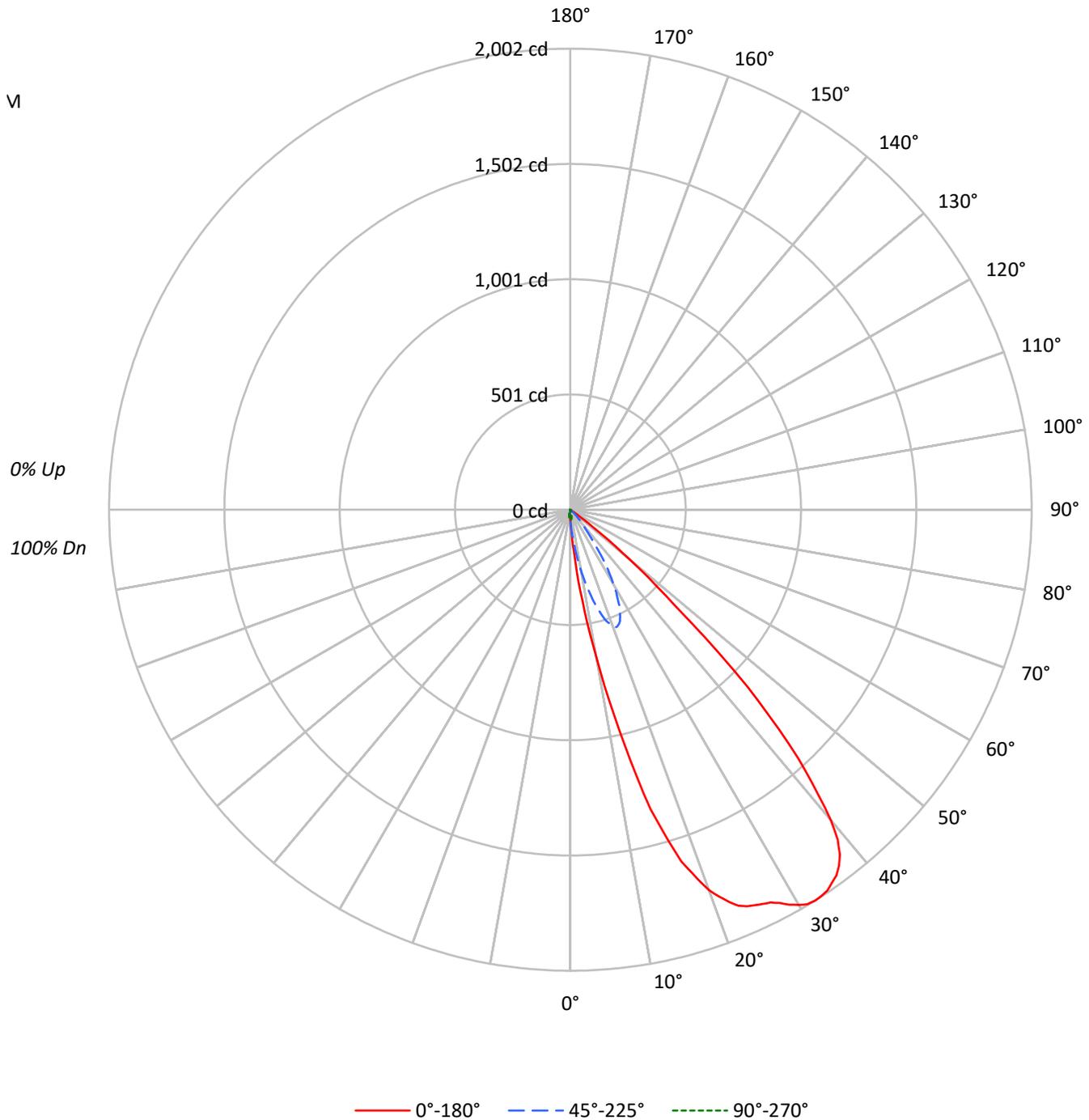
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (A_{in}): 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	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7767	7767	7767	7767	7767
5°	33729	20901	7192	2559	1781
10°	113532	47182	5386	595	192
15°	240257	77399	3352	0	0
20°	322143	98914	1576	0	0
25°	360025	97142	323	0	0
30°	394132	74415	0	0	0
35°	415970	40535	0	0	0
40°	395415	18210	0	0	0
45°	265383	8062	0	0	0
50°	88658	777	0	0	0
55°	4804	0	0	0	0
60°	0	0	207	0	0
65°	0	0	448	0	0
70°	0	302	554	0	0
75°	0	399	732	0	0
80°	0	595	1091	0	0
85°	0	1186	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 265383 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	1.6
10°-20°	83.0	13.9
20°-30°	182.1	30.4
30°-40°	210.6	35.2
40°-50°	103.9	17.4
50°-60°	7.7	1.3
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	274.7	45.9
0°-40°	485.3	81.2
0°-60°	596.9	99.8
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	195	121	42	15	10	34
15°	1348	434	19	0	0	380
25°	1895	511	2	0	0	876
35°	1978	193	0	0	0	1222
45°	1090	33	0	0	0	800
55°	16	0	0	0	0	65
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°	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2.5°	89.6	91.8	90.7	90.7	90.1	87.3	82.2	80.4	74.2	58.8	45.6
5°	195.1	195.7	194.0	185.4	178.0	171.1	156.3	149.5	120.9	71.9	41.6
7.5°	395.9	387.4	376.5	364.5	338.3	314.3	283.0	249.9	187.1	83.3	37.1
10°	649.2	637.2	628.1	599.6	552.2	503.2	443.3	389.1	269.8	91.3	30.8
12.5°	976.1	969.3	936.7	879.7	809.5	738.8	634.4	548.2	353.1	93.0	25.1
15°	1347.5	1336.1	1286.5	1205.4	1110.2	998.9	859.2	714.3	434.1	87.9	18.8
17.5°	1601.4	1595.1	1552.3	1467.3	1357.8	1216.3	1050.8	870.0	500.9	77.0	13.1
20°	1757.7	1748.6	1708.6	1636.7	1522.1	1374.3	1178.1	969.3	539.7	63.3	8.6
21°	1798.2	1789.1	1757.1	1682.4	1572.8	1414.2	1212.9	993.2	547.1	57.0	6.8
22°	1836.4	1827.3	1793.6	1727.4	1619.1	1453.6	1240.2	1011.5	546.0	51.9	5.1
23°	1868.4	1858.7	1825.6	1764.5	1655.6	1488.4	1260.8	1020.6	538.5	46.8	4.0
24°	1884.9	1879.2	1849.5	1791.9	1685.2	1512.9	1275.0	1024.0	529.4	41.6	2.9
25°	1894.6	1887.8	1858.7	1805.6	1704.6	1532.3	1284.2	1021.2	511.2	37.1	1.7
26°	1904.9	1894.6	1861.5	1810.2	1714.9	1541.5	1284.7	1013.8	491.8	33.1	0.6
27°	1914.0	1904.3	1870.1	1813.6	1716.6	1538.6	1280.2	999.5	468.4	29.1	0.6
28°	1934.0	1923.1	1883.8	1821.0	1718.3	1531.2	1265.9	980.1	437.6	25.7	0.0
29°	1960.2	1948.8	1903.7	1838.7	1722.3	1523.2	1246.5	954.4	410.8	22.8	0.0
30°	1981.9	1971.6	1930.0	1860.9	1732.6	1515.8	1223.7	919.6	374.2	19.4	0.0
31°	1997.9	1987.6	1949.4	1879.8	1741.7	1509.0	1195.2	883.7	341.2	17.1	0.0
32°	2001.9	1993.3	1957.4	1887.8	1741.7	1498.7	1168.9	843.2	308.6	14.3	0.0
33°	2000.1	1991.6	1955.1	1882.1	1726.3	1474.2	1137.0	794.7	271.6	12.6	0.0
34°	1993.9	1983.6	1944.8	1863.8	1696.1	1432.5	1090.8	746.2	232.8	10.3	0.0
35°	1978.5	1969.3	1927.1	1829.6	1649.3	1369.2	1029.2	690.3	192.8	8.6	0.0
36°	1963.6	1949.9	1898.0	1787.4	1587.7	1304.1	955.6	625.8	158.6	6.8	0.0
37°	1936.2	1916.9	1864.4	1726.3	1500.4	1212.3	871.7	555.1	132.9	5.1	0.0
38°	1899.7	1873.5	1806.7	1655.6	1412.5	1126.2	793.0	491.2	111.8	3.4	0.0
39°	1843.3	1812.5	1721.7	1558.6	1311.0	1026.3	702.8	423.3	95.3	2.3	0.0
40°	1758.8	1729.7	1629.3	1443.3	1210.0	916.2	610.4	346.9	81.0	1.1	0.0
42.5°	1464.5	1424.5	1308.1	1123.3	894.5	658.9	403.9	192.8	53.6	0.0	0.0
45°	1089.6	1054.3	940.2	771.9	596.2	403.3	216.2	113.5	33.1	0.0	0.0
47.5°	615.6	611.6	537.4	443.3	332.6	214.5	109.5	68.5	14.3	0.0	0.0
50°	330.9	310.3	267.6	203.1	138.6	93.6	59.3	37.7	2.9	0.0	0.0
52.5°	120.9	117.0	98.1	81.6	62.8	42.8	30.2	16.5	0.0	0.0	0.0
55°	16.0	14.8	15.4	16.5	17.1	14.8	9.7	3.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.1	1.1	1.1	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1



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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	0.0	0.6	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
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°	45.1	45.1	45.1	45.1
2.5°	34.8	26.8	22.8	22.2
5°	24.0	14.8	10.8	10.3
7.5°	16.5	7.4	5.1	4.6
10°	9.7	3.4	1.7	1.1
12.5°	5.7	0.6	0.0	0.0
15°	1.7	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°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)