

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: P1313519

Luminaire Tested: LDSQA3D09R359727DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313519
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: LDSQA3D09R359727DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

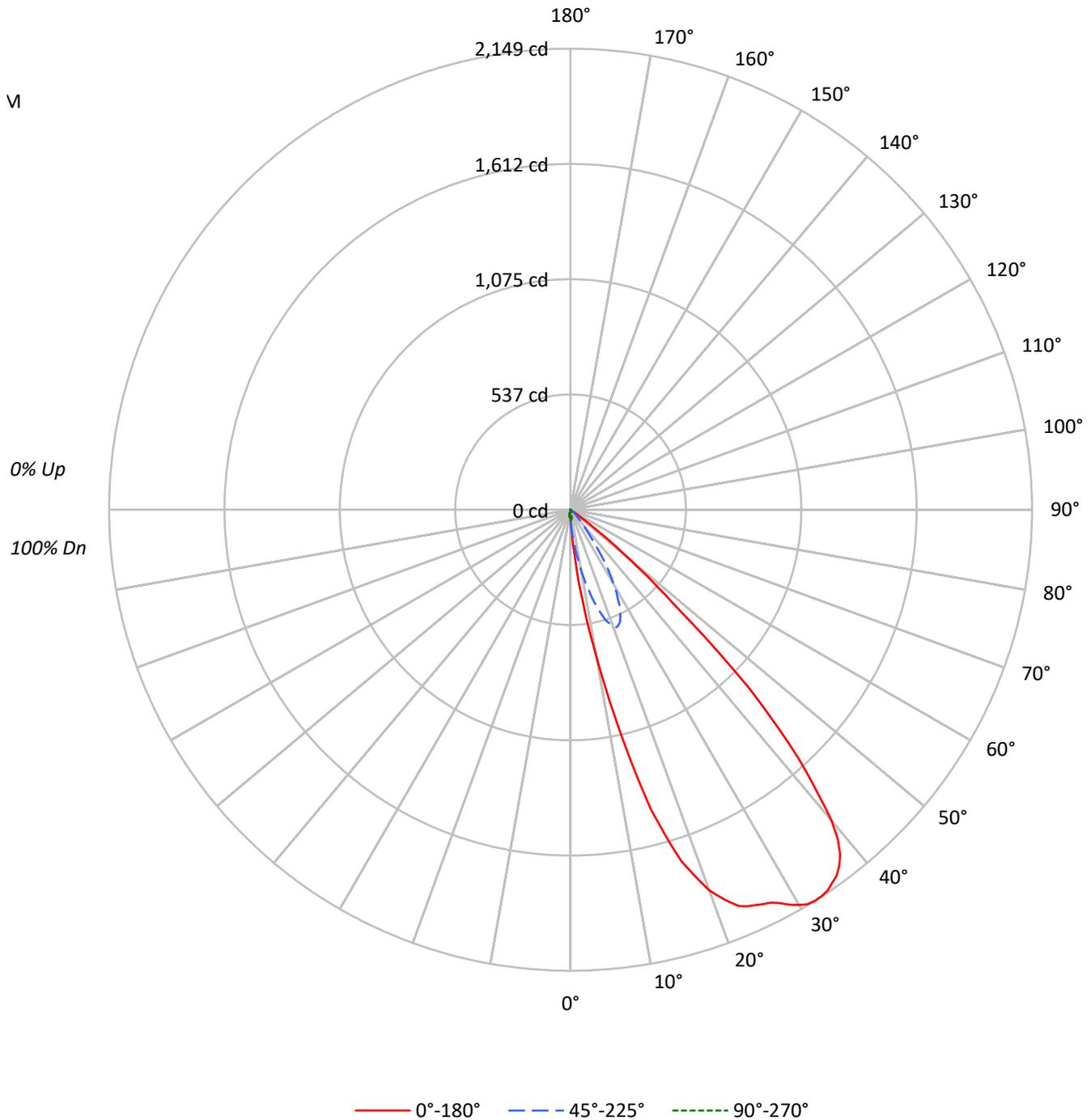
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 57.8 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): 11.1
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	55	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°	8336	8336	8336	8336	8336
5°	36218	22440	7728	2749	1902
10°	121891	50663	5789	647	210
15°	257926	83105	3602	0	0
20°	345841	106190	1686	0	0
25°	386514	104287	342	0	0
30°	423126	79904	0	0	0
35°	446560	43521	0	0	0
40°	424506	19559	0	0	0
45°	284916	8646	0	0	0
50°	95169	831	0	0	0
55°	5134	0	0	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 284916 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	1.6
10°-20°	89.1	13.9
20°-30°	195.4	30.4
30°-40°	226.1	35.2
40°-50°	111.6	17.4
50°-60°	8.3	1.3
60°-70°	0.3	0.0
70°-80°	0.5	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°	294.9	45.9
0°-40°	521.0	81.2
0°-60°	640.8	99.8
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	210	130	45	16	11	36
15°	1447	466	20	0	0	408
25°	2034	549	2	0	0	940
35°	2124	207	0	0	0	1311
45°	1170	36	0	0	0	859
55°	17	0	0	0	0	70
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°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
2.5°	96.2	98.6	97.4	97.4	96.8	93.7	88.2	86.4	79.6	63.1	49.0
5°	209.5	210.1	208.2	199.1	191.1	183.7	167.8	160.5	129.8	77.2	44.7
7.5°	425.1	415.9	404.2	391.4	363.2	337.5	303.8	268.3	200.9	89.4	39.8
10°	697.0	684.1	674.3	643.7	592.9	540.2	475.9	417.7	289.7	98.0	33.1
12.5°	1047.9	1040.6	1005.7	944.4	869.1	793.1	681.1	588.6	379.1	99.8	26.9
15°	1446.6	1434.4	1381.1	1294.1	1191.9	1072.4	922.4	766.8	466.1	94.3	20.2
17.5°	1719.2	1712.5	1666.5	1575.3	1457.7	1305.8	1128.2	934.0	537.7	82.7	14.1
20°	1887.0	1877.2	1834.3	1757.2	1634.1	1475.4	1264.7	1040.6	579.4	68.0	9.2
21°	1930.5	1920.7	1886.4	1806.2	1688.6	1518.3	1302.1	1066.3	587.4	61.2	7.3
22°	1971.5	1961.7	1925.6	1854.6	1738.2	1560.6	1331.5	1085.9	586.1	55.7	5.5
23°	2005.8	1995.4	1959.9	1894.4	1777.4	1597.9	1353.6	1095.7	578.2	50.2	4.3
24°	2023.6	2017.5	1985.6	1923.8	1809.2	1624.3	1368.9	1099.4	568.4	44.7	3.1
25°	2034.0	2026.7	1995.4	1938.5	1830.1	1645.1	1378.7	1096.3	548.8	39.8	1.8
26°	2045.0	2034.0	1998.5	1943.4	1841.1	1654.9	1379.3	1088.4	527.9	35.5	0.6
27°	2054.8	2044.4	2007.7	1947.0	1842.9	1651.8	1374.4	1073.0	502.8	31.2	0.6
28°	2076.3	2064.6	2022.4	1955.0	1844.8	1643.9	1359.1	1052.2	469.8	27.6	0.0
29°	2104.4	2092.2	2043.8	1974.0	1849.0	1635.3	1338.2	1024.7	441.0	24.5	0.0
30°	2127.7	2116.7	2072.0	1997.9	1860.1	1627.3	1313.7	987.3	401.8	20.8	0.0
31°	2144.9	2133.8	2092.8	2018.1	1869.9	1620.0	1283.1	948.7	366.3	18.4	0.0
32°	2149.1	2140.0	2101.4	2026.7	1869.9	1609.0	1254.9	905.2	331.3	15.3	0.0
33°	2147.3	2138.1	2098.9	2020.5	1853.3	1582.6	1220.6	853.2	291.5	13.5	0.0
34°	2140.6	2129.5	2087.9	2000.9	1820.9	1537.9	1171.0	801.1	249.9	11.0	0.0
35°	2124.0	2114.2	2068.9	1964.2	1770.6	1469.9	1104.9	741.1	207.0	9.2	0.0
36°	2108.1	2093.4	2037.7	1918.9	1704.5	1400.1	1025.9	671.9	170.3	7.3	0.0
37°	2078.7	2057.9	2001.5	1853.3	1610.8	1301.5	935.9	595.9	142.7	5.5	0.0
38°	2039.5	2011.3	1939.7	1777.4	1516.5	1209.0	851.3	527.3	120.0	3.7	0.0
39°	1978.9	1945.8	1848.4	1673.3	1407.5	1101.8	754.6	454.5	102.3	2.4	0.0
40°	1888.2	1857.0	1749.2	1549.5	1299.0	983.6	655.3	372.4	87.0	1.2	0.0
42.5°	1572.2	1529.3	1404.4	1205.9	960.3	707.4	433.6	207.0	57.6	0.0	0.0
45°	1169.8	1131.8	1009.3	828.7	640.0	433.0	232.1	121.9	35.5	0.0	0.0
47.5°	660.9	656.6	576.9	475.9	357.1	230.3	117.6	73.5	15.3	0.0	0.0
50°	355.2	333.2	287.2	218.0	148.8	100.4	63.7	40.4	3.1	0.0	0.0
52.5°	129.8	125.6	105.3	87.6	67.4	45.9	32.5	17.8	0.0	0.0	0.0
55°	17.1	15.9	16.5	17.8	18.4	15.9	10.4	3.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.2	1.2	1.2	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	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2



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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	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
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°	48.4	48.4	48.4	48.4
2.5°	37.4	28.8	24.5	23.9
5°	25.7	15.9	11.6	11.0
7.5°	17.8	8.0	5.5	4.9
10°	10.4	3.7	1.8	1.2
12.5°	6.1	0.6	0.0	0.0
15°	1.8	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)