

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: P1320309

Luminaire Tested: LDSQA3D17R559840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

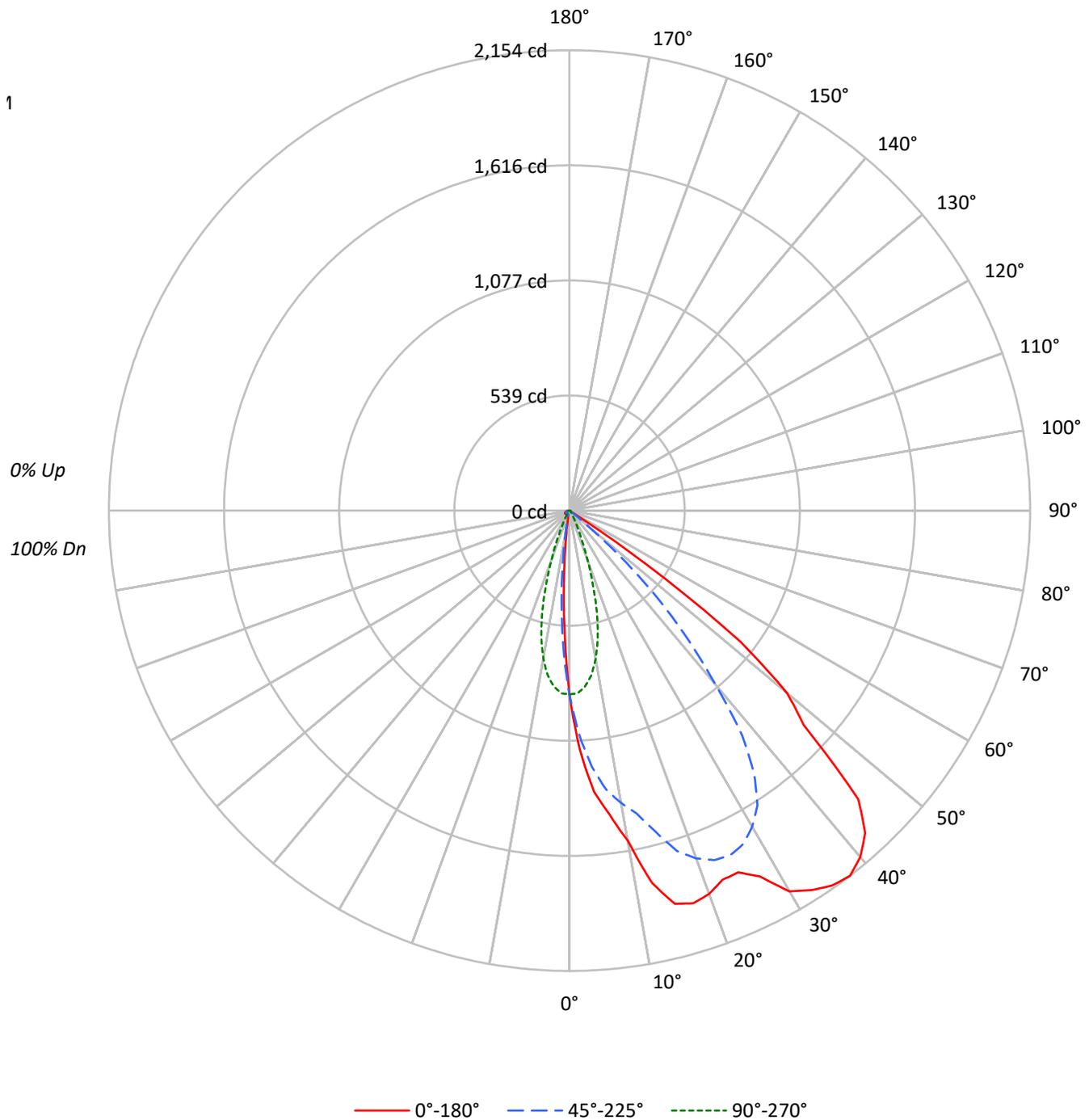
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	148025	148025	148025	148025	148025
5°	228271	207802	142989	73440	48234
10°	274263	242890	123080	18520	7415
15°	339586	277396	87954	5099	3994
20°	349745	317323	45434	3427	3427
25°	354818	338019	18224	3078	3553
30°	408967	339623	7935	3222	3719
35°	450198	316629	3406	3406	4184
40°	475518	238310	1956	3912	4474
45°	465101	145624	1827	4238	5456
50°	355785	31026	2009	5010	6350
55°	130523	1111	2252	5615	7116
60°	1274	1274	2583	6441	8163
65°	1508	1508	3056	6602	8639
70°	1259	1863	3122	7503	10021
75°	799	1664	3327	8318	11578
80°	1190	2479	3670	8629	12397
85°	0	2371	4940	9880	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 465101 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	5.3
10°-20°	216.7	15.1
20°-30°	332.4	23.2
30°-40°	387.3	27.0
40°-50°	309.5	21.6
50°-60°	91.6	6.4
60°-70°	9.8	0.7
70°-80°	7.7	0.5
80°-90°	3.3	0.2
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°	624.8	43.6
0°-40°	1012.1	70.6
0°-60°	1413.2	98.6
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	860	860	860	860	860	
5°	1320	1202	827	425	279	132
15°	1905	1556	493	29	22	526
25°	1867	1779	96	16	19	887
35°	2141	1506	16	16	20	1334
45°	1910	598	8	17	22	1377
55°	435	4	8	19	24	461
65°	4	4	8	16	21	3
75°	1	2	5	12	17	2
85°	0	1	2	5	6	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5
2.5°	1121.1	1121.1	1117.3	1118.6	1116.1	1102.4	1099.9	1082.5	1067.5	1051.3	1037.6
5°	1320.4	1322.9	1319.1	1311.7	1301.7	1291.7	1270.6	1254.4	1233.2	1202.0	1173.4
7.5°	1433.7	1431.2	1425.0	1422.5	1416.3	1405.1	1390.1	1372.7	1347.8	1316.6	1283.0
10°	1568.3	1547.1	1540.9	1530.9	1511.0	1488.5	1462.4	1438.7	1417.5	1388.9	1352.8
12.5°	1785.0	1781.3	1756.3	1737.7	1710.3	1660.4	1615.6	1563.3	1501.0	1451.2	1403.8
15°	1904.6	1907.1	1895.9	1880.9	1863.5	1822.4	1777.5	1716.5	1643.0	1555.8	1478.6
17.5°	1925.8	1929.5	1923.3	1917.0	1912.1	1888.4	1861.0	1817.4	1750.1	1669.2	1554.6
20°	1908.3	1915.8	1917.0	1924.5	1934.5	1924.5	1902.1	1872.2	1816.1	1731.4	1621.8
22.5°	1869.7	1883.4	1893.4	1919.5	1945.7	1945.7	1932.0	1908.3	1853.5	1770.1	1657.9
25°	1867.2	1869.7	1873.4	1915.8	1956.9	1965.6	1953.2	1928.2	1868.5	1778.8	1656.7
27.5°	1929.5	1913.3	1888.4	1930.7	1979.3	1986.8	1969.4	1935.7	1864.7	1758.8	1614.3
30°	2056.5	2020.4	1968.1	1999.2	2032.9	2024.2	1989.3	1935.7	1839.8	1707.8	1534.6
32.5°	2105.1	2085.2	2066.5	2100.1	2106.4	2070.3	2008.0	1928.2	1799.9	1635.5	1403.8
35°	2141.3	2142.5	2135.0	2141.3	2111.4	2060.3	1991.8	1887.1	1725.2	1506.0	1230.7
37.5°	2153.7	2156.2	2140.0	2117.6	2072.7	2014.2	1932.0	1812.4	1600.6	1327.9	969.1
40°	2115.1	2107.6	2081.5	2050.3	2001.7	1941.9	1852.3	1674.1	1415.0	1060.0	756.1
42.5°	2046.6	2034.1	2003.0	1965.6	1914.5	1838.6	1695.3	1479.8	1149.7	827.1	529.4
45°	1909.6	1900.8	1862.2	1834.8	1773.8	1675.4	1491.0	1219.5	889.4	597.9	306.4
47.5°	1483.6	1484.8	1514.7	1528.4	1507.2	1428.7	1212.0	926.8	649.0	356.3	103.4
50°	1327.9	1321.6	1291.7	1250.6	1182.1	1065.0	889.4	655.2	383.7	115.8	14.9
52.5°	1007.7	1007.7	992.8	971.6	899.4	786.0	601.6	362.5	134.5	19.9	3.7
55°	434.7	412.3	424.8	448.4	429.7	373.7	281.5	108.4	23.7	3.7	3.7
57.5°	6.2	14.9	22.4	36.1	48.6	58.5	31.1	11.2	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
67.5°	2.5	2.5	2.5	3.7	2.5	3.7	3.7	3.7	3.7	3.7	3.7
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	859.5	859.5	859.5	859.5	859.5	859.5	859.5	859.5
2.5°	1017.7	996.5	961.6	855.8	746.1	645.2	573.0	545.6
5°	1141.0	1102.4	1043.8	827.1	609.1	424.8	320.1	279.0
7.5°	1238.2	1188.3	1103.6	777.3	447.2	226.7	135.8	107.1
10°	1302.9	1248.1	1137.3	703.8	296.5	105.9	51.1	42.4
12.5°	1350.3	1281.8	1149.7	609.1	174.4	48.6	27.4	24.9
15°	1385.1	1296.7	1134.8	493.3	95.9	28.6	22.4	22.4
17.5°	1433.7	1304.2	1098.7	363.7	54.8	21.2	21.2	21.2
20°	1471.1	1304.2	1030.1	247.9	33.6	18.7	18.7	18.7
22.5°	1489.8	1284.3	946.7	157.0	23.7	17.4	18.7	18.7
25°	1471.1	1235.7	839.6	95.9	18.7	16.2	17.4	18.7
27.5°	1402.6	1138.5	696.3	61.0	14.9	16.2	17.4	18.7
30°	1288.0	997.8	534.4	39.9	13.7	16.2	17.4	18.7
32.5°	1126.1	788.5	346.3	26.2	12.5	16.2	17.4	18.7
35°	879.4	558.0	209.3	16.2	12.5	16.2	18.7	19.9
37.5°	658.9	372.4	113.4	10.0	12.5	16.2	18.7	19.9
40°	457.1	216.7	48.6	8.7	12.5	17.4	19.9	19.9
42.5°	265.3	85.9	12.5	7.5	12.5	17.4	19.9	21.2
45°	97.2	17.4	3.7	7.5	13.7	17.4	19.9	22.4
47.5°	13.7	3.7	3.7	7.5	13.7	17.4	21.2	22.4
50°	3.7	3.7	3.7	7.5	13.7	18.7	22.4	23.7
52.5°	3.7	3.7	3.7	7.5	13.7	18.7	22.4	23.7
55°	3.7	3.7	3.7	7.5	13.7	18.7	22.4	23.7
57.5°	3.7	3.7	3.7	7.5	13.7	18.7	22.4	23.7
60°	3.7	3.7	3.7	7.5	12.5	18.7	22.4	23.7
62.5°	3.7	3.7	3.7	7.5	12.5	17.4	21.2	22.4
65°	3.7	3.7	3.7	7.5	11.2	16.2	21.2	21.2
67.5°	3.7	3.7	3.7	6.2	11.2	16.2	19.9	21.2
70°	3.7	3.7	3.7	6.2	10.0	14.9	18.7	19.9
72.5°	3.7	3.7	3.7	5.0	8.7	13.7	17.4	18.7
75°	2.5	3.7	3.7	5.0	8.7	12.5	16.2	17.4
77.5°	2.5	3.7	3.7	3.7	7.5	10.0	13.7	14.9
80°	2.5	2.5	3.7	3.7	6.2	8.7	11.2	12.5
82.5°	2.5	2.5	2.5	3.7	5.0	6.2	8.7	8.7
85°	2.5	2.5	2.5	2.5	3.7	5.0	6.2	6.2
87.5°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)