

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: P1307523

Luminaire Tested: LDSQA3D20R609024D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609024D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

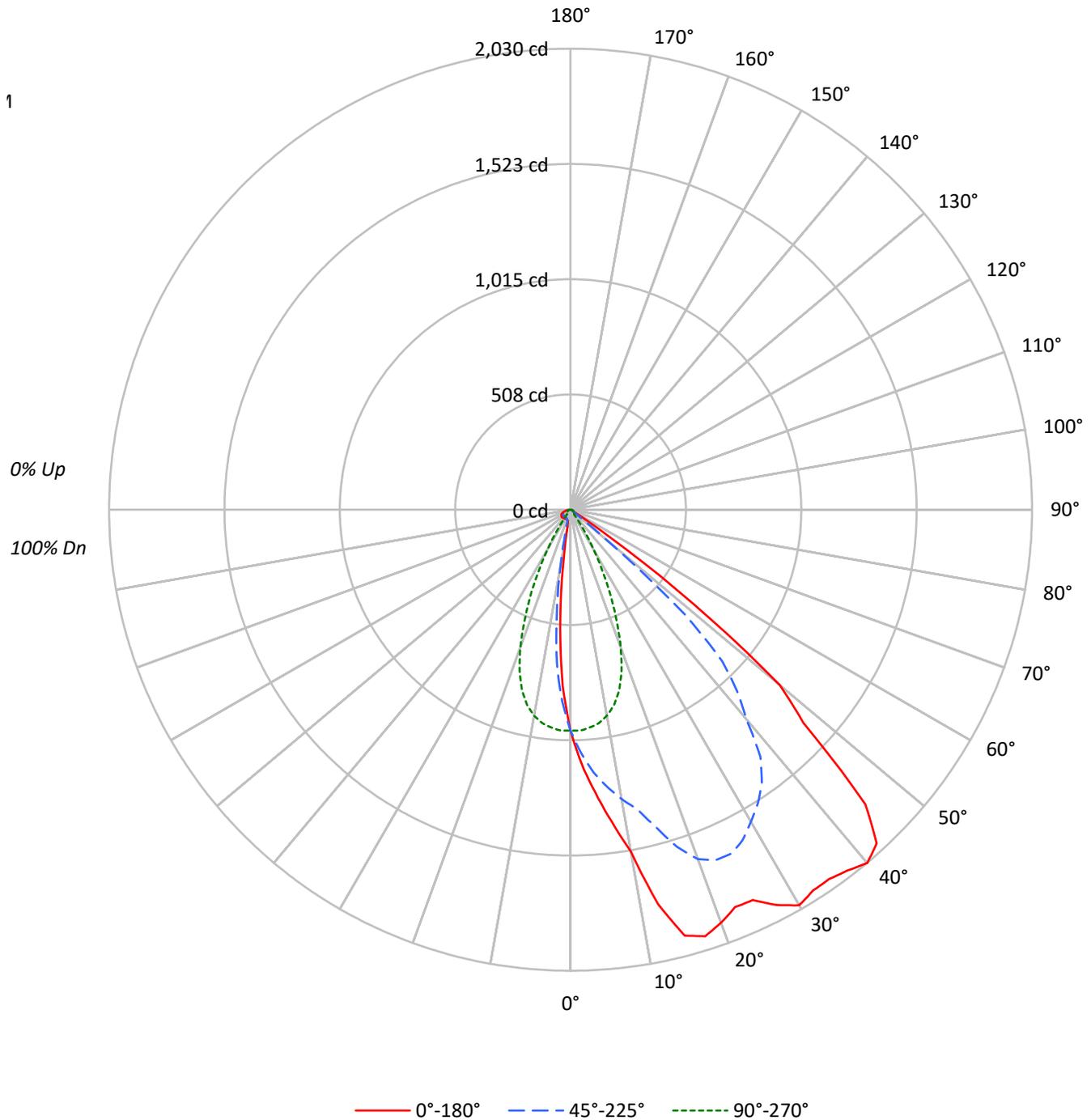
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1579.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	167400	167400	167400	167400	167400
5°	216239	200766	166484	118561	90468
10°	267216	226294	161116	44839	13291
15°	346076	257569	146989	9842	8772
20°	354638	300004	118304	8192	8467
25°	360348	317573	79317	7924	8494
30°	399939	315441	40907	8014	8889
35°	417168	308408	11290	8473	9713
40°	456476	270482	5373	9060	10724
45°	446615	229847	5456	9815	11983
50°	321946	56721	6002	10798	13182
55°	61764	3573	6275	11650	14773
60°	3066	3582	6166	12331	15913
65°	3056	3627	6072	12755	16993
70°	3021	3777	5992	12740	17272
75°	2994	3993	5922	12909	17833
80°	1488	4463	5951	13290	17753
85°	2964	2964	5928	11856	17587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 446615 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	5.4
10°-20°	233.4	14.8
20°-30°	359.2	22.7
30°-40°	421.4	26.7
40°-50°	338.0	21.4
50°-60°	104.9	6.6
60°-70°	19.8	1.3
70°-80°	13.2	0.8
80°-90°	4.6	0.3
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°	677.1	42.9
0°-40°	1098.5	69.6
0°-60°	1541.4	97.6
0°-90°	1579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	972	972	972	972	972	
5°	1251	1161	963	686	523	128
15°	1941	1445	824	55	49	532
25°	1896	1671	417	42	45	895
35°	1984	1467	54	40	46	1256
45°	1834	944	22	40	49	1312
55°	206	12	21	39	49	326
65°	8	9	15	31	42	7
75°	4	6	9	19	27	4
85°	2	2	3	6	9	1
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°	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0
2.5°	1121.1	1109.1	1109.1	1104.7	1100.2	1101.7	1089.8	1094.2	1082.3	1073.4	1065.9
5°	1250.8	1235.9	1234.4	1226.9	1219.5	1213.5	1198.6	1189.6	1171.7	1161.3	1139.0
7.5°	1384.9	1373.0	1365.5	1356.6	1343.2	1328.3	1302.9	1286.5	1258.2	1229.9	1201.6
10°	1528.0	1517.6	1501.2	1490.8	1453.5	1429.7	1395.4	1373.0	1331.3	1294.0	1250.8
12.5°	1778.5	1772.5	1741.2	1720.4	1666.7	1619.0	1544.4	1484.8	1410.3	1349.1	1291.0
15°	1941.0	1933.5	1917.1	1897.8	1863.5	1809.8	1742.7	1659.2	1554.9	1444.6	1346.2
17.5°	1969.3	1970.8	1960.4	1955.9	1933.5	1899.2	1845.6	1783.0	1678.6	1556.4	1422.2
20°	1935.0	1946.9	1944.0	1952.9	1957.4	1944.0	1908.2	1847.1	1756.1	1636.9	1486.3
22.5°	1893.3	1903.7	1900.7	1917.1	1942.5	1955.9	1944.0	1894.8	1802.3	1669.7	1522.1
25°	1896.3	1903.7	1881.4	1891.8	1924.6	1957.4	1958.9	1915.6	1815.8	1671.2	1519.1
27.5°	1961.9	1939.5	1888.8	1884.3	1924.6	1966.3	1969.3	1915.6	1796.4	1639.8	1489.3
30°	2011.1	1994.7	1938.0	1930.6	1969.3	1997.6	1982.7	1899.2	1750.2	1586.2	1446.0
32.5°	1987.2	1990.2	1966.3	1990.2	2040.9	2052.8	1990.2	1860.5	1686.1	1534.0	1395.4
35°	1984.2	1996.1	2009.6	2046.8	2081.1	2052.8	1952.9	1787.4	1617.5	1466.9	1316.4
37.5°	2002.1	2021.5	2040.9	2073.7	2073.7	2000.6	1854.5	1695.0	1535.5	1371.5	1152.4
40°	2030.4	2042.4	2048.3	2045.3	2005.1	1897.8	1742.7	1583.2	1431.1	1203.1	1043.5
42.5°	1993.2	1991.7	1985.7	1960.4	1885.8	1745.7	1601.1	1471.4	1231.4	1085.3	903.4
45°	1833.7	1833.7	1817.3	1777.0	1708.4	1592.1	1463.9	1274.6	1122.6	943.7	670.8
47.5°	1387.9	1377.5	1395.4	1419.2	1419.2	1408.8	1292.5	1128.5	973.5	681.3	214.7
50°	1201.6	1185.2	1162.8	1167.3	1164.3	1176.2	1101.7	977.9	720.0	211.7	14.9
52.5°	679.8	709.6	782.7	885.5	931.7	948.1	901.9	743.9	243.0	13.4	11.9
55°	205.7	211.7	240.0	295.2	401.0	512.8	520.3	241.5	16.4	11.9	11.9
57.5°	8.9	8.9	11.9	17.9	41.7	62.6	67.1	14.9	10.4	11.9	11.9
60°	8.9	8.9	8.9	8.9	8.9	8.9	10.4	10.4	10.4	10.4	11.9
62.5°	7.5	7.5	8.9	8.9	8.9	8.9	8.9	8.9	10.4	10.4	10.4
65°	7.5	7.5	7.5	7.5	7.5	7.5	8.9	8.9	8.9	8.9	10.4
67.5°	6.0	6.0	6.0	7.5	7.5	7.5	7.5	7.5	8.9	8.9	8.9
70°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5	7.5	7.5
72.5°	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0	6.0	6.0	7.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0	6.0
77.5°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
80°	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0
2.5°	1055.5	1043.5	1030.1	973.5	918.3	843.8	793.1	778.2
5°	1119.6	1100.2	1070.4	963.0	833.3	685.8	566.5	523.3
7.5°	1173.2	1143.4	1101.7	948.1	732.0	465.1	299.6	253.4
10°	1212.0	1174.7	1121.1	921.3	597.8	256.4	101.4	76.0
12.5°	1244.8	1195.6	1131.5	881.0	435.3	104.4	52.2	52.2
15°	1267.2	1207.5	1136.0	824.4	281.8	55.2	49.2	49.2
17.5°	1298.5	1220.9	1136.0	745.4	153.5	47.7	47.7	47.7
20°	1349.1	1234.4	1119.6	645.5	85.0	44.7	46.2	46.2
22.5°	1376.0	1253.7	1098.7	529.2	53.7	43.2	44.7	44.7
25°	1381.9	1250.8	1054.0	417.4	43.2	41.7	43.2	44.7
27.5°	1361.1	1229.9	994.3	304.1	38.8	40.3	43.2	44.7
30°	1323.8	1179.2	898.9	205.7	35.8	40.3	43.2	44.7
32.5°	1253.7	1057.0	787.1	123.7	34.3	40.3	43.2	46.2
35°	1097.2	928.8	658.9	53.7	32.8	40.3	44.7	46.2
37.5°	983.9	800.5	509.8	26.8	32.8	40.3	44.7	47.7
40°	858.7	644.0	235.5	23.9	32.8	40.3	44.7	47.7
42.5°	654.4	298.2	28.3	23.9	31.3	40.3	46.2	47.7
45°	238.5	31.3	14.9	22.4	31.3	40.3	46.2	49.2
47.5°	17.9	11.9	13.4	22.4	31.3	40.3	46.2	49.2
50°	11.9	11.9	13.4	22.4	31.3	40.3	46.2	49.2
52.5°	11.9	13.4	13.4	20.9	29.8	40.3	46.2	49.2
55°	11.9	13.4	13.4	20.9	29.8	38.8	46.2	49.2
57.5°	11.9	11.9	13.4	19.4	28.3	37.3	46.2	47.7
60°	11.9	11.9	13.4	17.9	26.8	35.8	43.2	46.2
62.5°	11.9	11.9	11.9	16.4	25.3	34.3	41.7	44.7
65°	10.4	10.4	11.9	14.9	22.4	31.3	38.8	41.7
67.5°	8.9	10.4	10.4	13.4	20.9	28.3	35.8	38.8
70°	8.9	8.9	8.9	11.9	17.9	25.3	32.8	34.3
72.5°	7.5	7.5	8.9	10.4	16.4	22.4	29.8	31.3
75°	6.0	7.5	7.5	8.9	13.4	19.4	25.3	26.8
77.5°	6.0	6.0	6.0	7.5	11.9	16.4	20.9	22.4
80°	4.5	4.5	4.5	6.0	8.9	13.4	16.4	17.9
82.5°	3.0	4.5	4.5	4.5	7.5	8.9	11.9	13.4
85°	3.0	3.0	3.0	3.0	4.5	6.0	7.5	8.9
87.5°	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)