

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: P1324114

Luminaire Tested: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324114
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: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

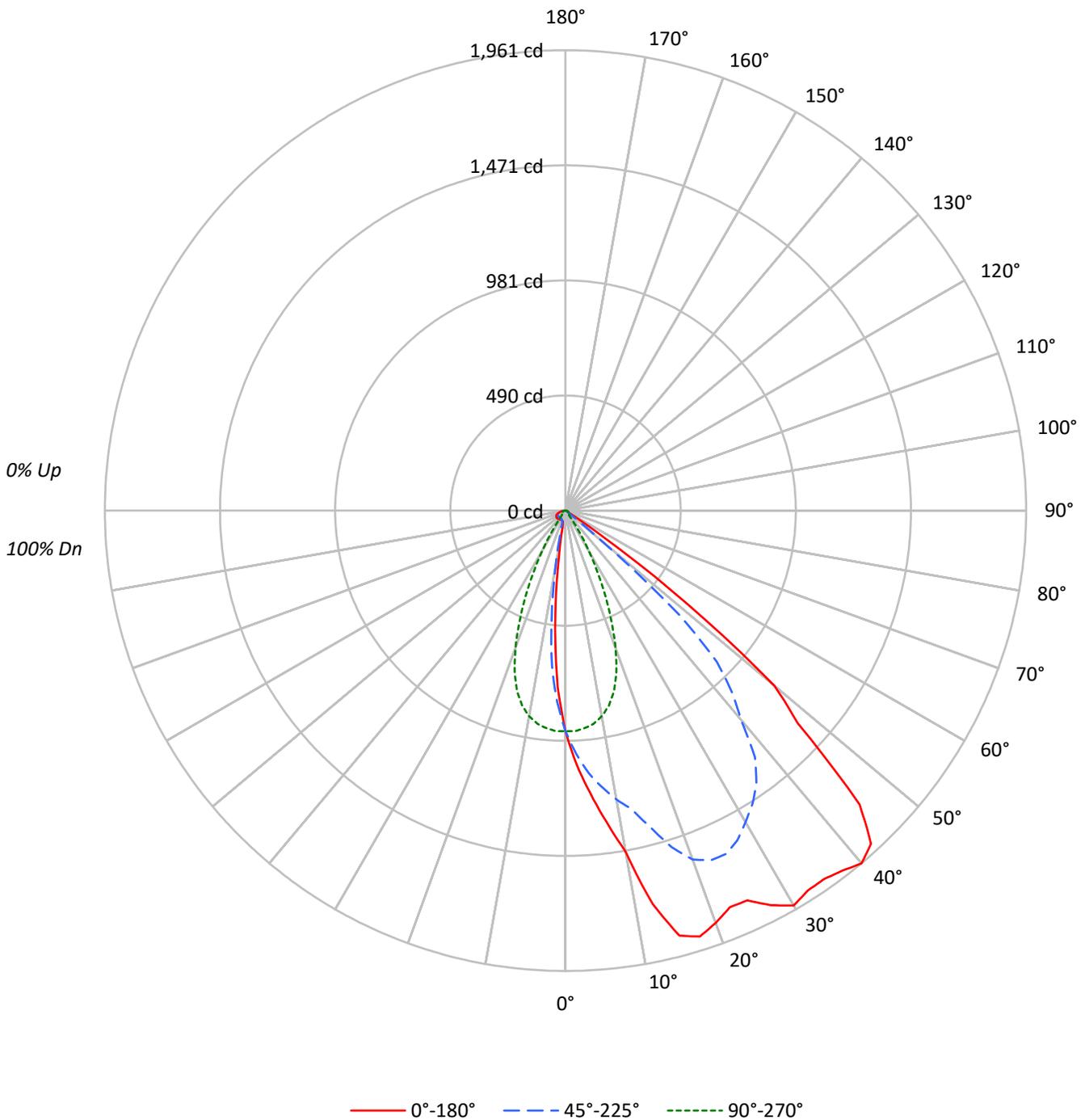
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1525.0 lumens
Efficiency: N/A
Efficacy: 55.9 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): 27.3
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

TEST NUMBER: P1324114
CATALOG NUMBER: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1324114

CATALOG NUMBER: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

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°	161665	161665	161665	161665	161665
5°	208840	193903	160796	114499	87374
10°	258087	218547	155608	43300	12836
15°	334237	248761	141961	9503	8469
20°	342505	289740	114254	7918	8174
25°	348015	306703	76600	7658	8209
30°	386257	304642	39515	7736	8591
35°	402914	297875	10891	8179	9377
40°	440873	261219	5171	8746	10364
45°	431320	221980	5261	9474	11569
50°	310934	54792	5787	10423	12727
55°	59662	3453	6065	11230	14262
60°	2962	3479	5959	11918	15362
65°	2934	3505	5868	12307	16423
70°	2921	3626	5791	12337	16667
75°	2861	3859	5723	12443	17234
80°	1389	4265	5752	12893	17158
85°	2766	2766	5730	11461	16994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 431320 cd/sqm



TEST NUMBER: P1324114

CATALOG NUMBER: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	5.4
10°-20°	225.4	14.8
20°-30°	346.9	22.7
30°-40°	407.0	26.7
40°-50°	326.4	21.4
50°-60°	101.4	6.6
60°-70°	19.2	1.3
70°-80°	12.7	0.8
80°-90°	4.4	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°	653.9	42.9
0°-40°	1060.9	69.6
0°-60°	1488.7	97.6
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	939	939	939	939	939	
5°	1208	1122	930	662	505	123
15°	1875	1395	796	53	48	513
25°	1831	1614	403	40	43	865
35°	1916	1417	52	39	45	1213
45°	1771	911	22	39	48	1267
55°	199	12	20	37	48	314
65°	7	9	14	30	40	7
75°	4	6	9	19	26	4
85°	1	1	3	6	9	1
90°	0	0	0	0	0	



TEST NUMBER: P1324114

CATALOG NUMBER: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7
2.5°	1082.7	1071.2	1071.2	1066.9	1062.6	1064.0	1052.5	1056.8	1045.3	1036.6	1029.4
5°	1208.0	1193.6	1192.1	1184.9	1177.7	1172.0	1157.6	1149.0	1131.7	1121.6	1100.0
7.5°	1337.6	1326.0	1318.8	1310.2	1297.3	1282.9	1258.4	1242.5	1215.2	1187.8	1160.5
10°	1475.8	1465.7	1449.9	1439.8	1403.8	1380.8	1347.6	1326.0	1285.7	1249.7	1208.0
12.5°	1717.7	1711.9	1681.7	1661.5	1609.7	1563.6	1491.6	1434.0	1362.0	1303.0	1246.9
15°	1874.6	1867.4	1851.6	1832.9	1799.7	1747.9	1683.1	1602.5	1501.7	1395.2	1300.1
17.5°	1902.0	1903.4	1893.3	1889.0	1867.4	1834.3	1782.5	1722.0	1621.2	1503.1	1373.6
20°	1868.8	1880.4	1877.5	1886.1	1890.4	1877.5	1842.9	1783.9	1696.1	1580.9	1435.5
22.5°	1828.5	1838.6	1835.7	1851.6	1876.0	1889.0	1877.5	1830.0	1740.7	1612.6	1470.0
25°	1831.4	1838.6	1817.0	1827.1	1858.8	1890.4	1891.9	1850.1	1753.7	1614.0	1467.1
27.5°	1894.8	1873.2	1824.2	1819.9	1858.8	1899.1	1902.0	1850.1	1734.9	1583.8	1438.3
30°	1942.3	1926.4	1871.7	1864.5	1902.0	1929.3	1914.9	1834.3	1690.3	1531.9	1396.6
32.5°	1919.2	1922.1	1899.1	1922.1	1971.1	1982.6	1922.1	1796.9	1628.4	1481.5	1347.6
35°	1916.4	1927.9	1940.8	1976.8	2009.9	1982.6	1886.1	1726.3	1562.2	1416.8	1271.3
37.5°	1933.6	1952.4	1971.1	2002.7	2002.7	1932.2	1791.1	1637.0	1483.0	1324.6	1113.0
40°	1961.0	1972.5	1978.3	1975.4	1936.5	1832.9	1683.1	1529.1	1382.2	1161.9	1007.9
42.5°	1925.0	1923.6	1917.8	1893.3	1821.3	1686.0	1546.3	1421.1	1189.3	1048.2	872.5
45°	1770.9	1770.9	1755.1	1716.2	1650.0	1537.7	1413.9	1231.0	1084.2	911.4	647.9
47.5°	1340.4	1330.4	1347.6	1370.7	1370.7	1360.6	1248.3	1089.9	940.2	658.0	207.3
50°	1160.5	1144.6	1123.0	1127.4	1124.5	1136.0	1064.0	944.5	695.4	204.5	14.4
52.5°	656.5	685.3	755.9	855.2	899.9	915.7	871.1	718.5	234.7	13.0	11.5
55°	198.7	204.5	231.8	285.1	387.3	495.3	502.5	233.2	15.8	11.5	11.5
57.5°	8.6	8.6	11.5	17.3	40.3	60.5	64.8	14.4	10.1	11.5	11.5
60°	8.6	8.6	8.6	8.6	8.6	8.6	10.1	10.1	10.1	10.1	11.5
62.5°	7.2	7.2	8.6	8.6	8.6	8.6	8.6	8.6	10.1	10.1	10.1
65°	7.2	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6	8.6	10.1
67.5°	5.8	5.8	5.8	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6
70°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	7.2	7.2	7.2
72.5°	4.3	4.3	4.3	4.3	4.3	5.8	5.8	5.8	5.8	5.8	7.2
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	5.8	5.8	5.8
77.5°	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3
80°	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1324114

CATALOG NUMBER: LDSQA3D17R609030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7
2.5°	1019.4	1007.9	994.9	940.2	886.9	814.9	766.0	751.6
5°	1081.3	1062.6	1033.8	930.1	804.8	662.3	547.1	505.4
7.5°	1133.1	1104.3	1064.0	915.7	706.9	449.2	289.4	244.8
10°	1170.5	1134.6	1082.7	889.8	577.4	247.6	97.9	73.4
12.5°	1202.2	1154.7	1092.8	850.9	420.4	100.8	50.4	50.4
15°	1223.8	1166.2	1097.1	796.2	272.1	53.3	47.5	47.5
17.5°	1254.1	1179.2	1097.1	719.9	148.3	46.1	46.1	46.1
20°	1303.0	1192.1	1081.3	623.4	82.1	43.2	44.6	44.6
22.5°	1328.9	1210.9	1061.1	511.1	51.8	41.8	43.2	43.2
25°	1334.7	1208.0	1017.9	403.1	41.8	40.3	41.8	43.2
27.5°	1314.5	1187.8	960.3	293.7	37.4	38.9	41.8	43.2
30°	1278.5	1138.9	868.2	198.7	34.6	38.9	41.8	43.2
32.5°	1210.9	1020.8	760.2	119.5	33.1	38.9	41.8	44.6
35°	1059.7	897.0	636.4	51.8	31.7	38.9	43.2	44.6
37.5°	950.3	773.2	492.4	25.9	31.7	38.9	43.2	46.1
40°	829.3	622.0	227.5	23.0	31.7	38.9	43.2	46.1
42.5°	632.1	288.0	27.4	23.0	30.2	38.9	44.6	46.1
45°	230.4	30.2	14.4	21.6	30.2	38.9	44.6	47.5
47.5°	17.3	11.5	13.0	21.6	30.2	38.9	44.6	47.5
50°	11.5	11.5	13.0	21.6	30.2	38.9	44.6	47.5
52.5°	11.5	13.0	13.0	20.2	28.8	38.9	44.6	47.5
55°	11.5	13.0	13.0	20.2	28.8	37.4	44.6	47.5
57.5°	11.5	11.5	13.0	18.7	27.4	36.0	44.6	46.1
60°	11.5	11.5	13.0	17.3	25.9	34.6	41.8	44.6
62.5°	11.5	11.5	11.5	15.8	24.5	33.1	40.3	43.2
65°	10.1	10.1	11.5	14.4	21.6	30.2	37.4	40.3
67.5°	8.6	10.1	10.1	13.0	20.2	27.4	34.6	37.4
70°	8.6	8.6	8.6	11.5	17.3	24.5	31.7	33.1
72.5°	7.2	7.2	8.6	10.1	15.8	21.6	28.8	30.2
75°	5.8	7.2	7.2	8.6	13.0	18.7	24.5	25.9
77.5°	5.8	5.8	5.8	7.2	11.5	15.8	20.2	21.6
80°	4.3	4.3	4.3	5.8	8.6	13.0	15.8	17.3
82.5°	2.9	4.3	4.3	4.3	7.2	8.6	11.5	13.0
85°	2.9	2.9	2.9	2.9	4.3	5.8	7.2	8.6
87.5°	1.4	1.4	2.9	2.9	2.9	2.9	2.9	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)