

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: P1314044

Luminaire Tested: LDSQA3D20R609727D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314044  
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: LDSQA3D20R609727D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

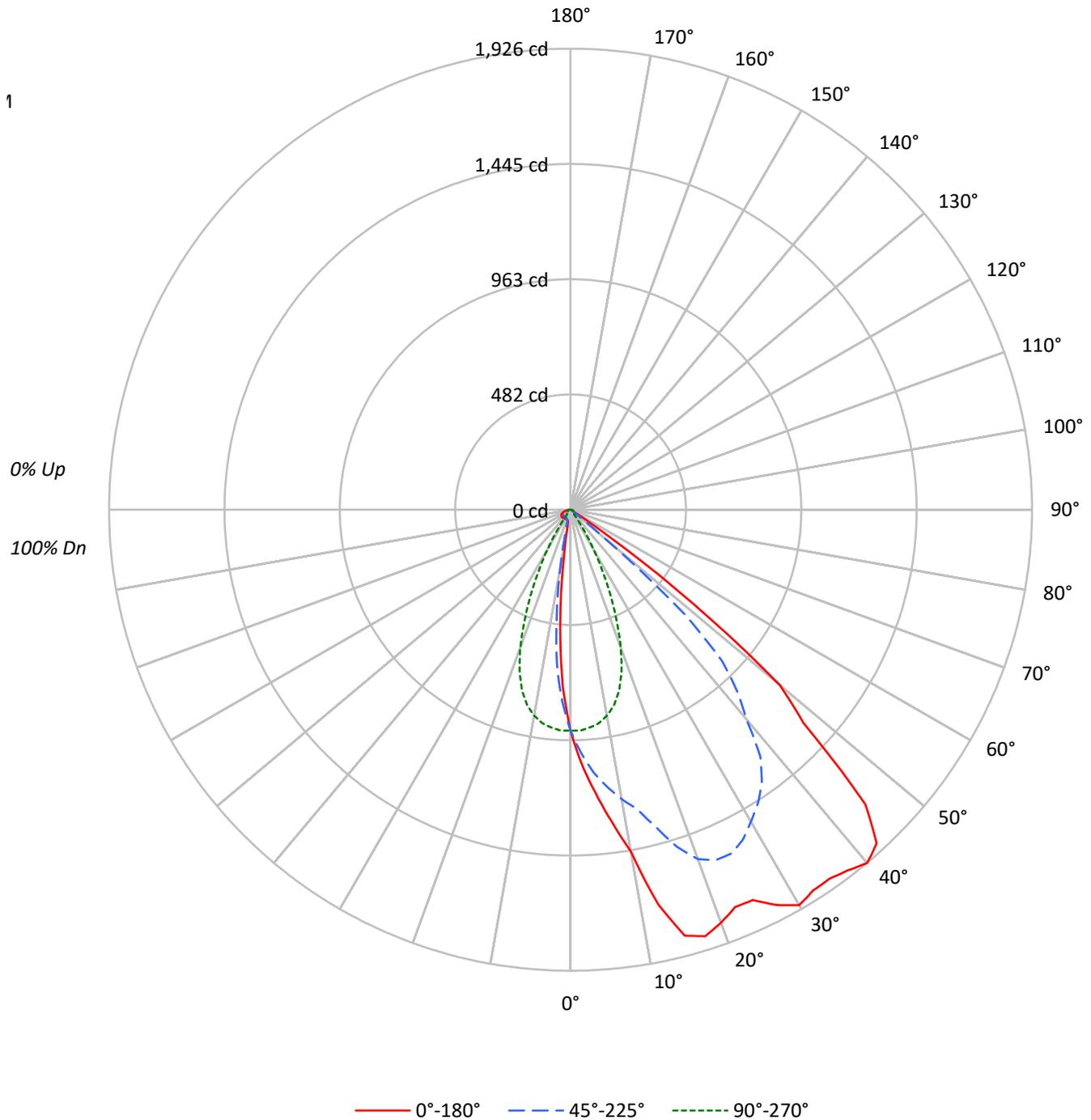
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1498.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 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 (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: P1314044  
CATALOG NUMBER: LDSQA3D20R609727D010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1314044

CATALOG NUMBER: LDSQA3D20R609727D010 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°	158806	158806	158806	158806	158806
5°	205140	190462	157944	112476	85818
10°	253523	214682	152845	42548	12609
15°	328318	244357	139447	9325	8327
20°	336457	284609	112238	7771	8027
25°	341858	301268	75251	7525	8057
30°	379416	299253	38819	7597	8432
35°	395765	292598	10701	8031	9209
40°	433072	256588	5081	8588	10184
45°	423696	218059	5163	9304	11374
50°	305414	53801	5680	10235	12512
55°	58611	3393	5945	11050	14022
60°	2928	3410	5856	11677	15087
65°	2893	3464	5746	12103	16138
70°	2870	3575	5690	12085	16365
75°	2795	3793	5656	12244	16968
80°	1389	4166	5653	12596	16860
85°	2766	2766	5533	11263	16796

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 423696 cd/sqm



TEST NUMBER: P1314044

CATALOG NUMBER: LDSQA3D20R609727D010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	5.4
10°-20°	221.4	14.8
20°-30°	340.8	22.7
30°-40°	399.8	26.7
40°-50°	320.6	21.4
50°-60°	99.5	6.6
60°-70°	18.8	1.3
70°-80°	12.5	0.8
80°-90°	4.3	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°	642.3	42.9
0°-40°	1042.2	69.6
0°-60°	1462.3	97.6
0°-90°	1498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	922	922	922	922	922	
5°	1187	1102	914	651	496	121
15°	1841	1370	782	52	47	504
25°	1799	1585	396	40	42	849
35°	1882	1392	51	38	44	1191
45°	1740	895	21	38	47	1245
55°	195	11	20	37	47	309
65°	7	8	14	30	40	7
75°	4	6	8	18	26	4
85°	1	1	3	6	8	1
90°	0	0	0	0	0	



TEST NUMBER: P1314044

CATALOG NUMBER: LDSQA3D20R609727D010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1
2.5°	1063.6	1052.2	1052.2	1048.0	1043.8	1045.2	1033.9	1038.1	1026.8	1018.3	1011.2
5°	1186.6	1172.5	1171.0	1164.0	1156.9	1151.2	1137.1	1128.6	1111.6	1101.7	1080.5
7.5°	1313.9	1302.6	1295.5	1287.0	1274.3	1260.1	1236.1	1220.5	1193.7	1166.8	1139.9
10°	1449.7	1439.8	1424.2	1414.3	1378.9	1356.3	1323.8	1302.6	1263.0	1227.6	1186.6
12.5°	1687.3	1681.6	1651.9	1632.1	1581.2	1535.9	1465.2	1408.6	1337.9	1279.9	1224.8
15°	1841.4	1834.3	1818.8	1800.4	1767.9	1717.0	1653.3	1574.1	1475.1	1370.5	1277.1
17.5°	1868.3	1869.7	1859.8	1855.6	1834.3	1801.8	1750.9	1691.5	1592.5	1476.5	1349.2
20°	1835.8	1847.1	1844.2	1852.7	1857.0	1844.2	1810.3	1752.3	1666.0	1552.9	1410.1
22.5°	1796.2	1806.1	1803.2	1818.8	1842.8	1855.6	1844.2	1797.6	1709.9	1584.0	1444.0
25°	1799.0	1806.1	1784.8	1794.7	1825.9	1857.0	1858.4	1817.4	1722.6	1585.4	1441.2
27.5°	1861.2	1840.0	1791.9	1787.7	1825.9	1865.5	1868.3	1817.4	1704.2	1555.7	1412.9
30°	1907.9	1892.3	1838.6	1831.5	1868.3	1895.2	1881.0	1801.8	1660.4	1504.8	1371.9
32.5°	1885.3	1888.1	1865.5	1888.1	1936.2	1947.5	1888.1	1765.0	1599.6	1455.3	1323.8
35°	1882.4	1893.7	1906.5	1941.8	1974.4	1947.5	1852.7	1695.7	1534.5	1391.7	1248.8
37.5°	1899.4	1917.8	1936.2	1967.3	1967.3	1898.0	1759.4	1608.1	1456.7	1301.2	1093.3
40°	1926.3	1937.6	1943.2	1940.4	1902.2	1800.4	1653.3	1502.0	1357.7	1141.3	990.0
42.5°	1890.9	1889.5	1883.8	1859.8	1789.1	1656.1	1519.0	1395.9	1168.2	1029.6	857.1
45°	1739.6	1739.6	1724.0	1685.8	1620.8	1510.5	1388.8	1209.2	1065.0	895.3	636.4
47.5°	1316.7	1306.8	1323.8	1346.4	1346.4	1336.5	1226.2	1070.6	923.5	646.3	203.7
50°	1139.9	1124.4	1103.2	1107.4	1104.6	1115.9	1045.2	927.8	683.1	200.8	14.1
52.5°	644.9	673.2	742.5	840.1	883.9	899.5	855.7	705.7	230.5	12.7	11.3
55°	195.2	200.8	227.7	280.0	380.4	486.5	493.6	229.1	15.6	11.3	11.3
57.5°	8.5	8.5	11.3	17.0	39.6	59.4	63.6	14.1	9.9	11.3	11.3
60°	8.5	8.5	8.5	8.5	8.5	8.5	9.9	9.9	9.9	9.9	11.3
62.5°	7.1	7.1	8.5	8.5	8.5	8.5	8.5	8.5	9.9	9.9	9.9
65°	7.1	7.1	7.1	7.1	7.1	7.1	8.5	8.5	8.5	8.5	9.9
67.5°	5.7	5.7	5.7	7.1	7.1	7.1	7.1	7.1	8.5	8.5	8.5
70°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.1	7.1	7.1	7.1
72.5°	4.2	4.2	4.2	4.2	4.2	5.7	5.7	5.7	5.7	5.7	7.1
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.7	5.7	5.7	5.7
77.5°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2
80°	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	4.2
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
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: P1314044

CATALOG NUMBER: LDSQA3D20R609727D010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	922.1	922.1	922.1	922.1	922.1	922.1	922.1	922.1
2.5°	1001.3	990.0	977.3	923.5	871.2	800.5	752.4	738.3
5°	1062.1	1043.8	1015.5	913.6	790.6	650.6	537.4	496.4
7.5°	1113.1	1084.8	1045.2	899.5	694.4	441.3	284.3	240.4
10°	1149.8	1114.5	1063.6	874.0	567.1	243.3	96.2	72.1
12.5°	1180.9	1134.3	1073.5	835.9	413.0	99.0	49.5	49.5
15°	1202.2	1145.6	1077.7	782.1	267.3	52.3	46.7	46.7
17.5°	1231.9	1158.3	1077.7	707.1	145.7	45.3	45.3	45.3
20°	1279.9	1171.0	1062.1	612.4	80.6	42.4	43.8	43.8
22.5°	1305.4	1189.4	1042.3	502.1	50.9	41.0	42.4	42.4
25°	1311.1	1186.6	999.9	396.0	41.0	39.6	41.0	42.4
27.5°	1291.3	1166.8	943.3	288.5	36.8	38.2	41.0	42.4
30°	1255.9	1118.7	852.8	195.2	33.9	38.2	41.0	42.4
32.5°	1189.4	1002.7	746.7	117.4	32.5	38.2	41.0	43.8
35°	1040.9	881.1	625.1	50.9	31.1	38.2	42.4	43.8
37.5°	933.4	759.5	483.7	25.5	31.1	38.2	42.4	45.3
40°	814.6	611.0	223.5	22.6	31.1	38.2	42.4	45.3
42.5°	620.9	282.9	26.9	22.6	29.7	38.2	43.8	45.3
45°	226.3	29.7	14.1	21.2	29.7	38.2	43.8	46.7
47.5°	17.0	11.3	12.7	21.2	29.7	38.2	43.8	46.7
50°	11.3	11.3	12.7	21.2	29.7	38.2	43.8	46.7
52.5°	11.3	12.7	12.7	19.8	28.3	38.2	43.8	46.7
55°	11.3	12.7	12.7	19.8	28.3	36.8	43.8	46.7
57.5°	11.3	11.3	12.7	18.4	26.9	35.4	43.8	45.3
60°	11.3	11.3	12.7	17.0	25.5	33.9	41.0	43.8
62.5°	11.3	11.3	11.3	15.6	24.0	32.5	39.6	42.4
65°	9.9	9.9	11.3	14.1	21.2	29.7	36.8	39.6
67.5°	8.5	9.9	9.9	12.7	19.8	26.9	33.9	36.8
70°	8.5	8.5	8.5	11.3	17.0	24.0	31.1	32.5
72.5°	7.1	7.1	8.5	9.9	15.6	21.2	28.3	29.7
75°	5.7	7.1	7.1	8.5	12.7	18.4	24.0	25.5
77.5°	5.7	5.7	5.7	7.1	11.3	15.6	19.8	21.2
80°	4.2	4.2	4.2	5.7	8.5	12.7	15.6	17.0
82.5°	2.8	4.2	4.2	4.2	7.1	8.5	11.3	12.7
85°	2.8	2.8	2.8	2.8	4.2	5.7	7.1	8.5
87.5°	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)