

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: P1310585

Luminaire Tested: LDSQA3D17R609035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310585  
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: LDSQA3D17R609035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

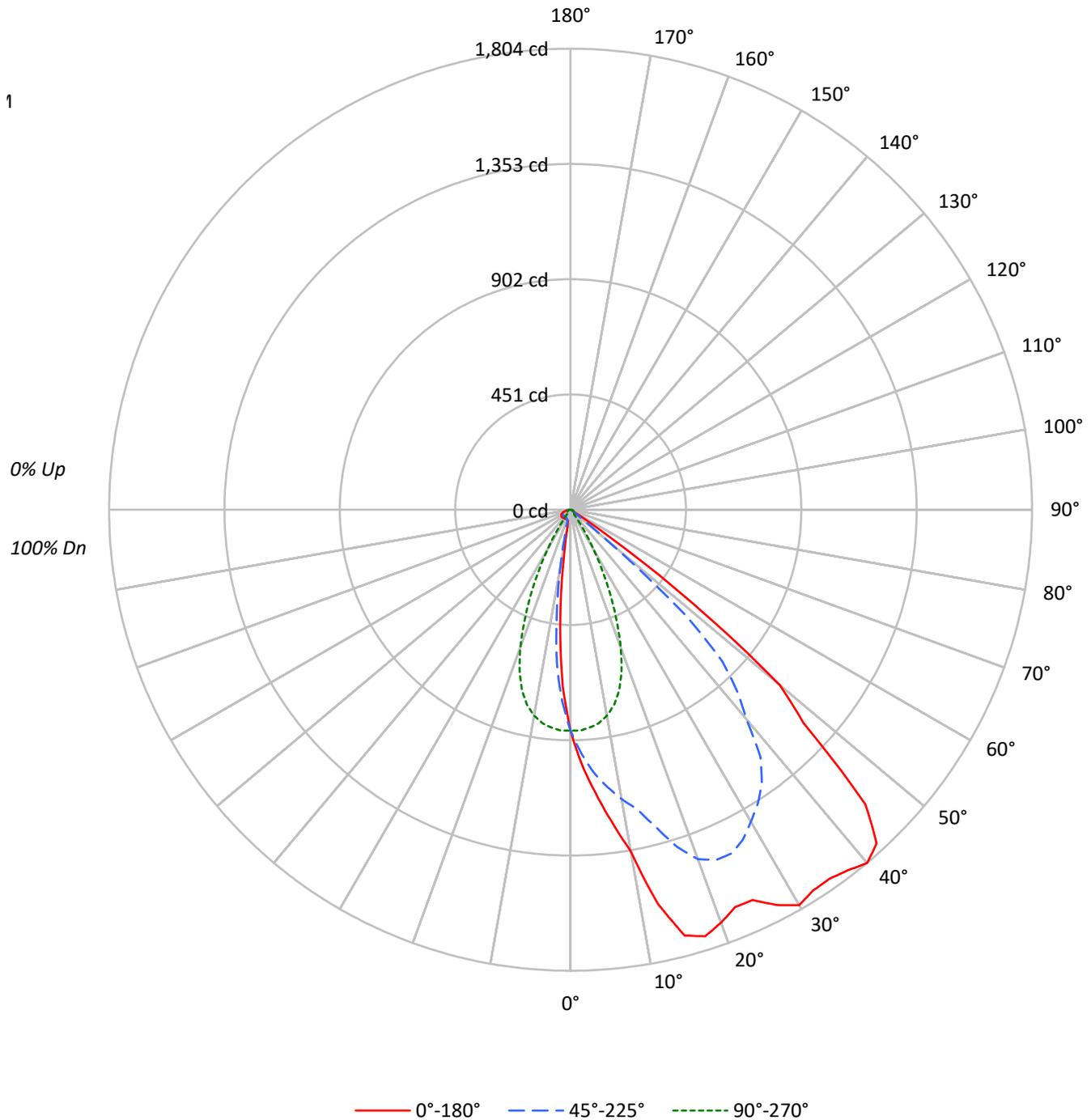
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1403.0 lumens  
Efficiency: N/A  
Efficacy: 66.2 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	148731	148731	148731	148731	148731
5°	192122	178395	147934	105336	80372
10°	237434	201076	143156	39838	11822
15°	307493	228845	130603	8737	7792
20°	315106	266556	105127	7276	7533
25°	320176	282171	70481	7050	7544
30°	355353	280281	36353	7119	7895
35°	370683	274033	10029	7527	8641
40°	405599	240333	4766	8049	9532
45°	396832	204225	4847	8719	10644
50°	286043	50398	5332	9592	11709
55°	54888	3183	5555	10329	13121
60°	2721	3203	5477	10953	14157
65°	2690	3219	5379	11329	15119
70°	2669	3323	5338	11330	15358
75°	2662	3527	5257	11445	15837
80°	1289	3967	5256	11802	15769
85°	2569	2569	5138	10473	15611

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 396832 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	5.4
10°-20°	207.4	14.8
20°-30°	319.2	22.7
30°-40°	374.5	26.7
40°-50°	300.3	21.4
50°-60°	93.2	6.6
60°-70°	17.6	1.3
70°-80°	11.7	0.8
80°-90°	4.0	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°	601.6	42.9
0°-40°	976.1	69.6
0°-60°	1369.6	97.6
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	864	864	864	864	864	
5°	1111	1032	856	609	465	113
15°	1725	1284	732	49	44	472
25°	1685	1485	371	37	40	795
35°	1763	1303	48	36	41	1116
45°	1629	838	20	36	44	1166
55°	183	11	18	34	44	289
65°	7	8	13	28	37	6
75°	4	5	8	17	24	4
85°	1	1	3	5	8	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°	863.6	863.6	863.6	863.6	863.6	863.6	863.6	863.6	863.6	863.6	863.6
2.5°	996.1	985.5	985.5	981.5	977.6	978.9	968.3	972.3	961.7	953.7	947.1
5°	1111.3	1098.1	1096.8	1090.2	1083.5	1078.2	1065.0	1057.0	1041.1	1031.9	1012.0
7.5°	1230.6	1220.0	1213.3	1205.4	1193.5	1180.2	1157.7	1143.1	1118.0	1092.8	1067.6
10°	1357.7	1348.4	1333.9	1324.6	1291.5	1270.3	1239.8	1220.0	1182.9	1149.8	1111.3
12.5°	1580.3	1575.0	1547.1	1528.6	1480.9	1438.5	1372.3	1319.3	1253.1	1198.8	1147.1
15°	1724.6	1718.0	1703.4	1686.2	1655.8	1608.1	1548.5	1474.3	1381.6	1283.5	1196.1
17.5°	1749.8	1751.1	1741.9	1737.9	1718.0	1687.5	1639.9	1584.2	1491.5	1382.9	1263.7
20°	1719.3	1729.9	1727.3	1735.2	1739.2	1727.3	1695.5	1641.2	1560.4	1454.4	1320.6
22.5°	1682.3	1691.5	1688.9	1703.4	1726.0	1737.9	1727.3	1683.6	1601.4	1483.6	1352.4
25°	1684.9	1691.5	1671.7	1680.9	1710.1	1739.2	1740.5	1702.1	1613.4	1484.9	1349.8
27.5°	1743.2	1723.3	1678.3	1674.3	1710.1	1747.2	1749.8	1702.1	1596.2	1457.1	1323.3
30°	1786.9	1772.3	1722.0	1715.4	1749.8	1775.0	1761.7	1687.5	1555.1	1409.4	1284.9
32.5°	1765.7	1768.3	1747.2	1768.3	1813.4	1824.0	1768.3	1653.1	1498.1	1363.0	1239.8
35°	1763.1	1773.6	1785.6	1818.7	1849.2	1824.0	1735.2	1588.2	1437.2	1303.4	1169.6
37.5°	1778.9	1796.2	1813.4	1842.5	1842.5	1777.6	1647.8	1506.1	1364.3	1218.6	1023.9
40°	1804.1	1814.7	1820.0	1817.4	1781.6	1686.2	1548.5	1406.7	1271.6	1069.0	927.2
42.5°	1771.0	1769.7	1764.4	1741.9	1675.6	1551.1	1422.6	1307.4	1094.1	964.3	802.7
45°	1629.3	1629.3	1614.7	1578.9	1518.0	1414.7	1300.8	1132.5	997.4	838.5	596.1
47.5°	1233.2	1223.9	1239.8	1261.0	1261.0	1251.8	1148.4	1002.7	865.0	605.3	190.7
50°	1067.6	1053.1	1033.2	1037.2	1034.5	1045.1	978.9	868.9	639.8	188.1	13.2
52.5°	604.0	630.5	695.4	786.8	827.9	842.4	801.4	661.0	215.9	11.9	10.6
55°	182.8	188.1	213.3	262.3	356.3	455.7	462.3	214.6	14.6	10.6	10.6
57.5°	7.9	7.9	10.6	15.9	37.1	55.6	59.6	13.2	9.3	10.6	10.6
60°	7.9	7.9	7.9	7.9	7.9	7.9	9.3	9.3	9.3	9.3	10.6
62.5°	6.6	6.6	7.9	7.9	7.9	7.9	7.9	7.9	9.3	9.3	9.3
65°	6.6	6.6	6.6	6.6	6.6	6.6	7.9	7.9	7.9	7.9	9.3
67.5°	5.3	5.3	5.3	6.6	6.6	6.6	6.6	6.6	7.9	7.9	7.9
70°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.6	6.6	6.6	6.6
72.5°	4.0	4.0	4.0	4.0	4.0	5.3	5.3	5.3	5.3	5.3	6.6
75°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	5.3	5.3
77.5°	2.6	2.6	2.6	2.6	2.6	4.0	4.0	4.0	4.0	4.0	4.0
80°	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.0	4.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	863.6	863.6	863.6	863.6	863.6	863.6	863.6	863.6
2.5°	937.8	927.2	915.3	865.0	816.0	749.7	704.7	691.4
5°	994.8	977.6	951.1	855.7	740.5	609.3	503.4	464.9
7.5°	1042.5	1016.0	978.9	842.4	650.4	413.3	266.2	225.2
10°	1076.9	1043.8	996.1	818.6	531.2	227.8	90.1	67.6
12.5°	1106.0	1062.3	1005.4	782.8	386.8	92.7	46.4	46.4
15°	1125.9	1072.9	1009.4	732.5	250.4	49.0	43.7	43.7
17.5°	1153.7	1084.9	1009.4	662.3	136.4	42.4	42.4	42.4
20°	1198.8	1096.8	994.8	573.6	75.5	39.7	41.1	41.1
22.5°	1222.6	1114.0	976.2	470.2	47.7	38.4	39.7	39.7
25°	1227.9	1111.3	936.5	370.9	38.4	37.1	38.4	39.7
27.5°	1209.4	1092.8	883.5	270.2	34.4	35.8	38.4	39.7
30°	1176.3	1047.8	798.7	182.8	31.8	35.8	38.4	39.7
32.5°	1114.0	939.1	699.4	109.9	30.5	35.8	38.4	41.1
35°	974.9	825.2	585.5	47.7	29.1	35.8	39.7	41.1
37.5°	874.2	711.3	453.0	23.8	29.1	35.8	39.7	42.4
40°	763.0	572.2	209.3	21.2	29.1	35.8	39.7	42.4
42.5°	581.5	264.9	25.2	21.2	27.8	35.8	41.1	42.4
45°	211.9	27.8	13.2	19.9	27.8	35.8	41.1	43.7
47.5°	15.9	10.6	11.9	19.9	27.8	35.8	41.1	43.7
50°	10.6	10.6	11.9	19.9	27.8	35.8	41.1	43.7
52.5°	10.6	11.9	11.9	18.5	26.5	35.8	41.1	43.7
55°	10.6	11.9	11.9	18.5	26.5	34.4	41.1	43.7
57.5°	10.6	10.6	11.9	17.2	25.2	33.1	41.1	42.4
60°	10.6	10.6	11.9	15.9	23.8	31.8	38.4	41.1
62.5°	10.6	10.6	10.6	14.6	22.5	30.5	37.1	39.7
65°	9.3	9.3	10.6	13.2	19.9	27.8	34.4	37.1
67.5°	7.9	9.3	9.3	11.9	18.5	25.2	31.8	34.4
70°	7.9	7.9	7.9	10.6	15.9	22.5	29.1	30.5
72.5°	6.6	6.6	7.9	9.3	14.6	19.9	26.5	27.8
75°	5.3	6.6	6.6	7.9	11.9	17.2	22.5	23.8
77.5°	5.3	5.3	5.3	6.6	10.6	14.6	18.5	19.9
80°	4.0	4.0	4.0	5.3	7.9	11.9	14.6	15.9
82.5°	2.6	4.0	4.0	4.0	6.6	7.9	10.6	11.9
85°	2.6	2.6	2.6	2.6	4.0	5.3	6.6	7.9
87.5°	1.3	1.3	2.6	2.6	2.6	2.6	2.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)