

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: P1324121

Luminaire Tested: LDSQA3D17R659030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R659030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

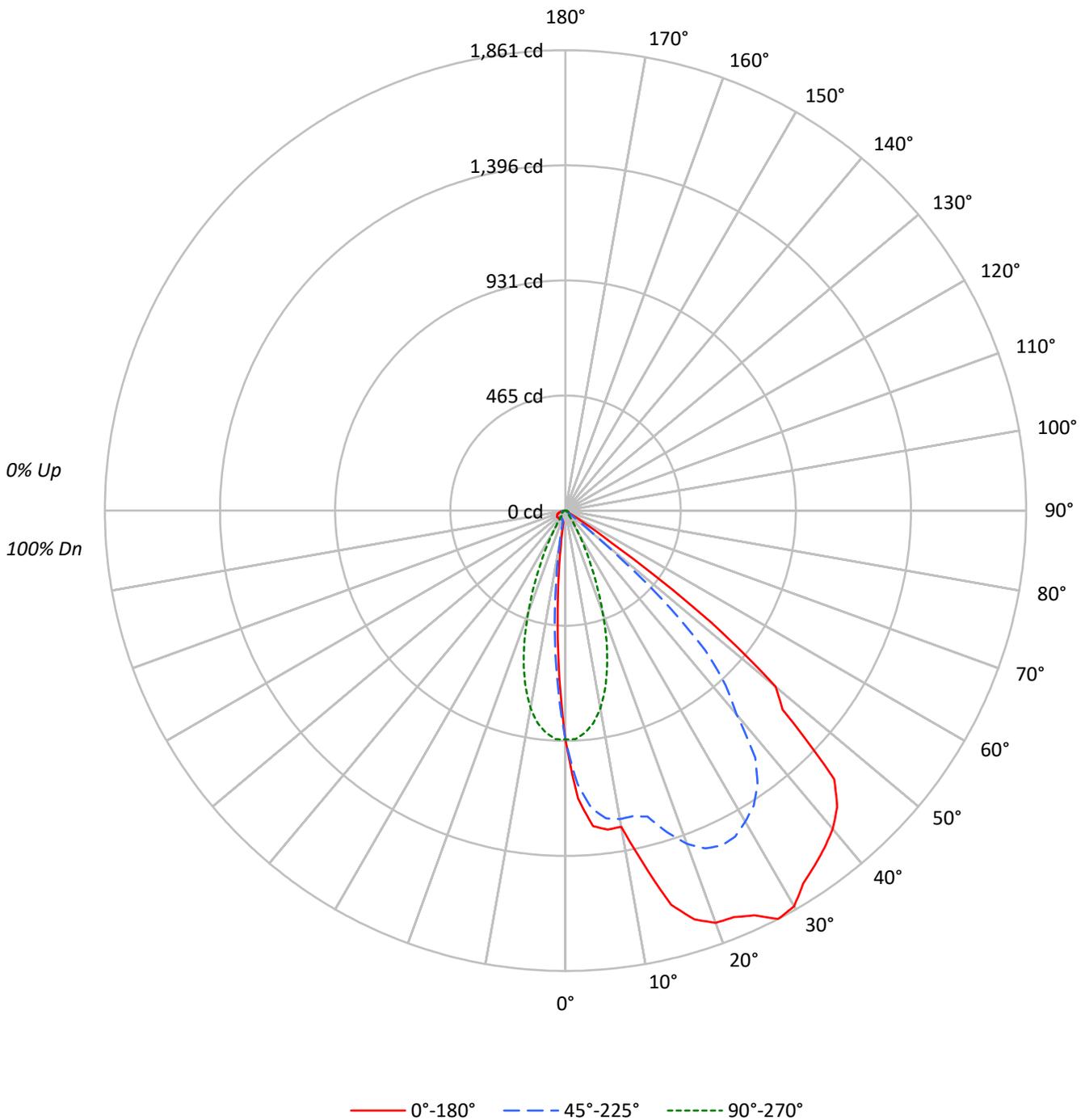
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1386.0 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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

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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	100			100	
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	90			90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81			81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72			72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65			65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43			43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40			40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36			36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	159254	159254	159254	159254	159254
5°	221373	208909	155886	85662	60266
10°	226941	221415	141810	23924	8814
15°	294049	228311	116072	7702	7453
20°	324966	262652	80770	6855	7129
25°	342941	283824	45701	6575	7107
30°	367205	288733	20622	6582	7438
35°	368539	284356	6665	6959	8179
40°	377564	241570	4541	7442	9060
45°	373961	194702	4555	8062	9815
50°	296760	45923	4635	8869	11200
55°	70501	2582	4744	9939	12551
60°	2480	2962	5442	10402	13399
65°	2934	2934	5298	11166	14670
70°	2165	2921	5086	10877	15207
75°	1930	2861	4791	11512	15305
80°	1389	2876	5752	11406	15670
85°	2766	5730	5730	11461	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 374668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	5.6
10°-20°	203.2	14.7
20°-30°	319.2	23.0
30°-40°	365.2	26.3
40°-50°	293.5	21.2
50°-60°	95.5	6.9
60°-70°	17.0	1.2
70°-80°	11.2	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°	599.6	43.3
0°-40°	964.8	69.6
0°-60°	1353.8	97.7
0°-90°	1386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	925	925	925	925	925	
5°	1280	1208	902	496	349	121
15°	1649	1280	651	43	42	459
25°	1805	1494	240	35	37	841
35°	1753	1352	32	33	39	1101
45°	1535	799	19	33	40	1105
55°	235	9	16	33	42	336
65°	7	7	13	27	36	6
75°	3	4	7	17	23	3
85°	1	3	3	6	7	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°	924.7	924.7	924.7	924.7	924.7	924.7	924.7	924.7	924.7	924.7	924.7
2.5°	1163.8	1159.5	1165.2	1155.1	1153.7	1143.6	1137.9	1135.0	1122.0	1104.7	1088.9
5°	1280.5	1263.2	1267.5	1266.1	1258.9	1254.5	1248.8	1241.6	1224.3	1208.4	1188.3
7.5°	1300.6	1286.2	1289.1	1290.5	1286.2	1284.8	1283.3	1280.5	1268.9	1254.5	1237.2
10°	1297.7	1283.3	1281.9	1277.6	1273.3	1274.7	1274.7	1274.7	1271.8	1266.1	1260.3
12.5°	1464.8	1444.7	1440.3	1410.1	1382.7	1335.2	1304.9	1276.1	1263.2	1264.6	1260.3
15°	1649.2	1647.7	1633.3	1604.5	1558.4	1515.2	1446.1	1394.2	1328.0	1280.5	1260.3
17.5°	1732.7	1731.3	1718.3	1693.8	1660.7	1620.4	1570.0	1509.5	1436.0	1362.6	1302.1
20°	1773.1	1783.1	1768.7	1748.6	1716.9	1679.4	1631.9	1577.2	1508.0	1433.1	1361.1
22.5°	1778.8	1791.8	1778.8	1764.4	1741.4	1716.9	1676.6	1620.4	1549.8	1477.8	1407.2
25°	1804.7	1809.1	1781.7	1763.0	1741.4	1724.1	1692.4	1643.4	1571.4	1493.6	1424.5
27.5°	1860.9	1842.2	1784.6	1758.6	1738.5	1722.6	1692.4	1642.0	1564.2	1485.0	1413.0
30°	1846.5	1839.3	1788.9	1764.4	1747.1	1731.3	1693.8	1629.0	1535.4	1451.9	1377.0
32.5°	1787.5	1801.9	1784.6	1775.9	1767.3	1747.1	1692.4	1604.5	1499.4	1414.4	1313.6
35°	1752.9	1770.2	1771.6	1771.6	1761.5	1731.3	1666.5	1568.5	1463.4	1352.5	1217.1
37.5°	1718.3	1732.7	1741.4	1747.1	1732.7	1689.5	1607.4	1519.6	1404.3	1258.9	1021.2
40°	1679.4	1689.5	1696.7	1699.6	1678.0	1621.8	1546.9	1447.5	1317.9	1074.5	911.7
42.5°	1624.7	1630.5	1629.0	1627.6	1604.5	1542.6	1472.0	1368.3	1111.9	957.8	760.5
45°	1535.4	1529.6	1538.3	1538.3	1508.0	1461.9	1368.3	1166.7	995.3	799.4	489.7
47.5°	1189.7	1194.0	1235.8	1303.5	1345.3	1332.3	1205.6	1021.2	836.8	524.3	162.8
50°	1107.6	1103.3	1104.7	1111.9	1116.3	1080.3	989.5	862.8	553.1	171.4	11.5
52.5°	743.2	747.5	780.7	857.0	881.5	855.6	769.1	576.1	201.6	11.5	10.1
55°	234.8	250.6	269.3	309.7	380.2	424.9	416.3	204.5	13.0	8.6	10.1
57.5°	8.6	8.6	11.5	20.2	38.9	63.4	66.3	13.0	10.1	10.1	10.1
60°	7.2	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6	8.6	8.6
62.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6	8.6
65°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.6
67.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	7.2	7.2	7.2
70°	4.3	4.3	4.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	5.8	5.8
75°	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3
80°	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	2.9	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	924.7	924.7	924.7	924.7	924.7	924.7	924.7	924.7
2.5°	1080.3	1063.0	1028.4	924.7	816.7	708.6	640.9	623.7
5°	1165.2	1145.1	1096.1	901.7	682.7	495.5	388.9	348.6
7.5°	1217.1	1192.6	1135.0	865.6	531.5	288.1	172.8	138.3
10°	1240.1	1218.5	1153.7	810.9	384.6	136.8	60.5	50.4
12.5°	1250.2	1232.9	1160.9	738.9	250.6	60.5	44.7	43.2
15°	1254.5	1235.8	1158.0	651.0	142.6	43.2	41.8	41.8
17.5°	1258.9	1237.2	1140.7	550.2	79.2	40.3	38.9	40.3
20°	1293.4	1231.5	1110.5	440.7	51.9	37.4	37.4	38.9
22.5°	1328.0	1230.0	1057.2	337.0	40.3	36.0	37.4	37.4
25°	1339.5	1215.6	989.5	240.5	34.6	34.6	36.0	37.4
27.5°	1317.9	1173.9	898.8	162.8	30.2	34.6	36.0	37.4
30°	1267.5	1103.3	789.3	103.7	28.8	33.1	36.0	37.4
32.5°	1173.9	963.6	666.9	61.9	27.4	33.1	37.4	37.4
35°	986.6	808.0	528.6	31.7	27.4	33.1	37.4	38.9
37.5°	862.8	674.1	368.7	21.6	27.4	33.1	37.4	38.9
40°	715.8	486.8	154.1	20.2	27.4	33.1	37.4	40.3
42.5°	495.5	211.7	24.5	18.7	25.9	33.1	38.9	40.3
45°	178.6	27.4	11.5	18.7	25.9	33.1	38.9	40.3
47.5°	15.8	10.1	11.5	18.7	25.9	33.1	38.9	41.8
50°	10.1	10.1	10.1	17.3	25.9	33.1	38.9	41.8
52.5°	10.1	10.1	10.1	17.3	24.5	33.1	40.3	41.8
55°	10.1	10.1	10.1	15.8	24.5	33.1	38.9	41.8
57.5°	10.1	10.1	11.5	15.8	24.5	31.7	38.9	40.3
60°	10.1	10.1	10.1	15.8	23.0	30.2	37.4	38.9
62.5°	8.6	10.1	10.1	14.4	21.6	28.8	36.0	37.4
65°	8.6	8.6	10.1	13.0	20.2	27.4	33.1	36.0
67.5°	7.2	8.6	8.6	11.5	17.3	24.5	30.2	33.1
70°	7.2	7.2	7.2	10.1	15.8	21.6	28.8	30.2
72.5°	5.8	7.2	7.2	8.6	13.0	18.7	24.5	27.4
75°	5.8	5.8	5.8	7.2	11.5	17.3	21.6	23.0
77.5°	4.3	4.3	5.8	5.8	10.1	13.0	18.7	20.2
80°	4.3	4.3	4.3	5.8	7.2	11.5	14.4	15.8
82.5°	2.9	2.9	2.9	4.3	5.8	7.2	10.1	11.5
85°	2.9	2.9	2.9	2.9	4.3	5.8	7.2	7.2
87.5°	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)