

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: P1309467

Luminaire Tested: LDSQA3D17R609030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309467
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: LDSQA3D17R609030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

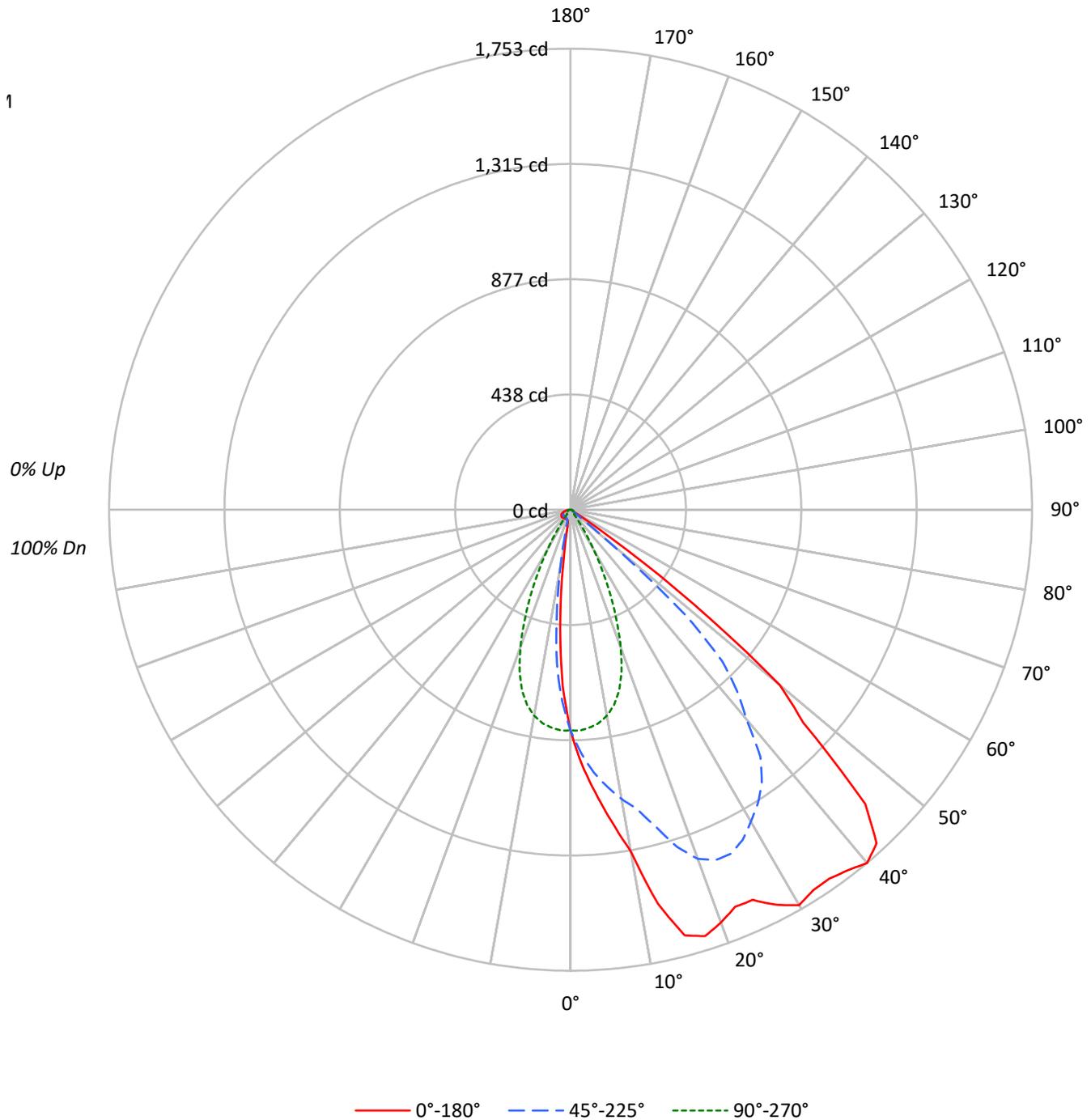
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.0 lumens
Efficiency: N/A
Efficacy: 64.3 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_{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°	144495	144495	144495	144495	144495
5°	186659	173295	143716	102328	78090
10°	230666	195340	139082	38701	11472
15°	298738	222320	126877	8487	7578
20°	306125	258968	102121	7074	7313
25°	311055	274113	68467	6841	7335
30°	345211	272287	35319	6901	7676
35°	360108	266233	9734	7296	8389
40°	394043	233476	4631	7801	9263
45°	385506	198404	4701	8452	10351
50°	277898	48951	5171	9297	11387
55°	53326	3093	5405	10059	12761
60°	2652	3100	5304	10643	13743
65°	2608	3138	5257	11003	14670
70°	2568	3223	5187	11028	14905
75°	2595	3394	5124	11112	15438
80°	1289	3868	5058	11505	15274
85°	2569	2569	5138	10078	15215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 385506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	5.4
10°-20°	201.4	14.8
20°-30°	310.1	22.7
30°-40°	363.8	26.7
40°-50°	291.7	21.4
50°-60°	90.6	6.6
60°-70°	17.1	1.3
70°-80°	11.4	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°	584.4	42.9
0°-40°	948.2	69.6
0°-60°	1330.5	97.6
0°-90°	1363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	839	839	839	839	839	
5°	1080	1002	831	592	452	110
15°	1676	1247	712	48	42	459
25°	1637	1442	360	36	39	773
35°	1713	1266	46	35	40	1084
45°	1583	815	19	35	42	1133
55°	178	10	18	34	42	281
65°	6	8	13	27	36	6
75°	4	5	8	17	23	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°	839.0	839.0	839.0	839.0	839.0	839.0	839.0	839.0	839.0	839.0	839.0
2.5°	967.7	957.4	957.4	953.5	949.7	951.0	940.7	944.5	934.2	926.5	920.1
5°	1079.7	1066.8	1065.5	1059.1	1052.6	1047.5	1034.6	1026.9	1011.5	1002.4	983.1
7.5°	1195.5	1185.2	1178.7	1171.0	1159.4	1146.6	1124.7	1110.5	1086.1	1061.6	1037.2
10°	1319.0	1310.0	1295.8	1286.8	1254.7	1234.1	1204.5	1185.2	1149.1	1117.0	1079.7
12.5°	1535.2	1530.1	1503.0	1485.0	1438.7	1397.5	1333.2	1281.7	1217.4	1164.6	1114.4
15°	1675.5	1669.0	1654.9	1638.1	1608.6	1562.2	1504.3	1432.3	1342.2	1246.9	1162.0
17.5°	1699.9	1701.2	1692.2	1688.3	1669.0	1639.4	1593.1	1539.1	1449.0	1343.5	1227.6
20°	1670.3	1680.6	1678.0	1685.8	1689.6	1678.0	1647.2	1594.4	1515.9	1413.0	1283.0
22.5°	1634.3	1643.3	1640.7	1654.9	1676.8	1688.3	1678.0	1635.6	1555.8	1441.3	1313.9
25°	1636.9	1643.3	1624.0	1633.0	1661.3	1689.6	1690.9	1653.6	1567.4	1442.5	1311.3
27.5°	1693.5	1674.2	1630.4	1626.6	1661.3	1697.3	1699.9	1653.6	1550.6	1415.5	1285.6
30°	1735.9	1721.8	1672.9	1666.5	1699.9	1724.4	1711.5	1639.4	1510.8	1369.2	1248.2
32.5°	1715.4	1717.9	1697.3	1717.9	1761.7	1772.0	1717.9	1606.0	1455.4	1324.2	1204.5
35°	1712.8	1723.1	1734.7	1766.8	1796.4	1772.0	1685.8	1542.9	1396.2	1266.3	1136.3
37.5°	1728.2	1745.0	1761.7	1790.0	1790.0	1726.9	1600.8	1463.1	1325.4	1183.9	994.7
40°	1752.7	1763.0	1768.1	1765.5	1730.8	1638.1	1504.3	1366.6	1235.4	1038.5	900.8
42.5°	1720.5	1719.2	1714.1	1692.2	1627.9	1506.9	1382.1	1270.1	1062.9	936.8	779.8
45°	1582.8	1582.8	1568.7	1533.9	1474.7	1374.3	1263.7	1100.2	969.0	814.6	579.1
47.5°	1198.0	1189.0	1204.5	1225.1	1225.1	1216.1	1115.7	974.1	840.3	588.1	185.3
50°	1037.2	1023.0	1003.7	1007.6	1005.0	1015.3	951.0	844.2	621.5	182.7	12.9
52.5°	586.8	612.5	675.6	764.4	804.3	818.4	778.5	642.1	209.8	11.6	10.3
55°	177.6	182.7	207.2	254.8	346.2	442.7	449.1	208.5	14.2	10.3	10.3
57.5°	7.7	7.7	10.3	15.4	36.0	54.0	57.9	12.9	9.0	10.3	10.3
60°	7.7	7.7	7.7	7.7	7.7	7.7	9.0	9.0	9.0	9.0	10.3
62.5°	6.4	6.4	7.7	7.7	7.7	7.7	7.7	7.7	9.0	9.0	9.0
65°	6.4	6.4	6.4	6.4	6.4	6.4	7.7	7.7	7.7	7.7	9.0
67.5°	5.1	5.1	5.1	6.4	6.4	6.4	6.4	6.4	7.7	7.7	7.7
70°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.4	6.4	6.4	6.4
72.5°	3.9	3.9	3.9	3.9	3.9	5.1	5.1	5.1	5.1	5.1	6.4
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1	5.1	5.1	5.1
77.5°	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9
80°	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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°	839.0	839.0	839.0	839.0	839.0	839.0	839.0	839.0
2.5°	911.1	900.8	889.2	840.3	792.7	728.4	684.6	671.7
5°	966.4	949.7	924.0	831.3	719.3	591.9	489.0	451.7
7.5°	1012.7	987.0	951.0	818.4	631.8	401.5	258.7	218.8
10°	1046.2	1014.0	967.7	795.3	516.0	221.3	87.5	65.6
12.5°	1074.5	1032.0	976.7	760.5	375.8	90.1	45.0	45.0
15°	1093.8	1042.3	980.6	711.6	243.2	47.6	42.5	42.5
17.5°	1120.8	1053.9	980.6	643.4	132.5	41.2	41.2	41.2
20°	1164.6	1065.5	966.4	557.2	73.3	38.6	39.9	39.9
22.5°	1187.8	1082.2	948.4	456.8	46.3	37.3	38.6	38.6
25°	1192.9	1079.7	909.8	360.3	37.3	36.0	37.3	38.6
27.5°	1174.9	1061.6	858.3	262.5	33.5	34.7	37.3	38.6
30°	1142.7	1017.9	776.0	177.6	30.9	34.7	37.3	38.6
32.5°	1082.2	912.4	679.5	106.8	29.6	34.7	37.3	39.9
35°	947.1	801.7	568.8	46.3	28.3	34.7	38.6	39.9
37.5°	849.3	691.0	440.1	23.2	28.3	34.7	38.6	41.2
40°	741.2	555.9	203.3	20.6	28.3	34.7	38.6	41.2
42.5°	564.9	257.4	24.4	20.6	27.0	34.7	39.9	41.2
45°	205.9	27.0	12.9	19.3	27.0	34.7	39.9	42.5
47.5°	15.4	10.3	11.6	19.3	27.0	34.7	39.9	42.5
50°	10.3	10.3	11.6	19.3	27.0	34.7	39.9	42.5
52.5°	10.3	11.6	11.6	18.0	25.7	34.7	39.9	42.5
55°	10.3	11.6	11.6	18.0	25.7	33.5	39.9	42.5
57.5°	10.3	10.3	11.6	16.7	24.4	32.2	39.9	41.2
60°	10.3	10.3	11.6	15.4	23.2	30.9	37.3	39.9
62.5°	10.3	10.3	10.3	14.2	21.9	29.6	36.0	38.6
65°	9.0	9.0	10.3	12.9	19.3	27.0	33.5	36.0
67.5°	7.7	9.0	9.0	11.6	18.0	24.4	30.9	33.5
70°	7.7	7.7	7.7	10.3	15.4	21.9	28.3	29.6
72.5°	6.4	6.4	7.7	9.0	14.2	19.3	25.7	27.0
75°	5.1	6.4	6.4	7.7	11.6	16.7	21.9	23.2
77.5°	5.1	5.1	5.1	6.4	10.3	14.2	18.0	19.3
80°	3.9	3.9	3.9	5.1	7.7	11.6	14.2	15.4
82.5°	2.6	3.9	3.9	3.9	6.4	7.7	10.3	11.6
85°	2.6	2.6	2.6	2.6	3.9	5.1	6.4	7.7
87.5°	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)