

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: P1308329

Luminaire Tested: LDSQA3D17R509027DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509027DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

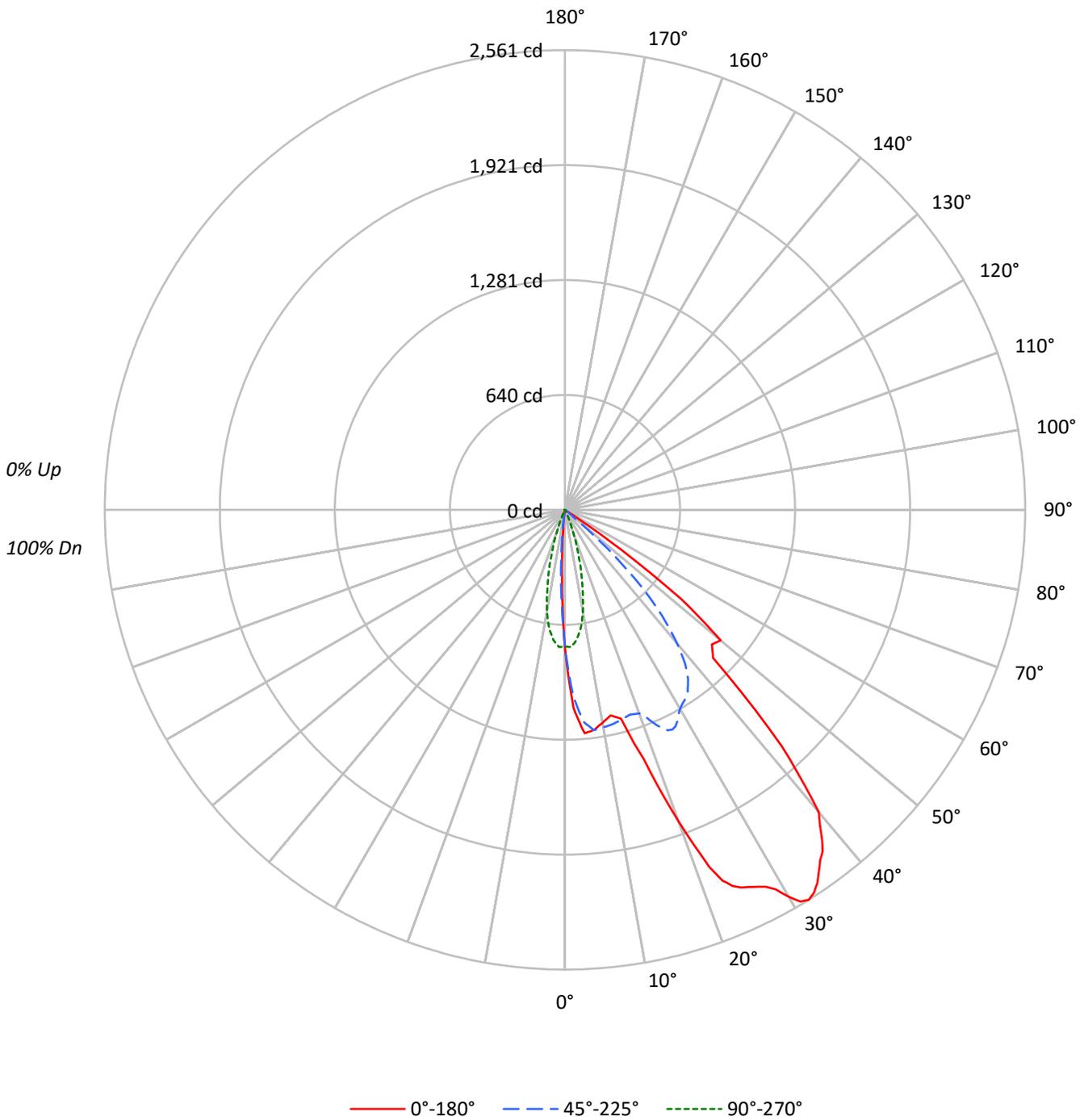
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1226.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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				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	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	82	82	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74	74	74	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66	66	66	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	59	59	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	54	54	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	44	44	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	131096	131096	131096	131096	131096
5°	215997	204984	125978	37429	18706
10°	210502	215137	100940	1889	2518
15°	214617	215901	60461	1926	642
20°	338308	221049	24907	0	0
25°	441033	257543	5948	0	0
30°	495016	254687	239	0	0
35°	518044	250801	0	0	0
40°	494201	217896	0	0	0
45°	283820	143798	0	0	0
50°	302869	16424	0	0	0
55°	86295	0	0	0	0
60°	0	0	413	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	2380	1190	0
85°	0	2371	4742	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 313388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	5.2
10°-20°	161.1	13.1
20°-30°	309.4	25.2
30°-40°	360.1	29.4
40°-50°	257.7	21.0
50°-60°	71.7	5.9
60°-70°	0.5	0.0
70°-80°	0.7	0.1
80°-90°	0.9	0.1
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°	534.4	43.6
0°-40°	894.5	73.0
0°-60°	1223.9	99.8
0°-90°	1226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	761	761	761	761	761	
5°	1249	1186	729	216	108	115
15°	1204	1211	339	11	4	388
25°	2321	1355	31	0	0	1056
35°	2464	1193	0	0	0	1525
45°	1165	590	0	0	0	1096
55°	287	0	0	0	0	362
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2	761.2
2.5°	1106.3	1112.3	1113.5	1099.1	1101.5	1081.1	1082.3	1067.8	1033.0	911.5	764.8
5°	1249.4	1245.8	1249.4	1244.6	1249.4	1237.4	1230.2	1224.2	1185.7	1013.7	728.7
7.5°	1236.2	1231.4	1238.6	1241.0	1249.4	1245.8	1247.0	1250.6	1237.4	1069.0	667.4
10°	1203.7	1202.5	1206.1	1206.1	1215.8	1217.0	1221.8	1229.0	1230.2	1088.3	577.2
12.5°	1172.5	1168.9	1168.9	1167.7	1172.5	1171.3	1183.3	1200.1	1223.0	1076.3	453.4
15°	1203.7	1200.1	1195.3	1182.1	1172.5	1161.6	1162.8	1173.7	1210.9	1045.0	339.1
17.5°	1456.3	1437.0	1413.0	1370.9	1326.4	1249.4	1203.7	1174.9	1196.5	996.9	226.1
20°	1845.9	1837.5	1799.0	1730.4	1658.3	1545.3	1404.6	1291.5	1206.1	936.8	135.9
21°	1993.8	1989.0	1948.1	1884.4	1802.6	1665.5	1521.2	1385.3	1225.4	911.5	107.0
22°	2145.3	2127.3	2094.8	2023.9	1938.5	1801.4	1640.3	1489.9	1263.9	879.0	81.8
23°	2242.7	2231.9	2197.0	2140.5	2058.7	1925.3	1760.5	1597.0	1301.1	843.0	61.3
24°	2293.2	2289.6	2262.0	2222.3	2152.5	2016.6	1860.3	1692.0	1332.4	800.9	44.5
25°	2320.9	2308.9	2292.0	2263.2	2210.2	2092.4	1952.9	1774.9	1355.3	758.8	31.3
26°	2337.7	2330.5	2304.0	2278.8	2228.3	2132.1	2013.0	1825.4	1361.3	707.1	21.6
27°	2357.0	2340.1	2314.9	2284.8	2228.3	2144.1	2035.9	1847.1	1354.0	654.2	14.4
28°	2377.4	2365.4	2330.5	2292.0	2224.7	2144.1	2027.5	1818.2	1332.4	603.7	8.4
29°	2417.1	2401.5	2358.2	2301.6	2225.9	2141.7	1995.0	1758.1	1303.5	547.2	4.8
30°	2489.2	2456.8	2403.9	2324.5	2234.3	2136.9	1940.9	1667.9	1280.7	483.4	1.2
31°	2545.8	2527.7	2466.4	2366.6	2258.4	2123.7	1877.1	1578.9	1265.1	428.1	0.0
32°	2561.4	2548.2	2503.7	2409.9	2299.2	2112.8	1805.0	1492.3	1253.0	366.8	0.0
33°	2543.4	2534.9	2488.0	2402.7	2310.1	2098.4	1722.0	1407.0	1239.8	311.5	0.0
34°	2509.7	2498.9	2458.0	2371.4	2282.4	2035.9	1642.7	1342.0	1220.6	259.7	0.0
35°	2464.0	2455.6	2413.5	2328.1	2231.9	1938.5	1563.3	1298.7	1192.9	208.0	0.0
36°	2414.7	2412.3	2358.2	2274.0	2167.0	1844.7	1467.1	1266.3	1165.3	164.7	0.0
37°	2382.2	2370.2	2311.3	2228.3	2090.0	1735.3	1390.1	1255.4	1126.8	127.5	0.0
38°	2323.3	2325.7	2258.4	2182.6	2011.8	1640.3	1327.6	1247.0	1083.5	92.6	0.0
39°	2253.5	2254.7	2185.0	2120.1	1919.2	1540.4	1275.9	1238.6	1029.4	58.9	0.0
40°	2198.2	2197.0	2117.7	2047.9	1819.4	1446.6	1248.2	1226.6	969.2	33.7	0.0
42.5°	1787.0	1794.2	1803.8	1832.7	1584.9	1281.9	1221.8	1159.2	798.5	0.0	0.0
45°	1165.3	1192.9	1200.1	1286.7	1285.5	1214.6	1159.2	1039.0	590.4	0.0	0.0
47.5°	1108.7	1117.2	1132.8	1166.5	1184.5	1149.6	1036.6	868.2	322.3	0.0	0.0
50°	1130.4	1129.2	1132.8	1132.8	1100.3	1010.1	850.2	640.9	61.3	0.0	0.0
52.5°	811.7	841.8	874.2	888.7	846.6	751.6	620.5	376.4	0.0	0.0	0.0
55°	287.4	277.8	270.6	295.8	289.8	325.9	269.4	87.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	4.8	10.8	14.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
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):

	112.5°	135°	157.5°	180°
0°	761.2	761.2	761.2	761.2
2.5°	609.7	467.8	378.8	384.8
5°	428.1	216.5	133.5	108.2
7.5°	256.1	66.1	13.2	10.8
10°	120.3	10.8	12.0	14.4
12.5°	36.1	9.6	13.2	12.0
15°	9.6	10.8	6.0	3.6
17.5°	3.6	4.8	0.0	0.0
20°	2.4	0.0	0.0	0.0
21°	2.4	0.0	0.0	0.0
22°	1.2	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	1.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	1.2	0.0	0.0
85°	1.2	1.2	0.0	0.0
87.5°	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)