

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: P1320298

Luminaire Tested: LDSQA3D17R509840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320298
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: LDSQA3D17R509840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

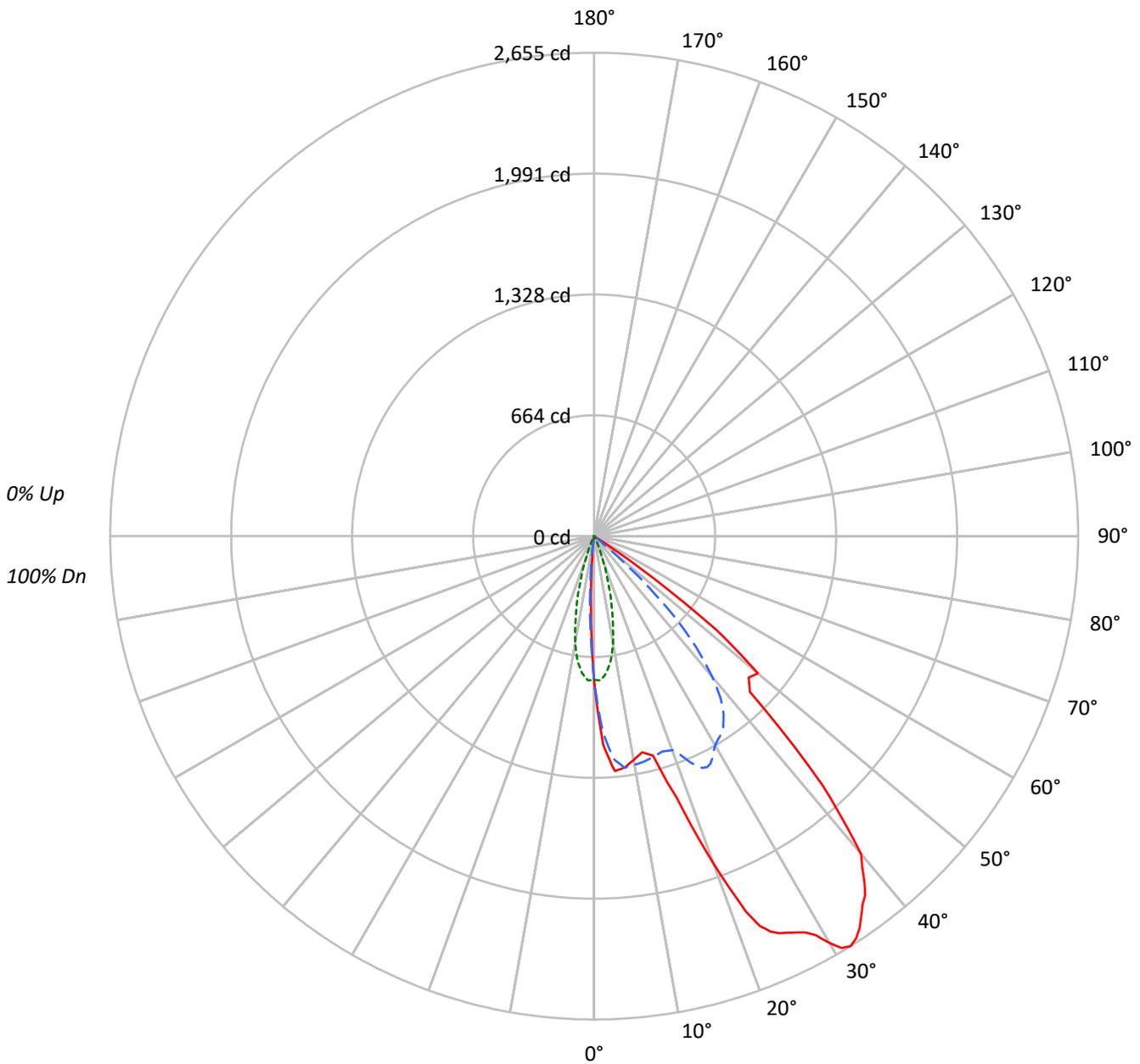
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1270.9 lumens
Efficiency: N/A
Efficacy: 62.3 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): 20.4
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	135901	135901	135901	135901	135901
5°	223932	212505	130611	38794	19397
10°	218232	223024	104648	1959	2623
15°	222498	223835	62690	1997	660
20°	350716	229168	25824	0	0
25°	457223	266987	6157	0	0
30°	513193	264034	239	0	0
35°	537050	260010	0	0	0
40°	512344	225900	0	0	0
45°	294220	149083	0	0	0
50°	313988	17040	0	0	0
55°	89478	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	2479	1190	0
85°	0	2371	4940	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 324884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	5.2
10°-20°	167.0	13.1
20°-30°	320.7	25.2
30°-40°	373.3	29.4
40°-50°	267.2	21.0
50°-60°	74.4	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°	554.0	43.6
0°-40°	927.3	73.0
0°-60°	1268.8	99.8
0°-90°	1270.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1270.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	789	789	789	789	789	
5°	1295	1229	756	224	112	119
15°	1248	1255	352	11	4	403
25°	2406	1405	32	0	0	1094
35°	2554	1237	0	0	0	1580
45°	1208	612	0	0	0	1136
55°	298	0	0	0	0	375
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°	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1
2.5°	1146.9	1153.2	1154.4	1139.5	1141.9	1120.8	1122.0	1107.0	1070.9	945.0	792.9
5°	1295.3	1291.5	1295.3	1290.3	1295.3	1282.8	1275.3	1269.1	1229.2	1050.9	755.5
7.5°	1281.6	1276.6	1284.1	1286.6	1295.3	1291.5	1292.8	1296.5	1282.8	1108.3	691.9
10°	1247.9	1246.7	1250.4	1250.4	1260.4	1261.6	1266.6	1274.1	1275.3	1128.2	598.4
12.5°	1215.5	1211.8	1211.8	1210.5	1215.5	1214.3	1226.7	1244.2	1267.9	1115.8	470.0
15°	1247.9	1244.2	1239.2	1225.5	1215.5	1204.3	1205.5	1216.7	1255.4	1083.4	351.6
17.5°	1509.7	1489.8	1464.8	1421.2	1375.1	1295.3	1247.9	1218.0	1240.4	1033.5	234.4
20°	1913.6	1904.9	1865.0	1794.0	1719.2	1602.0	1456.1	1338.9	1250.4	971.2	140.9
21°	2067.0	2062.0	2019.6	1953.5	1868.8	1726.6	1577.0	1436.2	1270.4	945.0	111.0
22°	2224.1	2205.4	2171.7	2098.1	2009.6	1867.5	1700.5	1544.6	1310.2	911.3	84.8
23°	2325.0	2313.8	2277.7	2219.1	2134.3	1995.9	1825.1	1655.6	1348.9	873.9	63.6
24°	2377.4	2373.7	2345.0	2303.8	2231.5	2090.7	1928.6	1754.1	1381.3	830.3	46.1
25°	2406.1	2393.6	2376.2	2346.2	2291.4	2169.2	2024.6	1840.1	1405.0	786.6	32.4
26°	2423.5	2416.0	2388.6	2362.4	2310.1	2210.3	2086.9	1892.4	1411.2	733.0	22.4
27°	2443.5	2426.0	2399.8	2368.7	2310.1	2222.8	2110.6	1914.9	1403.7	678.2	15.0
28°	2464.7	2452.2	2416.0	2376.2	2306.3	2222.8	2101.9	1885.0	1381.3	625.8	8.7
29°	2505.8	2489.6	2444.7	2386.1	2307.6	2220.3	2068.2	1822.6	1351.4	567.2	5.0
30°	2580.6	2546.9	2492.1	2409.8	2316.3	2215.3	2012.1	1729.1	1327.7	501.2	1.2
31°	2639.2	2620.5	2556.9	2453.4	2341.2	2201.6	1946.0	1636.9	1311.5	443.8	0.0
32°	2655.4	2641.7	2595.6	2498.3	2383.6	2190.4	1871.2	1547.1	1299.0	380.2	0.0
33°	2636.7	2628.0	2579.4	2490.8	2394.9	2175.4	1785.2	1458.6	1285.3	322.9	0.0
34°	2601.8	2590.6	2548.2	2458.4	2366.2	2110.6	1702.9	1391.3	1265.4	269.3	0.0
35°	2554.4	2545.7	2502.1	2413.6	2313.8	2009.6	1620.7	1346.4	1236.7	215.7	0.0
36°	2503.3	2500.8	2444.7	2357.5	2246.5	1912.4	1520.9	1312.7	1208.0	170.8	0.0
37°	2469.7	2457.2	2396.1	2310.1	2166.7	1798.9	1441.1	1301.5	1168.1	132.1	0.0
38°	2408.6	2411.1	2341.2	2262.7	2085.7	1700.5	1376.3	1292.8	1123.2	96.0	0.0
39°	2336.3	2337.5	2265.2	2197.9	1989.7	1597.0	1322.7	1284.1	1067.1	61.1	0.0
40°	2278.9	2277.7	2195.4	2123.1	1886.2	1499.7	1294.0	1271.6	1004.8	34.9	0.0
42.5°	1852.5	1860.0	1870.0	1899.9	1643.1	1328.9	1266.6	1201.8	827.8	0.0	0.0
45°	1208.0	1236.7	1244.2	1333.9	1332.7	1259.1	1201.8	1077.1	612.1	0.0	0.0
47.5°	1149.4	1158.2	1174.4	1209.3	1228.0	1191.8	1074.6	900.1	334.1	0.0	0.0
50°	1171.9	1170.6	1174.4	1174.4	1140.7	1047.2	881.4	664.5	63.6	0.0	0.0
52.5°	841.5	872.7	906.3	921.3	877.7	779.2	643.3	390.2	0.0	0.0	0.0
55°	298.0	288.0	280.5	306.7	300.4	337.8	279.3	91.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	5.0	11.2	15.0	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	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5



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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	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
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°	789.1	789.1	789.1	789.1
2.5°	632.1	485.0	392.7	398.9
5°	443.8	224.4	138.4	112.2
7.5°	265.5	68.6	13.7	11.2
10°	124.7	11.2	12.5	15.0
12.5°	37.4	10.0	13.7	12.5
15°	10.0	11.2	6.2	3.7
17.5°	3.7	5.0	0.0	0.0
20°	2.5	0.0	0.0	0.0
21°	2.5	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)