

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: P1319808

Luminaire Tested: LDSQA3D05R309840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

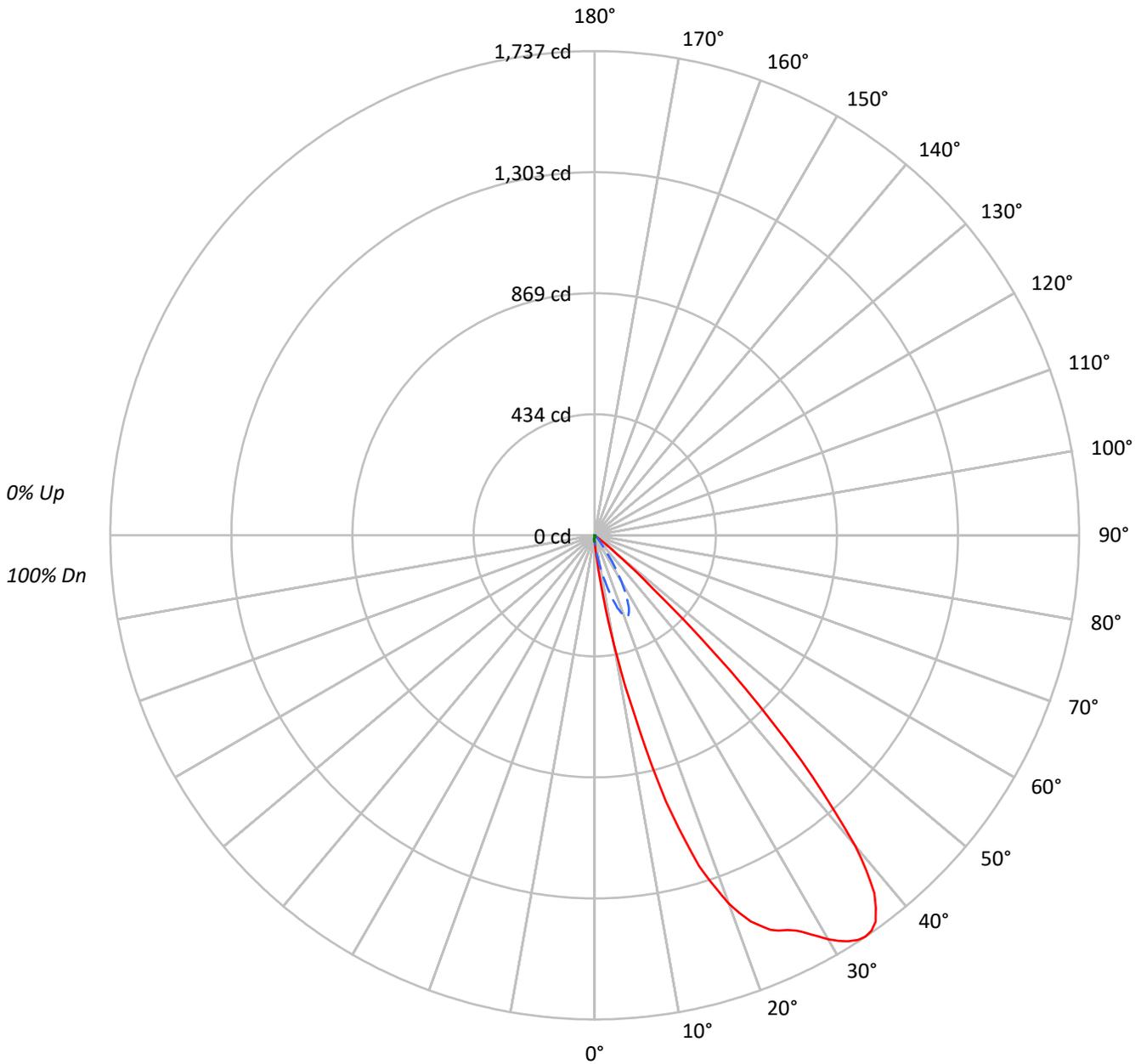
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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



— 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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3858	3858	3858	3858	3858
5°	13969	8679	3527	1418	1020
10°	69147	20793	2746	280	0
15°	176390	39582	1747	0	0
20°	257740	56284	715	0	0
25°	297354	55241	152	0	0
30°	332782	37904	0	0	0
35°	363955	16336	0	0	0
40°	326664	6340	0	0	0
45°	166814	2582	0	0	0
50°	25748	322	0	0	0
55°	1531	0	120	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 166814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	1.1
10°-20°	55.7	13.3
20°-30°	137.6	32.9
30°-40°	158.3	37.9
40°-50°	58.7	14.0
50°-60°	2.1	0.5
60°-70°	0.2	0.1
70°-80°	0.4	0.1
80°-90°	0.3	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°	198.0	47.4
0°-40°	356.3	85.2
0°-60°	417.1	99.8
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	81	50	20	8	6	18
15°	989	222	10	0	0	284
25°	1565	291	1	0	0	723
35°	1731	78	0	0	0	1050
45°	685	11	0	0	0	533
55°	5	0	0	0	0	17
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
2.5°	39.6	40.0	40.0	38.8	38.4	38.1	36.9	33.3	27.9	22.4	18.0
5°	80.8	81.2	81.2	78.8	74.1	69.4	65.5	50.2	32.2	20.4	13.3
7.5°	190.6	191.0	182.8	173.4	154.6	144.7	126.7	77.3	36.5	18.4	8.6
10°	395.4	386.8	365.2	337.7	308.7	271.1	233.0	118.9	39.6	15.7	5.5
12.5°	661.0	652.7	624.9	585.7	528.8	455.0	382.9	167.1	40.0	12.6	3.1
15°	989.3	966.2	932.8	867.7	783.8	669.6	550.4	222.0	38.4	9.8	0.8
17.5°	1243.9	1222.7	1180.3	1104.2	999.9	873.2	726.9	274.2	34.1	6.3	0.0
20°	1406.3	1383.9	1344.3	1277.2	1166.2	1017.5	850.0	307.1	28.2	3.9	0.0
21°	1452.6	1431.0	1392.2	1325.5	1214.9	1066.6	880.3	314.2	25.5	3.1	0.0
22°	1493.4	1476.5	1440.4	1367.8	1255.3	1102.7	910.9	315.0	23.5	2.4	0.0
23°	1522.0	1509.8	1473.8	1407.1	1294.9	1132.1	927.3	310.3	21.2	1.6	0.0
24°	1549.5	1534.6	1503.6	1441.6	1326.3	1156.8	942.2	301.7	18.8	1.2	0.0
25°	1564.8	1547.5	1523.6	1465.5	1352.2	1172.5	951.3	290.7	16.5	0.8	0.0
26°	1575.4	1562.0	1535.7	1479.6	1363.1	1182.7	952.4	274.6	14.9	0.4	0.0
27°	1591.4	1578.1	1552.6	1492.2	1367.8	1181.1	945.4	256.2	12.9	0.0	0.0
28°	1615.8	1598.1	1572.6	1505.5	1369.8	1174.5	929.7	236.1	11.0	0.0	0.0
29°	1643.6	1625.6	1597.7	1523.2	1370.2	1161.1	905.0	214.2	9.8	0.0	0.0
30°	1673.4	1657.7	1629.5	1540.4	1374.5	1143.9	876.3	190.6	7.8	0.0	0.0
31°	1697.0	1682.8	1652.6	1556.1	1378.0	1129.0	841.0	167.1	6.7	0.0	0.0
32°	1717.4	1704.8	1667.5	1559.7	1371.0	1107.8	803.4	144.4	5.5	0.0	0.0
33°	1731.5	1715.8	1672.2	1550.6	1350.6	1072.9	761.4	122.8	4.3	0.0	0.0
34°	1736.6	1717.8	1665.2	1527.1	1309.4	1019.9	706.9	100.4	3.5	0.0	0.0
35°	1731.1	1707.9	1639.7	1486.7	1253.7	956.7	641.4	77.7	2.7	0.0	0.0
36°	1713.4	1684.0	1603.2	1429.0	1174.1	882.2	575.9	60.4	2.0	0.0	0.0
37°	1675.4	1642.8	1540.8	1352.9	1095.2	796.7	501.3	47.1	1.2	0.0	0.0
38°	1628.7	1581.6	1457.7	1256.8	993.2	700.6	427.6	38.8	0.8	0.0	0.0
39°	1549.1	1497.3	1358.8	1146.2	893.2	609.2	355.8	33.7	0.4	0.0	0.0
40°	1453.0	1391.4	1245.9	1027.7	775.1	513.5	296.9	28.2	0.4	0.0	0.0
42.5°	1096.0	1043.8	887.3	699.0	473.9	302.8	164.8	18.4	0.0	0.0	0.0
45°	684.9	630.4	524.5	383.2	256.5	156.9	79.2	10.6	0.0	0.0	0.0
47.5°	279.7	256.5	211.0	162.4	116.1	73.7	33.0	4.7	0.0	0.0	0.0
50°	96.1	85.5	71.8	52.6	37.3	25.5	17.3	1.2	0.0	0.0	0.0
52.5°	27.9	28.2	24.7	21.2	16.5	11.8	8.6	0.0	0.0	0.0	0.0
55°	5.1	4.3	5.1	4.7	5.1	4.3	3.1	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
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):

	135°	157.5°	180°
0°	22.4	22.4	22.4
2.5°	14.5	12.9	12.2
5°	8.2	6.3	5.9
7.5°	4.3	2.7	2.4
10°	1.6	0.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)