

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: P1318932

Luminaire Tested: LDSQA3D05R309835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

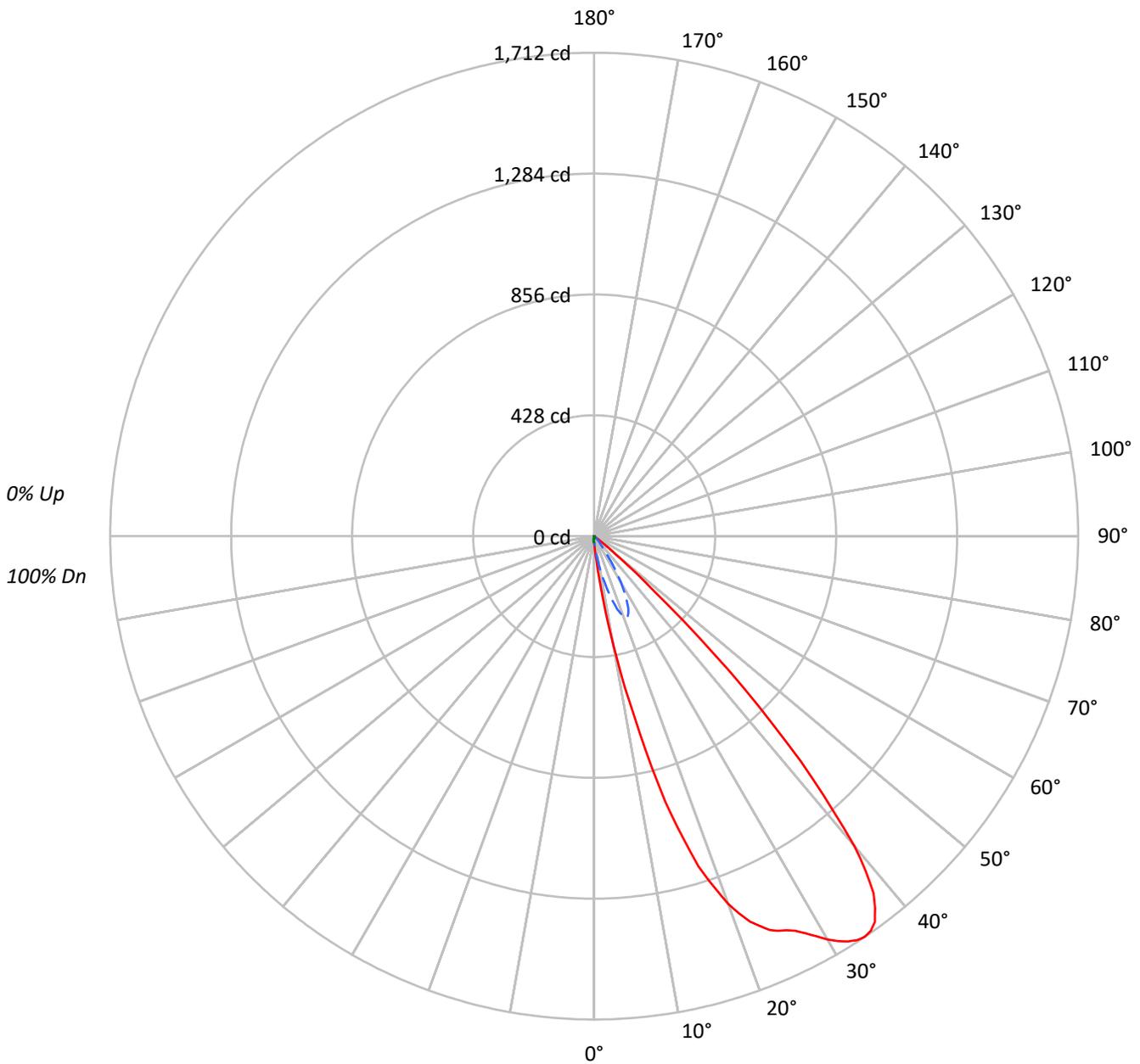
Test Method: LM-79-2019  
Report Number: P1318932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309835DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 412.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
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 (A<sub>in</sub>): 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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CATALOG NUMBER: LDSQA3D05R309835DE010 3LSQCA30R 1MB

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	3789	3789	3789	3789	3789
5°	13761	8558	3475	1400	1003
10°	68151	20496	2711	262	0
15°	173858	39012	1729	0	0
20°	254038	55477	715	0	0
25°	293078	54443	152	0	0
30°	328009	37367	0	0	0
35°	358720	16105	0	0	0
40°	321966	6250	0	0	0
45°	164427	2533	0	0	0
50°	25373	322	0	0	0
55°	1501	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: 164427 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	1.1
10°-20°	54.9	13.3
20°-30°	135.7	32.9
30°-40°	156.0	37.9
40°-50°	57.9	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°	195.2	47.4
0°-40°	351.2	85.2
0°-60°	411.1	99.8
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	80	50	20	8	6	17
15°	975	219	10	0	0	280
25°	1542	286	1	0	0	713
35°	1706	77	0	0	0	1034
45°	675	10	0	0	0	526
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°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	39.1	39.4	39.4	38.3	37.9	37.5	36.3	32.9	27.5	22.0	17.8
5°	79.6	80.0	80.0	77.7	73.1	68.4	64.6	49.5	31.7	20.1	13.1
7.5°	187.9	188.3	180.2	170.9	152.3	142.7	124.9	76.2	36.0	18.2	8.5
10°	389.7	381.2	360.0	332.9	304.3	267.2	229.7	117.2	39.1	15.5	5.4
12.5°	651.5	643.4	615.9	577.3	521.2	448.5	377.4	164.7	39.4	12.4	3.1
15°	975.1	952.3	919.4	855.2	772.5	660.0	542.5	218.8	37.9	9.7	0.8
17.5°	1226.0	1205.2	1163.4	1088.4	985.5	860.7	716.4	270.3	33.6	6.2	0.0
20°	1386.1	1364.1	1325.0	1258.9	1149.5	1002.9	837.8	302.7	27.8	3.9	0.0
21°	1431.7	1410.5	1372.2	1306.5	1197.4	1051.3	867.6	309.7	25.1	3.1	0.0
22°	1471.9	1455.3	1419.7	1348.2	1237.2	1086.8	897.8	310.5	23.2	2.3	0.0
23°	1500.2	1488.2	1452.6	1386.9	1276.3	1115.8	914.0	305.8	20.9	1.5	0.0
24°	1527.2	1512.5	1482.0	1420.9	1307.2	1140.2	928.7	297.3	18.6	1.2	0.0
25°	1542.3	1525.3	1501.7	1444.5	1332.7	1155.7	937.6	286.5	16.2	0.8	0.0
26°	1552.7	1539.6	1513.7	1458.4	1343.6	1165.7	938.8	270.6	14.7	0.4	0.0
27°	1568.6	1555.5	1530.3	1470.8	1348.2	1164.2	931.8	252.5	12.8	0.0	0.0
28°	1592.6	1575.2	1550.0	1483.9	1350.1	1157.6	916.3	232.8	10.8	0.0	0.0
29°	1620.0	1602.2	1574.8	1501.3	1350.5	1144.5	892.0	211.1	9.7	0.0	0.0
30°	1649.4	1633.9	1606.1	1518.3	1354.8	1127.4	863.8	187.9	7.7	0.0	0.0
31°	1672.6	1658.7	1628.9	1533.8	1358.3	1112.7	829.0	164.7	6.6	0.0	0.0
32°	1692.7	1680.3	1643.6	1537.3	1351.3	1091.9	791.8	142.3	5.4	0.0	0.0
33°	1706.6	1691.2	1648.2	1528.4	1331.2	1057.5	750.5	121.0	4.3	0.0	0.0
34°	1711.7	1693.1	1641.3	1505.2	1290.6	1005.3	696.7	99.0	3.5	0.0	0.0
35°	1706.2	1683.4	1616.2	1465.4	1235.7	943.0	632.2	76.6	2.7	0.0	0.0
36°	1688.8	1659.8	1580.2	1408.5	1157.2	869.6	567.6	59.5	1.9	0.0	0.0
37°	1651.3	1619.2	1518.7	1333.5	1079.5	785.3	494.1	46.4	1.2	0.0	0.0
38°	1605.3	1558.9	1436.8	1238.8	979.0	690.5	421.4	38.3	0.8	0.0	0.0
39°	1526.8	1475.8	1339.3	1129.8	880.4	600.5	350.7	33.3	0.4	0.0	0.0
40°	1432.1	1371.4	1228.0	1013.0	764.0	506.1	292.7	27.8	0.4	0.0	0.0
42.5°	1080.3	1028.8	874.6	689.0	467.1	298.5	162.4	18.2	0.0	0.0	0.0
45°	675.1	621.3	516.9	377.7	252.9	154.7	78.1	10.4	0.0	0.0	0.0
47.5°	275.7	252.9	208.0	160.1	114.4	72.7	32.5	4.6	0.0	0.0	0.0
50°	94.7	84.3	70.8	51.8	36.7	25.1	17.0	1.2	0.0	0.0	0.0
52.5°	27.5	27.8	24.4	20.9	16.2	11.6	8.5	0.0	0.0	0.0	0.0
55°	5.0	4.3	5.0	4.6	5.0	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°	22.0	22.0	22.0
2.5°	14.3	12.8	12.0
5°	8.1	6.2	5.8
7.5°	4.3	2.7	2.3
10°	1.5	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)