

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: P1324757

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

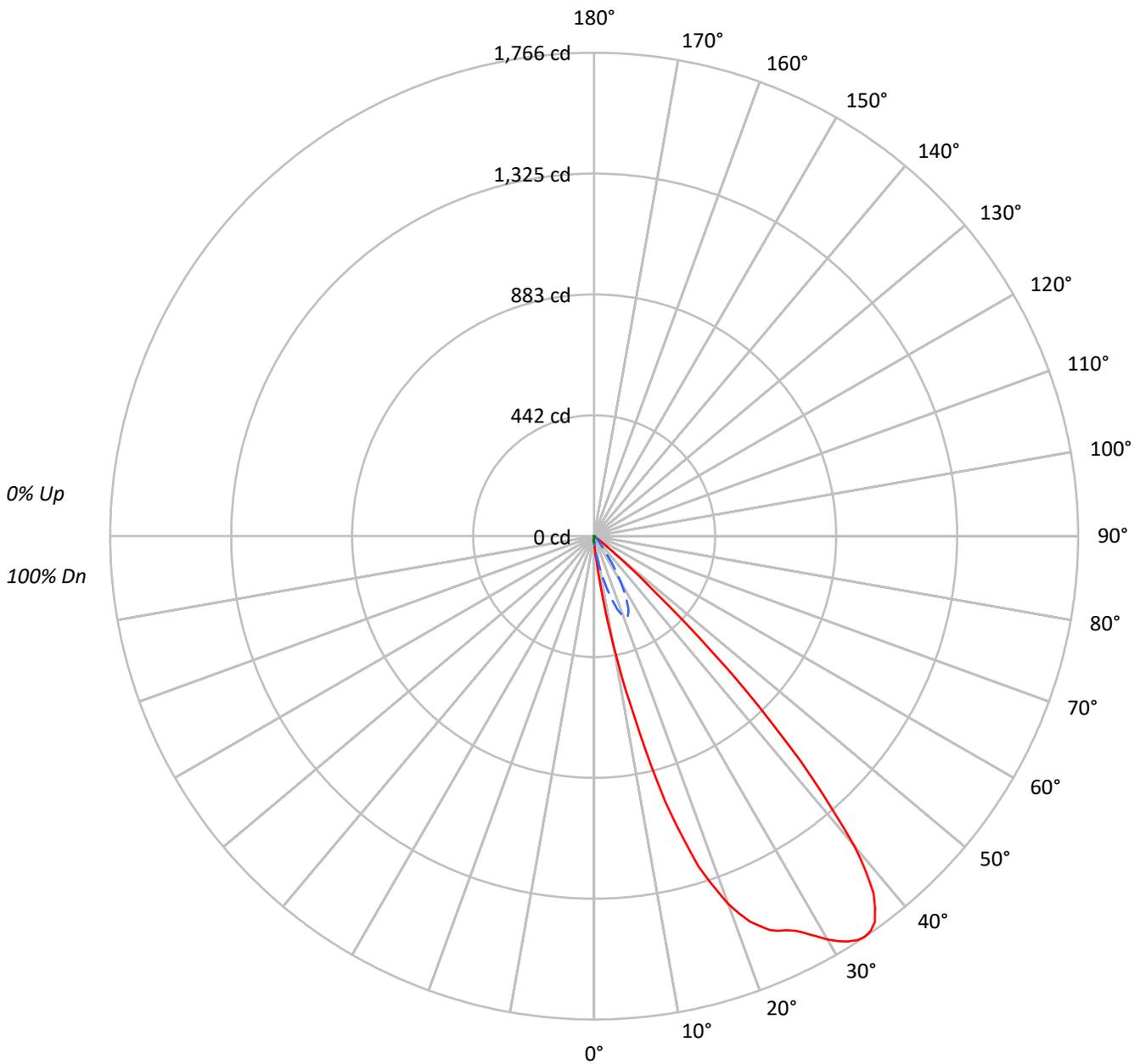
Test Method: LM-79-2019  
Report Number: P1324757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 425.0 lumens  
Efficiency: N/A  
Efficacy: 72.0 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): 5.9  
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	
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				
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68				
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37				

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

	0°	45°	90°	135°	180°
0°	3909	3909	3909	3909	3909
5°	14211	8834	3579	1452	1037
10°	70302	21125	2798	280	0
15°	179350	40242	1783	0	0
20°	262047	57237	733	0	0
25°	302332	56153	152	0	0
30°	338350	38540	0	0	0
35°	370052	16609	0	0	0
40°	332128	6452	0	0	0
45°	169615	2630	0	0	0
50°	26177	322	0	0	0
55°	1561	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: 169615 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	1.1
10°-20°	56.6	13.3
20°-30°	139.9	32.9
30°-40°	160.9	37.9
40°-50°	59.7	14.0
50°-60°	2.2	0.5
60°-70°	0.2	0.0
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°	201.3	47.4
0°-40°	362.2	85.2
0°-60°	424.1	99.8
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	82	51	21	8	6	18
15°	1006	226	10	0	0	289
25°	1591	296	1	0	0	735
35°	1760	79	0	0	0	1067
45°	696	11	0	0	0	542
55°	5	0	0	0	0	18
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°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	40.3	40.7	40.7	39.5	39.1	38.7	37.5	33.9	28.3	22.7	18.3
5°	82.2	82.6	82.6	80.2	75.4	70.6	66.6	51.1	32.7	20.7	13.6
7.5°	193.8	194.2	185.9	176.3	157.1	147.2	128.8	78.6	37.1	18.7	8.8
10°	402.0	393.3	371.3	343.4	313.9	275.6	236.9	120.8	40.3	16.0	5.6
12.5°	672.0	663.7	635.4	595.5	537.6	462.7	389.3	169.9	40.7	12.8	3.2
15°	1005.9	982.3	948.4	882.2	796.9	680.8	559.6	225.7	39.1	10.0	0.8
17.5°	1264.7	1243.2	1200.1	1122.7	1016.6	887.8	739.0	278.8	34.7	6.4	0.0
20°	1429.8	1407.1	1366.8	1298.6	1185.7	1034.6	864.3	312.3	28.7	4.0	0.0
21°	1476.9	1455.0	1415.5	1347.7	1235.2	1084.4	895.0	319.5	25.9	3.2	0.0
22°	1518.4	1501.2	1464.5	1390.8	1276.3	1121.1	926.1	320.3	23.9	2.4	0.0
23°	1547.5	1535.1	1498.4	1430.6	1316.6	1151.1	942.9	315.5	21.5	1.6	0.0
24°	1575.4	1560.3	1528.8	1465.7	1348.5	1176.2	958.0	306.7	19.1	1.2	0.0
25°	1591.0	1573.4	1549.1	1490.1	1374.8	1192.1	967.2	295.5	16.8	0.8	0.0
26°	1601.7	1588.2	1561.5	1504.4	1386.0	1202.5	968.4	279.2	15.2	0.4	0.0
27°	1618.1	1604.5	1578.6	1517.2	1390.8	1200.9	961.2	260.4	13.2	0.0	0.0
28°	1642.8	1624.9	1598.9	1530.7	1392.7	1194.1	945.2	240.1	11.2	0.0	0.0
29°	1671.1	1652.8	1624.5	1548.7	1393.1	1180.6	920.1	217.8	10.0	0.0	0.0
30°	1701.4	1685.5	1656.8	1566.2	1397.5	1163.0	891.0	193.8	8.0	0.0	0.0
31°	1725.4	1711.0	1680.3	1582.2	1401.1	1147.9	855.1	169.9	6.8	0.0	0.0
32°	1746.1	1733.4	1695.5	1585.8	1393.9	1126.3	816.8	146.8	5.6	0.0	0.0
33°	1760.5	1744.5	1700.3	1576.6	1373.2	1090.8	774.1	124.8	4.4	0.0	0.0
34°	1765.7	1746.5	1693.1	1552.7	1331.3	1037.0	718.7	102.1	3.6	0.0	0.0
35°	1760.1	1736.5	1667.1	1511.6	1274.7	972.8	652.1	79.0	2.8	0.0	0.0
36°	1742.1	1712.2	1630.1	1453.0	1193.7	897.0	585.5	61.4	2.0	0.0	0.0
37°	1703.4	1670.3	1566.6	1375.6	1113.6	810.0	509.7	47.9	1.2	0.0	0.0
38°	1656.0	1608.1	1482.1	1277.9	1009.9	712.3	434.7	39.5	0.8	0.0	0.0
39°	1575.0	1522.4	1381.6	1165.4	908.2	619.4	361.7	34.3	0.4	0.0	0.0
40°	1477.3	1414.7	1266.7	1045.0	788.1	522.1	301.9	28.7	0.4	0.0	0.0
42.5°	1114.4	1061.3	902.2	710.7	481.8	307.9	167.5	18.7	0.0	0.0	0.0
45°	696.4	640.9	533.2	389.7	260.8	159.5	80.6	10.8	0.0	0.0	0.0
47.5°	284.4	260.8	214.6	165.1	118.1	75.0	33.5	4.8	0.0	0.0	0.0
50°	97.7	86.9	73.0	53.4	37.9	25.9	17.5	1.2	0.0	0.0	0.0
52.5°	28.3	28.7	25.1	21.5	16.8	12.0	8.8	0.0	0.0	0.0	0.0
55°	5.2	4.4	5.2	4.8	5.2	4.4	3.2	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°	22.7	22.7	22.7
2.5°	14.8	13.2	12.4
5°	8.4	6.4	6.0
7.5°	4.4	2.8	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)