

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: P1326547

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

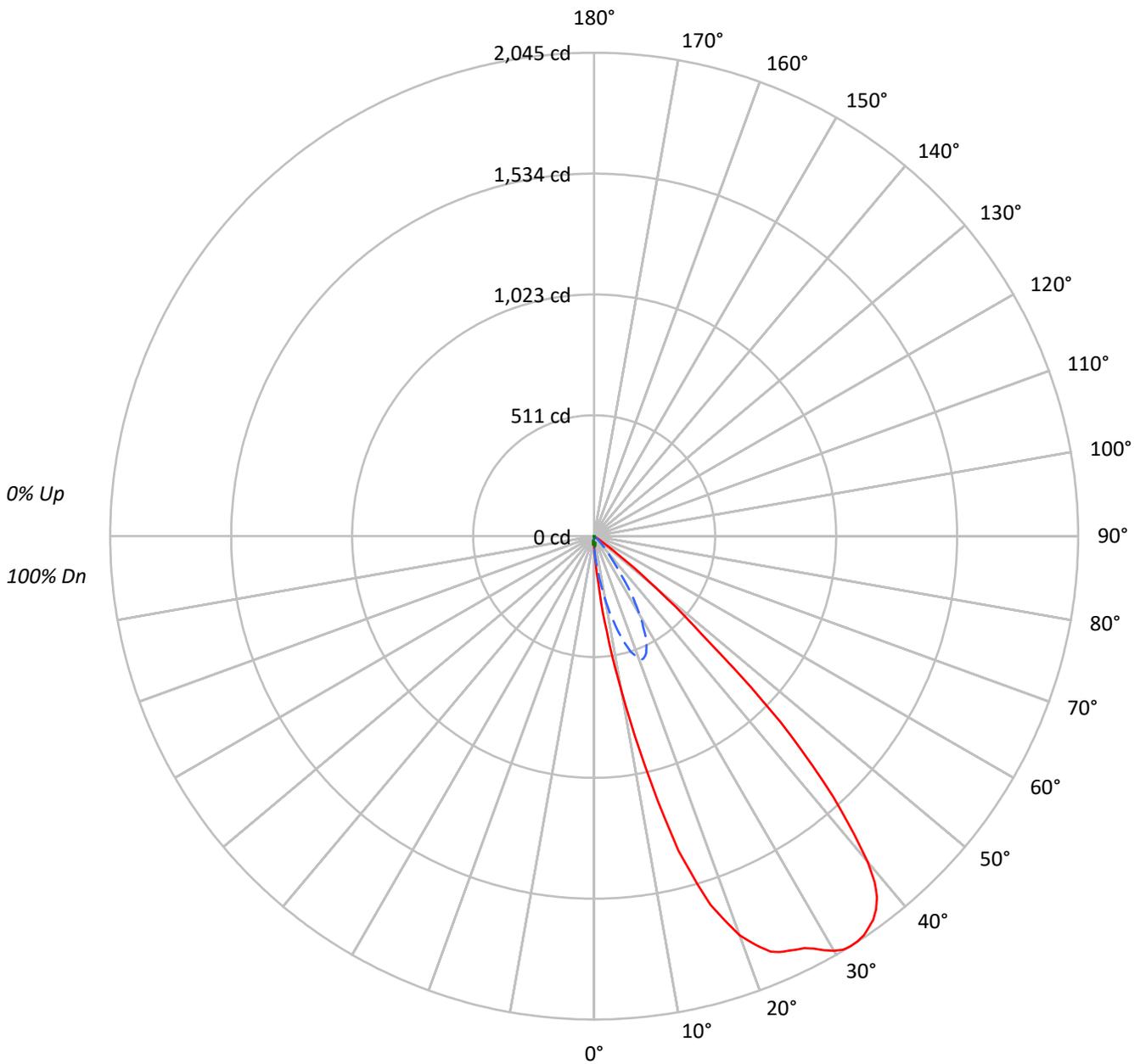
Test Method: LM-79-2019  
Report Number: P1326547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 611.0 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 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	102	102	102	100	
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45	
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40	
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37	

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

	0°	45°	90°	135°	180°
0°	7922	7922	7922	7922	7922
5°	34455	21368	7365	2628	1815
10°	115998	48214	5509	612	210
15°	245481	79093	3423	0	0
20°	329144	101058	1594	0	0
25°	367854	99251	323	0	0
30°	402703	76046	0	0	0
35°	425010	41418	0	0	0
40°	404025	18615	0	0	0
45°	271155	8232	0	0	0
50°	90587	777	0	0	0
55°	4894	0	0	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 271155 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	1.6
10°-20°	84.8	13.9
20°-30°	186.0	30.4
30°-40°	215.1	35.2
40°-50°	106.2	17.4
50°-60°	7.9	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	280.7	45.9
0°-40°	495.8	81.1
0°-60°	609.9	99.8
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	199	124	43	15	10	34
15°	1377	444	19	0	0	389
25°	1936	522	2	0	0	895
35°	2022	197	0	0	0	1248
45°	1113	34	0	0	0	817
55°	16	0	0	0	0	67
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	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°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	91.5	93.8	92.7	92.7	92.1	89.2	83.9	82.2	75.8	60.0	46.6
5°	199.3	199.9	198.2	189.4	181.9	174.9	159.7	152.7	123.6	73.4	42.6
7.5°	404.5	395.8	384.7	372.5	345.7	321.2	289.1	255.3	191.2	85.1	37.9
10°	663.3	651.1	641.8	612.6	564.2	514.1	452.9	397.5	275.7	93.3	31.5
12.5°	997.3	990.3	957.1	898.8	827.1	754.8	648.2	560.2	360.8	95.0	25.6
15°	1376.8	1365.1	1314.4	1231.7	1134.3	1020.6	877.8	729.8	443.6	89.8	19.2
17.5°	1636.2	1629.8	1586.1	1499.2	1387.3	1242.7	1073.7	888.9	511.8	78.7	13.4
20°	1795.9	1786.6	1745.8	1672.3	1555.2	1404.2	1203.7	990.3	551.4	64.7	8.7
21°	1837.3	1828.0	1795.3	1719.0	1607.0	1445.0	1239.2	1014.8	559.0	58.3	7.0
22°	1876.3	1867.0	1832.6	1765.0	1654.3	1485.2	1267.2	1033.5	557.8	53.0	5.2
23°	1909.0	1899.1	1865.3	1802.9	1691.6	1520.8	1288.2	1042.8	550.3	47.8	4.1
24°	1925.9	1920.1	1889.7	1830.9	1721.9	1545.8	1302.8	1046.3	540.9	42.6	2.9
25°	1935.8	1928.8	1899.1	1844.9	1741.7	1565.7	1312.1	1043.4	522.3	37.9	1.7
26°	1946.3	1935.8	1902.0	1849.5	1752.2	1575.0	1312.7	1035.8	502.5	33.8	0.6
27°	1955.6	1945.7	1910.7	1853.0	1753.9	1572.1	1308.0	1021.2	478.6	29.7	0.6
28°	1976.0	1964.9	1924.7	1860.6	1755.7	1564.5	1293.4	1001.4	447.1	26.2	0.0
29°	2002.8	1991.2	1945.1	1878.7	1759.8	1556.3	1273.6	975.2	419.7	23.3	0.0
30°	2025.0	2014.5	1971.9	1901.4	1770.2	1548.7	1250.3	939.6	382.4	19.8	0.0
31°	2041.3	2030.8	1991.7	1920.6	1779.6	1541.8	1221.2	902.9	348.6	17.5	0.0
32°	2045.4	2036.6	1999.9	1928.8	1779.6	1531.3	1194.3	861.5	315.3	14.6	0.0
33°	2043.6	2034.9	1997.6	1923.0	1763.8	1506.2	1161.7	812.0	277.5	12.8	0.0
34°	2037.2	2026.7	1987.1	1904.3	1732.9	1463.6	1114.5	762.4	237.8	10.5	0.0
35°	2021.5	2012.1	1969.0	1869.3	1685.1	1398.9	1051.5	705.3	197.0	8.7	0.0
36°	2006.3	1992.3	1939.3	1826.2	1622.2	1332.5	976.3	639.4	162.0	7.0	0.0
37°	1978.3	1958.5	1904.9	1763.8	1533.0	1238.6	890.7	567.2	135.8	5.2	0.0
38°	1941.0	1914.2	1846.0	1691.6	1443.2	1150.6	810.2	501.9	114.2	3.5	0.0
39°	1883.3	1851.9	1759.2	1592.5	1339.5	1048.6	718.1	432.5	97.3	2.3	0.0
40°	1797.1	1767.3	1664.7	1474.7	1236.3	936.1	623.7	354.4	82.8	1.2	0.0
42.5°	1496.3	1455.5	1336.6	1147.7	914.0	673.2	412.7	197.0	54.8	0.0	0.0
45°	1113.3	1077.2	960.6	788.7	609.1	412.1	220.9	116.0	33.8	0.0	0.0
47.5°	628.9	624.9	549.1	452.9	339.8	219.2	111.9	69.9	14.6	0.0	0.0
50°	338.1	317.1	273.4	207.5	141.6	95.6	60.6	38.5	2.9	0.0	0.0
52.5°	123.6	119.5	100.3	83.4	64.1	43.7	30.9	16.9	0.0	0.0	0.0
55°	16.3	15.2	15.7	16.9	17.5	15.2	9.9	3.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.2	1.2	1.2	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2



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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	0.0	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
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°	46.0	46.0	46.0	46.0
2.5°	35.6	27.4	23.3	22.7
5°	24.5	15.2	11.1	10.5
7.5°	16.9	7.6	5.2	4.7
10°	9.9	3.5	1.7	1.2
12.5°	5.8	0.6	0.0	0.0
15°	1.7	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)