

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: P1323767

Luminaire Tested: LDSQA3D09R359030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

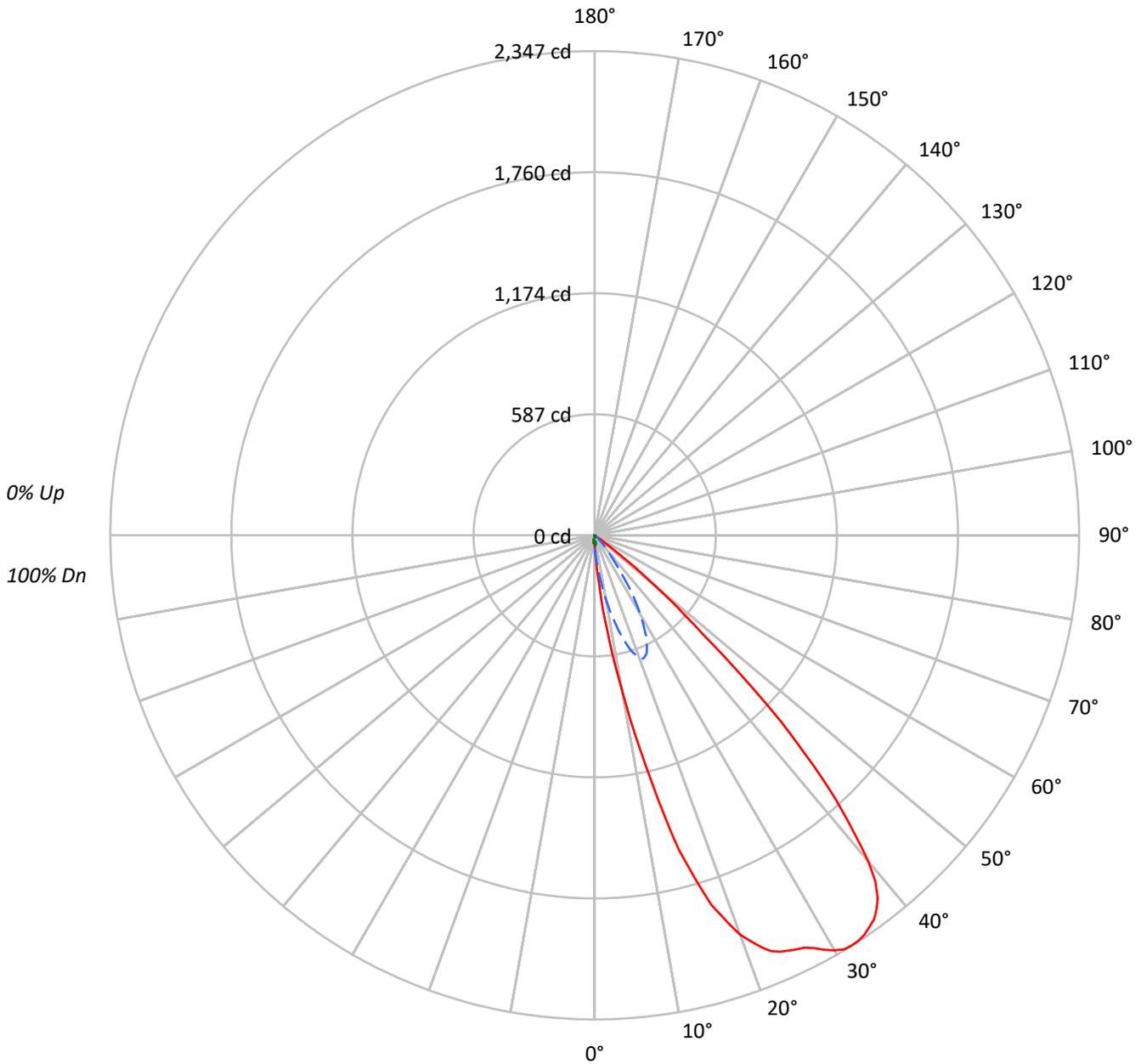
Test Method: LM-79-2019  
Report Number: P1323767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 701.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 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): 14.7  
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	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75				75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67				67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61				61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55				55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49				49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45				45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40				40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37				37

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

	0°	45°	90°	135°	180°
0°	9093	9093	9093	9093	9093
5°	39538	24514	8437	3008	2075
10°	133083	55314	6313	700	227
15°	281640	90736	3940	0	0
20°	377621	115940	1833	0	0
25°	422030	113864	380	0	0
30°	462005	87242	0	0	0
35°	487600	47515	0	0	0
40°	463535	21358	0	0	0
45°	311099	9450	0	0	0
50°	103930	884	0	0	0
55°	5615	0	0	0	0
60°	0	0	241	0	0
65°	0	0	530	0	0
70°	0	352	655	0	0
75°	0	466	865	0	0
80°	0	694	1289	0	0
85°	0	1383	2569	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 311099 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	1.6
10°-20°	97.3	13.9
20°-30°	213.4	30.4
30°-40°	246.8	35.2
40°-50°	121.9	17.4
50°-60°	9.0	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	322.0	45.9
0°-40°	568.9	81.2
0°-60°	699.7	99.8
0°-90°	701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	229	142	49	17	12	39
15°	1580	509	22	0	0	446
25°	2221	599	2	0	0	1027
35°	2319	226	0	0	0	1432
45°	1277	39	0	0	0	938
55°	19	0	0	0	0	76
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°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2.5°	105.0	107.7	106.3	106.3	105.7	102.3	96.3	94.3	86.9	68.9	53.5
5°	228.7	229.4	227.4	217.3	208.7	200.6	183.2	175.2	141.8	84.3	48.8
7.5°	464.1	454.1	441.4	427.3	396.6	368.5	331.7	292.9	219.4	97.6	43.5
10°	761.0	747.0	736.3	702.9	647.4	589.8	519.6	456.1	316.3	107.0	36.1
12.5°	1144.2	1136.2	1098.1	1031.2	949.0	866.0	743.7	642.7	414.0	109.0	29.4
15°	1579.6	1566.2	1508.0	1413.1	1301.4	1171.0	1007.1	837.3	508.9	103.0	22.1
17.5°	1877.2	1869.8	1819.7	1720.0	1591.6	1425.8	1231.8	1019.8	587.2	90.3	15.4
20°	2060.4	2049.7	2002.9	1918.7	1784.2	1611.0	1381.0	1136.2	632.6	74.2	10.0
21°	2107.9	2097.2	2059.8	1972.2	1843.8	1657.8	1421.8	1164.3	641.3	66.9	8.0
22°	2152.7	2142.0	2102.6	2025.0	1897.9	1704.0	1453.9	1185.7	640.0	60.9	6.0
23°	2190.2	2178.8	2140.0	2068.5	1940.7	1744.8	1477.9	1196.4	631.3	54.8	4.7
24°	2209.6	2202.9	2168.1	2100.6	1975.5	1773.5	1494.7	1200.4	620.6	48.8	3.3
25°	2220.9	2212.9	2178.8	2116.6	1998.2	1796.3	1505.4	1197.1	599.2	43.5	2.0
26°	2233.0	2220.9	2182.1	2122.0	2010.3	1807.0	1506.0	1188.4	576.5	38.8	0.7
27°	2243.7	2232.3	2192.2	2126.0	2012.3	1803.6	1500.7	1171.7	549.0	34.1	0.7
28°	2267.1	2254.4	2208.2	2134.7	2014.3	1794.9	1484.0	1148.9	512.9	30.1	0.0
29°	2297.8	2284.5	2231.6	2155.4	2019.0	1785.6	1461.2	1118.8	481.5	26.8	0.0
30°	2323.2	2311.2	2262.4	2181.5	2031.0	1776.9	1434.5	1078.0	438.7	22.7	0.0
31°	2342.0	2329.9	2285.1	2203.5	2041.7	1768.9	1401.0	1035.9	399.9	20.1	0.0
32°	2346.7	2336.6	2294.5	2212.9	2041.7	1756.8	1370.3	988.4	361.8	16.7	0.0
33°	2344.6	2334.6	2291.8	2206.2	2023.6	1728.1	1332.8	931.6	318.3	14.7	0.0
34°	2337.3	2325.3	2279.8	2184.8	1988.2	1679.2	1278.7	874.7	272.9	12.0	0.0
35°	2319.2	2308.5	2259.0	2144.7	1933.4	1605.0	1206.4	809.2	226.0	10.0	0.0
36°	2301.8	2285.8	2224.9	2095.2	1861.1	1528.8	1120.2	733.6	185.9	8.0	0.0
37°	2269.7	2247.0	2185.5	2023.6	1758.8	1421.1	1021.9	650.7	155.8	6.0	0.0
38°	2226.9	2196.2	2117.9	1940.7	1655.8	1320.1	929.6	575.8	131.1	4.0	0.0
39°	2160.7	2124.6	2018.3	1827.0	1536.8	1203.1	823.9	496.2	111.7	2.7	0.0
40°	2061.8	2027.7	1910.0	1691.9	1418.4	1074.0	715.6	406.6	95.0	1.3	0.0
42.5°	1716.7	1669.9	1533.5	1316.8	1048.6	772.4	473.5	226.0	62.9	0.0	0.0
45°	1277.3	1235.9	1102.1	904.8	698.8	472.8	253.5	133.1	38.8	0.0	0.0
47.5°	721.6	716.9	630.0	519.6	389.9	251.5	128.4	80.3	16.7	0.0	0.0
50°	387.9	363.8	313.6	238.1	162.5	109.7	69.6	44.1	3.3	0.0	0.0
52.5°	141.8	137.1	115.0	95.6	73.6	50.2	35.4	19.4	0.0	0.0	0.0
55°	18.7	17.4	18.1	19.4	20.1	17.4	11.4	4.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.3	1.3	1.3	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3



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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	0.7	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
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°	52.8	52.8	52.8	52.8
2.5°	40.8	31.4	26.8	26.1
5°	28.1	17.4	12.7	12.0
7.5°	19.4	8.7	6.0	5.4
10°	11.4	4.0	2.0	1.3
12.5°	6.7	0.7	0.0	0.0
15°	2.0	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°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)