

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: P1318383

Luminaire Tested: LDSQA3D13R409830DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409830DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

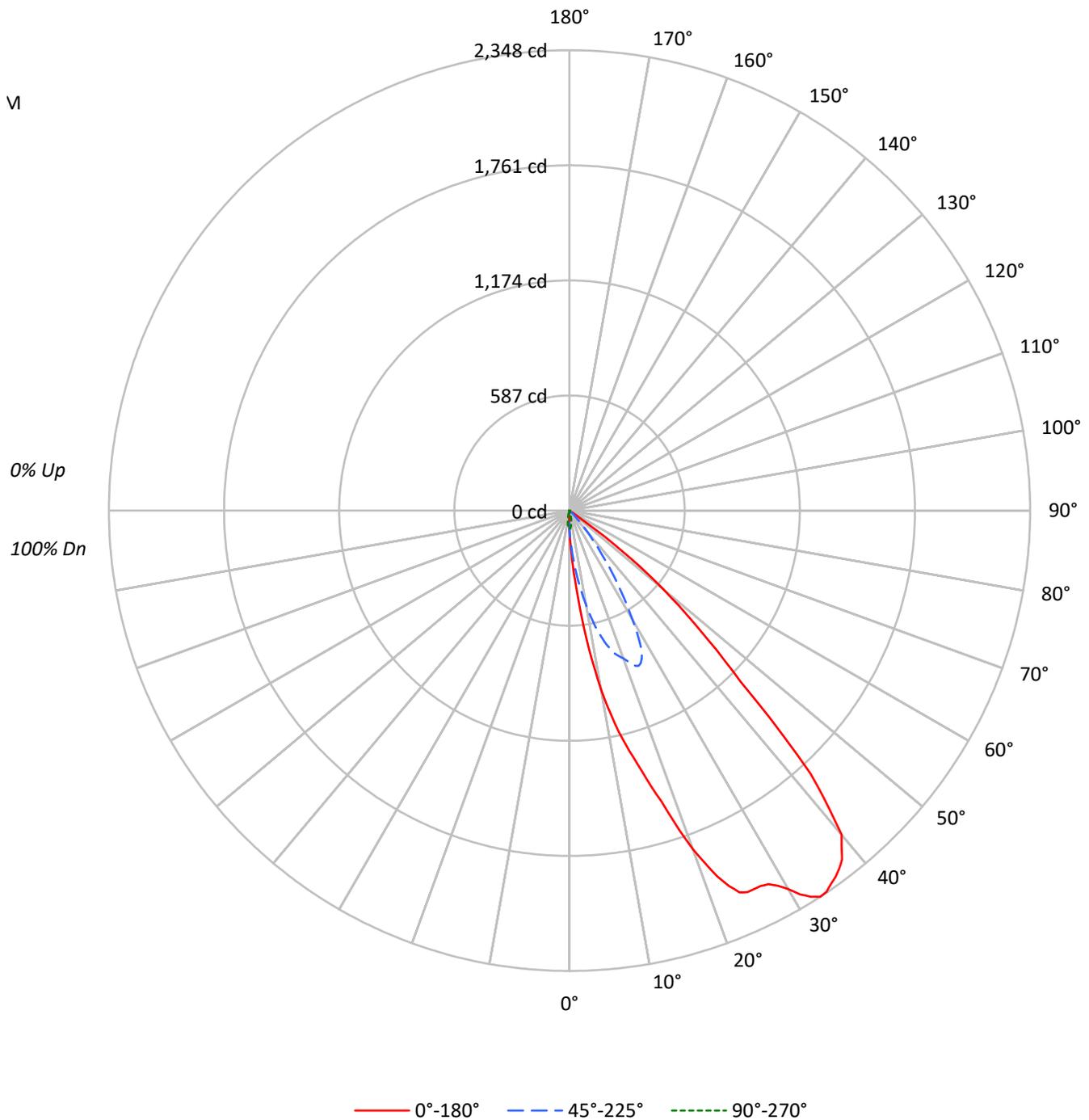
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 788.0 lumens  
Efficiency: N/A  
Efficacy: 54.3 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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





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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	15879	15879	15879	15879	15879
5°	67372	45917	13934	2507	1262
10°	161938	85411	8622	262	0
15°	238331	124078	3619	0	0
20°	336897	147097	1338	0	0
25°	408063	163271	0	0	0
30°	443053	127711	0	0	0
35°	488546	74763	0	0	0
40°	484893	30351	0	0	0
45°	300309	8841	0	0	0
50°	167216	188	0	0	0
55°	16334	0	0	0	0
60°	0	0	241	0	0
65°	0	0	285	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	0	0
85°	0	1383	2964	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 301722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.3	2.2
10°-20°	101.6	12.9
20°-30°	231.8	29.4
30°-40°	273.8	34.7
40°-50°	146.3	18.6
50°-60°	15.9	2.0
60°-70°	0.3	0.0
70°-80°	0.6	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°	350.7	44.5
0°-40°	624.5	79.2
0°-60°	786.6	99.8
0°-90°	788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	390	266	81	14	7	55
15°	1337	696	20	0	0	397
25°	2147	859	0	0	0	975
35°	2324	356	0	0	0	1435
45°	1233	36	0	0	0	1017
55°	54	0	0	0	0	153
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
2.5°	214.8	210.5	213.4	207.6	207.6	194.5	195.2	184.3	168.4	128.4	91.4
5°	389.7	407.1	393.3	375.2	365.0	352.0	334.5	316.4	265.6	160.4	80.6
7.5°	652.4	651.0	627.7	608.1	585.6	550.8	518.2	473.9	378.1	183.6	66.8
10°	926.0	920.9	894.8	878.1	835.3	785.2	718.4	647.3	488.4	191.6	49.3
12.5°	1153.9	1147.3	1125.6	1097.3	1050.1	987.0	915.1	821.5	604.5	182.9	31.9
15°	1336.7	1335.3	1314.2	1275.8	1226.4	1164.8	1083.5	971.0	695.9	160.4	20.3
17.5°	1553.7	1562.4	1524.7	1483.3	1412.2	1325.9	1226.4	1098.0	763.4	132.8	13.1
20°	1838.2	1825.9	1791.0	1730.8	1662.6	1558.8	1418.0	1234.4	802.6	103.0	7.3
21°	1925.3	1920.2	1883.9	1828.0	1752.6	1647.3	1502.2	1304.1	820.8	92.2	5.8
22°	2013.8	2005.1	1976.8	1922.4	1851.3	1732.3	1572.6	1375.9	844.0	80.6	3.6
23°	2079.9	2076.2	2054.5	2000.8	1927.5	1812.1	1648.8	1442.7	860.0	69.7	2.2
24°	2130.7	2126.3	2104.5	2063.9	2000.8	1880.3	1725.7	1514.5	866.5	60.2	0.7
25°	2147.4	2149.5	2136.5	2104.5	2051.6	1931.1	1783.1	1571.1	859.2	51.5	0.0
26°	2148.1	2154.6	2145.2	2127.0	2083.5	1971.7	1836.8	1604.5	840.4	43.5	0.0
27°	2148.1	2154.6	2145.2	2131.4	2088.6	1995.0	1865.8	1608.2	811.3	37.0	0.0
28°	2158.2	2161.9	2149.5	2132.8	2086.4	2002.2	1873.8	1586.4	764.9	31.9	0.0
29°	2186.5	2182.9	2162.6	2140.1	2084.2	2002.2	1849.8	1545.0	706.8	26.9	0.0
30°	2227.9	2227.9	2196.0	2160.4	2094.4	2001.5	1811.4	1470.3	642.2	21.8	0.0
31°	2283.8	2278.7	2246.8	2193.8	2116.2	2001.5	1754.8	1387.5	582.7	18.9	0.0
32°	2321.5	2318.6	2288.1	2225.7	2151.7	2001.5	1693.8	1296.1	518.2	15.2	0.0
33°	2347.7	2341.8	2307.0	2242.4	2173.5	1991.3	1625.6	1198.1	460.1	12.3	0.0
34°	2344.0	2342.6	2306.3	2239.5	2169.1	1949.2	1546.5	1089.3	406.4	10.2	0.0
35°	2323.7	2323.7	2279.4	2210.5	2137.9	1887.6	1468.1	996.4	355.6	7.3	0.0
36°	2308.5	2302.7	2252.6	2175.7	2085.7	1790.3	1352.0	902.8	301.2	5.8	0.0
37°	2286.0	2275.1	2219.2	2136.5	2011.6	1685.1	1230.1	819.3	254.7	3.6	0.0
38°	2256.9	2240.2	2172.0	2090.8	1930.4	1563.9	1106.0	725.7	211.9	2.2	0.0
39°	2204.0	2190.2	2119.8	2032.0	1833.1	1436.2	985.5	637.9	171.3	0.7	0.0
40°	2156.8	2132.8	2053.0	1952.1	1719.2	1291.8	865.8	551.5	135.0	0.0	0.0
42.5°	1818.6	1793.2	1775.1	1674.9	1369.4	927.4	604.5	353.4	70.4	0.0	0.0
45°	1233.0	1238.8	1182.2	1114.7	903.5	604.5	378.1	196.7	36.3	0.0	0.0
47.5°	899.1	883.9	807.0	679.3	529.8	353.4	197.4	95.1	14.5	0.0	0.0
50°	624.1	595.1	525.4	429.6	288.1	168.4	87.1	44.3	0.7	0.0	0.0
52.5°	338.9	318.6	270.0	195.9	119.7	64.6	34.8	18.1	0.0	0.0	0.0
55°	54.4	37.7	39.2	33.4	26.1	18.9	10.9	2.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	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	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5



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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	0.7	0.7	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
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°	92.2	92.2	92.2	92.2
2.5°	61.7	42.1	31.9	27.6
5°	35.6	14.5	8.0	7.3
7.5°	17.4	5.1	2.9	2.9
10°	7.3	1.5	0.0	0.0
12.5°	2.2	0.0	0.0	0.0
15°	0.0	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)