

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: P1316435

Luminaire Tested: LDSQA3D09R359740DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316435  
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: LDSQA3D09R359740DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

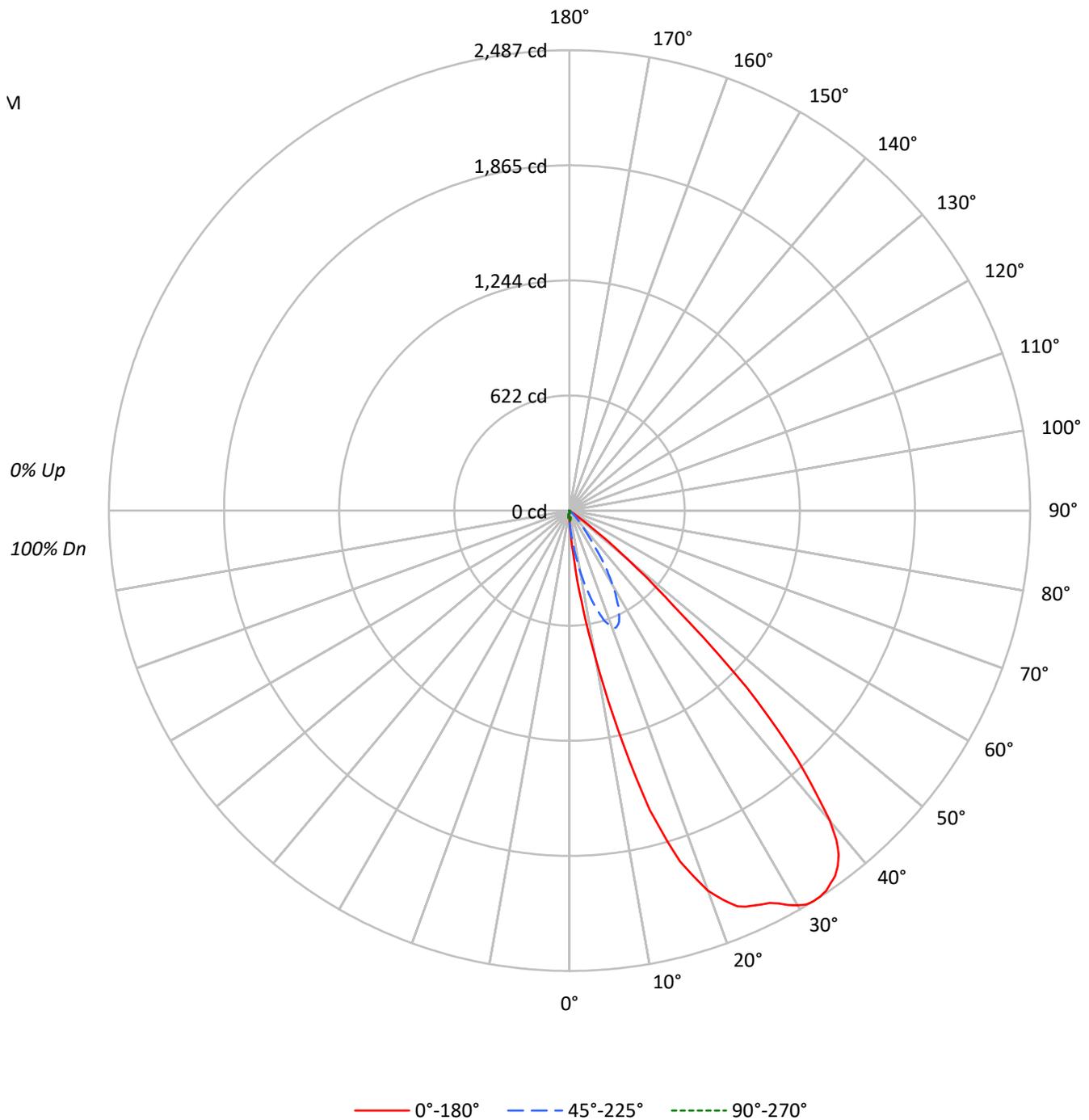
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	113	109	107	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	55	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°	9644	9644	9644	9644	9644
5°	41906	25984	8938	3181	2213
10°	141058	58637	6698	752	245
15°	298507	96174	4172	0	0
20°	400255	122886	1943	0	0
25°	447323	120686	399	0	0
30°	489687	92472	0	0	0
35°	516824	50375	0	0	0
40°	491301	22639	0	0	0
45°	329731	10010	0	0	0
50°	110146	938	0	0	0
55°	5945	0	0	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	932	0	0
80°	0	694	1389	0	0
85°	0	1383	2766	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 329731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	1.6
10°-20°	103.1	13.9
20°-30°	226.2	30.4
30°-40°	261.6	35.2
40°-50°	129.1	17.4
50°-60°	9.6	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°	341.3	45.9
0°-40°	602.9	81.2
0°-60°	741.6	99.8
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	242	150	52	18	13	42
15°	1674	539	23	0	0	472
25°	2354	635	2	0	0	1088
35°	2458	240	0	0	0	1518
45°	1354	41	0	0	0	994
55°	20	0	0	0	0	81
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°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2.5°	111.3	114.1	112.7	112.7	112.0	108.4	102.1	99.9	92.1	73.0	56.7
5°	242.4	243.1	241.0	230.4	221.2	212.6	194.2	185.7	150.3	89.3	51.7
7.5°	491.9	481.3	467.8	452.9	420.3	390.6	351.6	310.5	232.5	103.5	46.1
10°	806.6	791.8	780.4	745.0	686.1	625.2	550.8	483.4	335.3	113.4	38.3
12.5°	1212.8	1204.3	1163.9	1093.0	1005.8	917.9	788.2	681.2	438.8	115.5	31.2
15°	1674.2	1660.1	1598.4	1497.7	1379.4	1241.1	1067.5	887.4	539.4	109.2	23.4
17.5°	1989.7	1981.9	1928.7	1823.1	1687.0	1511.2	1305.6	1081.0	622.3	95.7	16.3
20°	2183.9	2172.5	2122.9	2033.6	1891.1	1707.6	1463.7	1204.3	670.5	78.7	10.6
21°	2234.2	2222.9	2183.2	2090.3	1954.2	1757.2	1507.0	1234.1	679.8	70.9	8.5
22°	2281.7	2270.4	2228.5	2146.3	2011.6	1806.1	1541.0	1256.7	678.3	64.5	6.4
23°	2321.4	2309.3	2268.2	2192.4	2057.0	1849.3	1566.5	1268.1	669.1	58.1	5.0
24°	2341.9	2334.9	2298.0	2226.4	2093.9	1879.8	1584.2	1272.3	657.8	51.7	3.5
25°	2354.0	2345.5	2309.3	2243.4	2118.0	1903.9	1595.6	1268.8	635.1	46.1	2.1
26°	2366.8	2354.0	2312.9	2249.1	2130.7	1915.2	1596.3	1259.6	611.0	41.1	0.7
27°	2378.1	2366.0	2323.5	2253.3	2132.8	1911.7	1590.6	1241.9	581.9	36.1	0.7
28°	2402.9	2389.4	2340.5	2262.6	2135.0	1902.5	1572.9	1217.8	543.7	31.9	0.0
29°	2435.5	2421.3	2365.3	2284.5	2139.9	1892.6	1548.8	1185.9	510.4	28.4	0.0
30°	2462.4	2449.7	2397.9	2312.2	2152.7	1883.3	1520.4	1142.6	465.0	24.1	0.0
31°	2482.3	2469.5	2422.0	2335.6	2164.0	1874.8	1485.0	1098.0	423.9	21.3	0.0
32°	2487.3	2476.6	2432.0	2345.5	2164.0	1862.1	1452.4	1047.6	383.5	17.7	0.0
33°	2485.1	2474.5	2429.1	2338.4	2144.9	1831.6	1412.7	987.4	337.4	15.6	0.0
34°	2477.3	2464.6	2416.4	2315.7	2107.3	1779.9	1355.3	927.1	289.2	12.8	0.0
35°	2458.2	2446.9	2394.4	2273.2	2049.2	1701.2	1278.7	857.7	239.6	10.6	0.0
36°	2439.8	2422.8	2358.2	2220.7	1972.7	1620.4	1187.3	777.6	197.1	8.5	0.0
37°	2405.7	2381.6	2316.4	2144.9	1864.2	1506.2	1083.1	689.7	165.2	6.4	0.0
38°	2360.4	2327.8	2244.8	2057.0	1755.0	1399.2	985.3	610.3	138.9	4.3	0.0
39°	2290.2	2251.9	2139.2	1936.5	1628.9	1275.2	873.3	525.9	118.4	2.8	0.0
40°	2185.3	2149.1	2024.4	1793.3	1503.4	1138.4	758.4	431.0	100.7	1.4	0.0
42.5°	1819.5	1769.9	1625.3	1395.7	1111.4	818.7	501.8	239.6	66.6	0.0	0.0
45°	1353.8	1309.9	1168.1	959.0	740.7	501.1	268.6	141.1	41.1	0.0	0.0
47.5°	764.8	759.9	667.7	550.8	413.2	266.5	136.1	85.1	17.7	0.0	0.0
50°	411.1	385.6	332.4	252.3	172.2	116.2	73.7	46.8	3.5	0.0	0.0
52.5°	150.3	145.3	121.9	101.4	78.0	53.2	37.6	20.6	0.0	0.0	0.0
55°	19.8	18.4	19.1	20.6	21.3	18.4	12.0	4.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.4	1.4	1.4	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	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4



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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	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316435  
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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	56.0	56.0	56.0	56.0
2.5°	43.2	33.3	28.4	27.6
5°	29.8	18.4	13.5	12.8
7.5°	20.6	9.2	6.4	5.7
10°	12.0	4.3	2.1	1.4
12.5°	7.1	0.7	0.0	0.0
15°	2.1	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)