

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: IRiS

Report Number: P1313595

Luminaire Tested: P3SQAS17R459730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

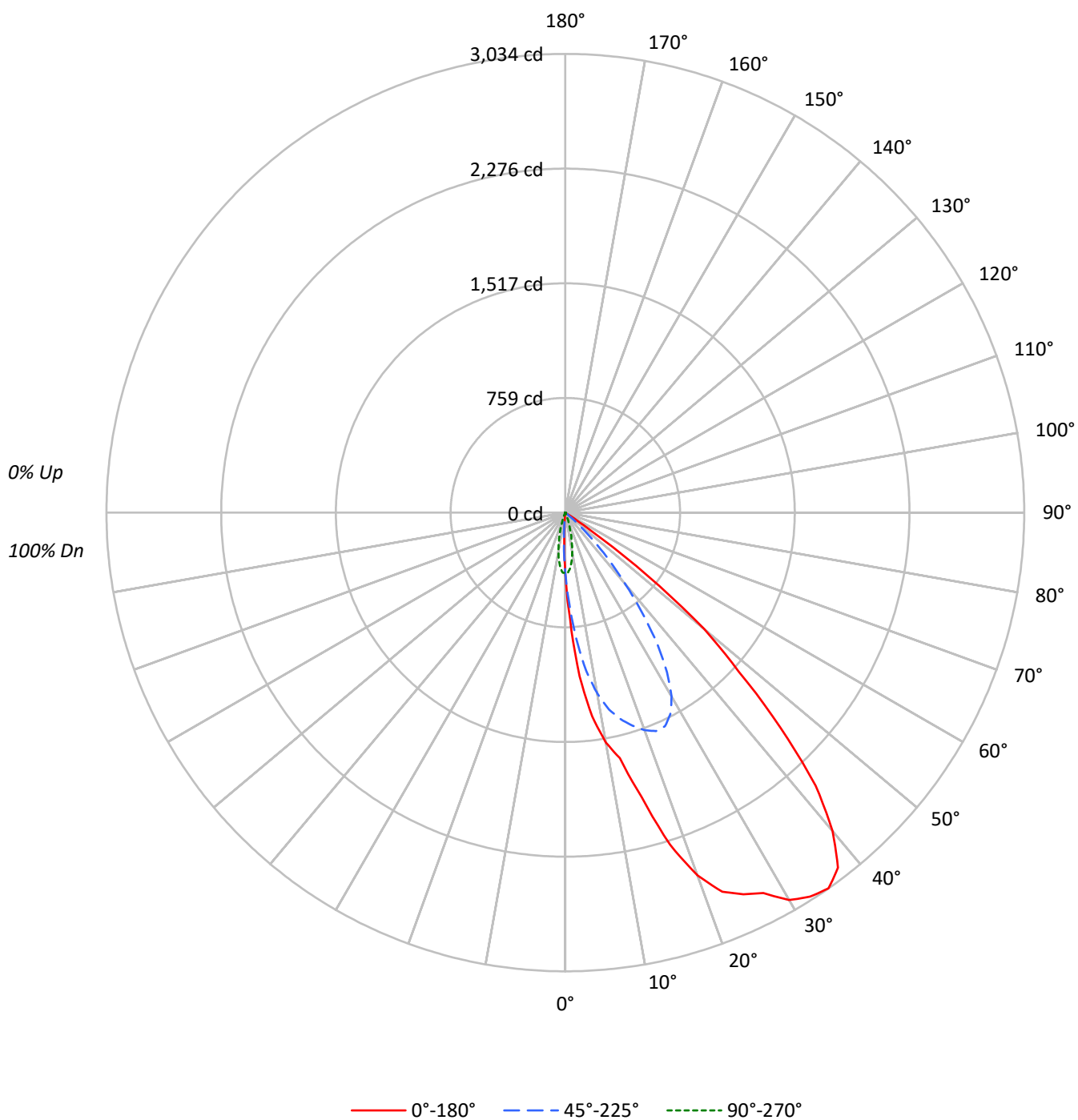
Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	68786	68786	68786	68786	68786
5°	187783	144476	63655	12776	4789
10°	269699	211954	46028	1207	1014
15°	347218	252131	24498	410	0
20°	467976	280521	9310	0	0
25°	529300	296347	2413	0	0
30°	588344	279366	239	0	0
35°	637799	222797	0	0	0
40°	618167	139883	0	0	0
45°	490042	66638	0	0	0
50°	320713	8359	0	0	0
55°	55098	0	0	0	0
60°	0	0	413	0	0
65°	0	489	489	0	0
70°	0	604	1158	0	0
75°	0	799	1530	0	0
80°	0	1190	2281	1190	0
85°	0	2371	4545	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 490042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	3.7
10°-20°	183.2	14.2
20°-30°	342.9	26.7
30°-40°	400.3	31.1
40°-50°	261.1	20.3
50°-60°	48.5	3.8
60°-70°	0.5	0.0
70°-80°	1.0	0.1
80°-90°	1.1	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°	573.7	44.6
0°-40°	974.0	75.7
0°-60°	1283.5	99.8
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	399	399	399	399	399	
5°	1086	836	368	74	28	116
15°	1947	1414	137	2	0	580
25°	2785	1560	13	0	0	1288
35°	3034	1060	0	0	0	1861
45°	2012	274	0	0	0	1530
55°	184	0	0	0	0	319
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	399.4	399.4	399.4	399.4	399.4	399.4	399.4	399.4	399.4	399.4	399.4
2.5°	704.1	709.9	698.4	693.8	678.7	682.2	656.8	646.4	630.3	603.7	591.0
5°	1086.2	1075.8	1066.6	1047.0	1035.4	1004.3	969.6	930.4	883.1	835.7	781.5
7.5°	1358.6	1350.6	1347.1	1330.9	1307.9	1275.5	1230.5	1180.9	1119.7	1056.2	974.3
10°	1542.2	1534.1	1520.2	1504.1	1485.6	1459.1	1415.2	1361.0	1294.0	1212.0	1116.2
12.5°	1662.2	1661.1	1638.0	1619.5	1596.4	1573.3	1528.3	1484.5	1418.7	1334.4	1225.9
15°	1947.4	1928.9	1898.9	1846.9	1782.3	1722.3	1649.5	1580.3	1508.7	1414.1	1292.8
17.5°	2302.9	2282.1	2231.3	2165.5	2061.6	1947.4	1822.7	1713.0	1605.7	1477.5	1334.4
20°	2553.4	2545.3	2502.6	2426.4	2315.6	2164.4	2000.5	1845.8	1694.6	1530.6	1354.0
22.5°	2713.8	2709.2	2691.9	2639.9	2526.8	2357.1	2145.9	1938.1	1755.7	1564.1	1348.3
25°	2785.4	2791.2	2793.5	2768.1	2676.9	2503.7	2253.2	2008.5	1790.4	1559.5	1304.4
27.5°	2836.2	2836.2	2845.4	2833.9	2741.5	2559.1	2294.8	2032.8	1778.8	1502.9	1212.0
30°	2958.5	2956.2	2962.0	2930.8	2802.7	2576.5	2276.3	1993.5	1713.0	1404.8	1079.3
32.5°	3011.6	3013.9	3012.8	2963.2	2814.3	2564.9	2231.3	1918.5	1591.8	1251.3	903.8
35°	3033.6	3023.2	2980.5	2867.4	2679.2	2411.4	2104.3	1791.5	1422.1	1059.7	713.4
37.5°	2960.9	2930.8	2836.2	2681.5	2451.8	2194.4	1894.3	1564.1	1197.0	831.1	536.8
40°	2749.6	2710.4	2591.5	2404.5	2194.4	1962.4	1646.1	1297.5	936.2	622.2	376.3
42.5°	2450.6	2405.6	2277.5	2114.7	1923.1	1679.5	1364.4	1015.8	685.7	429.4	238.9
45°	2012.0	1986.6	1912.7	1775.4	1587.2	1334.4	1045.8	741.1	474.4	273.6	122.4
47.5°	1556.0	1523.7	1470.6	1376.0	1219.0	978.9	731.8	503.3	304.7	135.1	25.4
50°	1197.0	1158.9	1094.3	989.3	825.3	653.3	474.4	314.0	154.7	31.2	1.2
52.5°	689.1	697.2	666.0	599.1	507.9	391.3	274.7	158.1	34.6	1.2	0.0
55°	183.5	198.5	193.9	208.9	183.5	154.7	114.3	30.0	2.3	0.0	0.0
57.5°	0.0	0.0	1.2	2.3	6.9	10.4	3.5	1.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	399.4	399.4	399.4	399.4	399.4	399.4	399.4	399.4
2.5°	562.2	537.9	507.9	397.1	299.0	214.7	167.4	154.7
5°	729.5	670.7	594.5	368.2	184.7	73.9	33.5	27.7
7.5°	887.7	801.1	663.7	322.1	93.5	18.5	9.2	8.1
10°	1010.0	893.4	714.5	263.2	34.6	6.9	5.8	5.8
12.5°	1094.3	952.3	733.0	199.7	12.7	3.5	3.5	2.3
15°	1142.8	975.4	715.7	137.4	4.6	2.3	0.0	0.0
17.5°	1157.8	966.2	669.5	86.6	1.2	0.0	0.0	0.0
20°	1145.1	921.2	596.8	50.8	0.0	0.0	0.0	0.0
22.5°	1103.5	850.7	509.1	27.7	0.0	0.0	0.0	0.0
25°	1026.2	751.5	406.3	12.7	0.0	0.0	0.0	0.0
27.5°	900.4	623.3	305.9	4.6	0.0	0.0	0.0	0.0
30°	757.2	486.0	217.0	1.2	0.0	0.0	0.0	0.0
32.5°	591.0	357.8	139.7	0.0	0.0	0.0	0.0	0.0
35°	444.4	250.5	83.1	0.0	0.0	0.0	0.0	0.0
37.5°	309.4	158.1	43.9	0.0	0.0	0.0	0.0	0.0
40°	192.8	85.4	15.0	0.0	0.0	0.0	0.0	0.0
42.5°	107.4	30.0	1.2	0.0	0.0	0.0	0.0	0.0
45°	25.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
60°	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	1.2	2.3	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	2.3	2.3	1.2	0.0	0.0	0.0
75°	1.2	1.2	2.3	2.3	1.2	0.0	0.0	0.0
77.5°	1.2	2.3	2.3	2.3	1.2	1.2	0.0	0.0
80°	1.2	2.3	2.3	2.3	2.3	1.2	0.0	0.0
82.5°	1.2	2.3	2.3	2.3	2.3	1.2	0.0	0.0
85°	1.2	2.3	2.3	2.3	1.2	1.2	0.0	0.0
87.5°	1.2	2.3	2.3	2.3	2.3	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)