

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: P1308906

Luminaire Tested: P3SQAS09R159035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

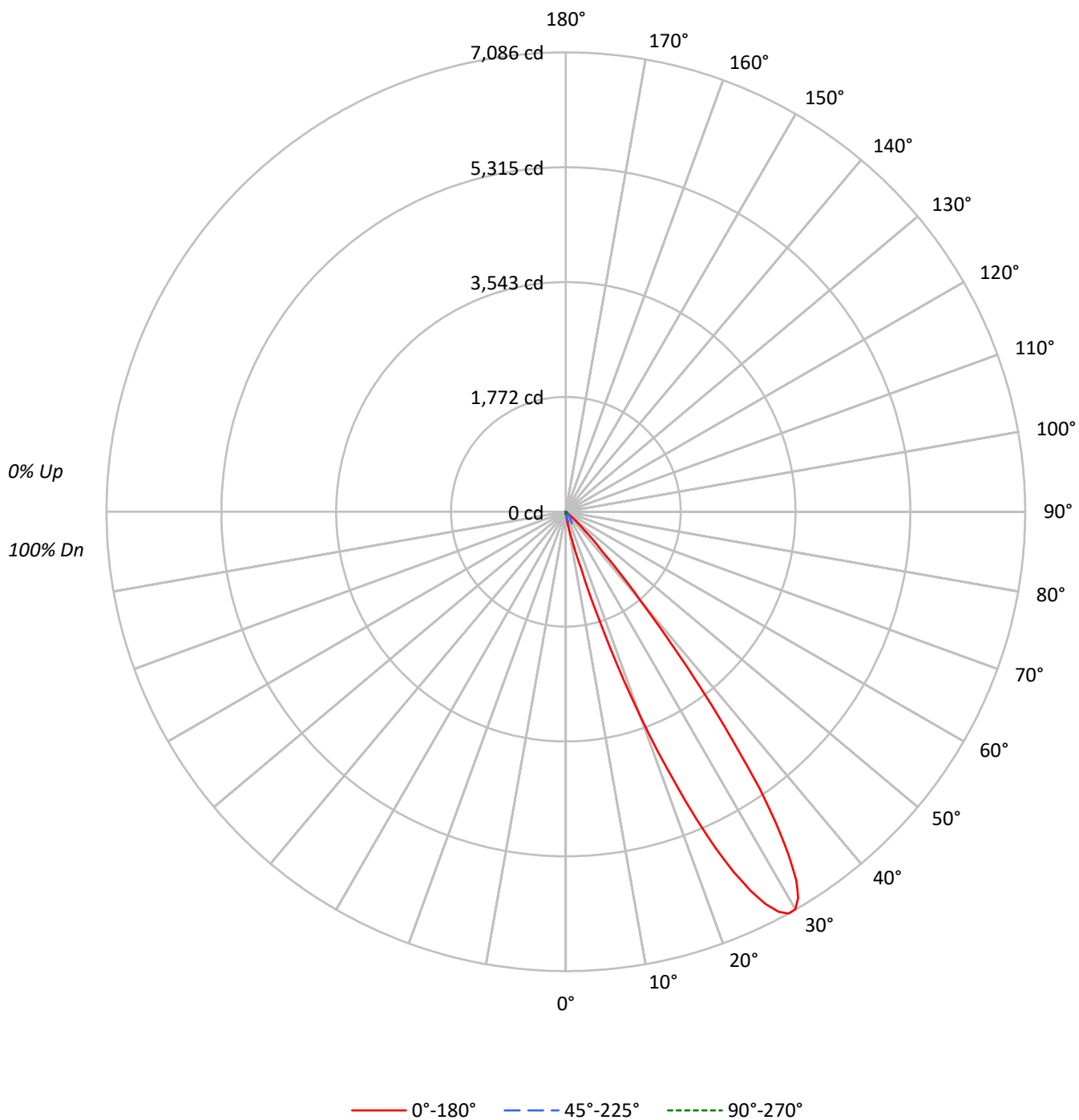
Lumens per Lamp: N/A
Luminaire Lumens: 774.1 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	70	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	63	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4409	4409	4409	4409	4409
5°	9508	7036	4166	2213	1815
10°	42128	13291	3288	927	665
15°	159345	30739	2282	410	267
20°	612818	43326	1375	147	147
25°	1165319	40628	722	0	0
30°	1407730	32793	298	0	0
35°	1097942	22328	168	0	0
40°	400653	10994	180	0	180
45°	102880	3312	195	0	365
50°	17362	402	214	214	616
55°	2252	0	450	691	1141
60°	276	276	792	1033	1550
65°	326	326	1223	1549	1834
70°	403	403	1511	1511	1913
75°	532	532	1996	1530	1996
80°	0	793	2281	1488	2281
85°	0	1581	4545	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 102880 cd/sqm

TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	59.3	7.7
20°-30°	329.0	42.5
30°-40°	317.8	41.1
40°-50°	55.3	7.1
50°-60°	4.0	0.5
60°-70°	2.3	0.3
70°-80°	1.9	0.2
80°-90°	1.0	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°	391.8	50.6
0°-40°	709.6	91.7
0°-60°	768.8	99.3
0°-90°	774.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	55	41	24	13	10	11
15°	894	172	13	2	2	398
25°	6132	214	4	0	0	2742
35°	5222	106	1	0	0	3003
45°	422	14	1	0	2	454
55°	8	0	2	2	4	15
65°	1	1	3	4	4	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	37.6	36.1	36.9	36.9	36.9	36.9	36.9	35.4	35.4	36.1	32.4
5°	55.0	55.0	54.2	55.0	55.0	54.2	52.7	52.0	52.0	50.4	40.7
7.5°	109.9	108.4	108.4	106.9	99.4	97.1	95.6	91.9	85.1	83.6	52.7
10°	240.9	241.7	236.4	229.6	228.9	217.6	213.8	207.0	194.3	181.5	76.0
12.5°	437.4	427.7	414.9	415.6	393.8	386.2	368.9	350.1	330.5	310.2	125.0
15°	893.7	865.8	882.4	841.8	795.8	743.9	691.2	624.9	568.4	508.2	172.4
17.5°	1882.3	1909.4	1863.4	1689.5	1582.6	1456.9	1279.9	1109.0	963.0	845.5	210.8
20°	3343.7	3383.6	3227.7	3076.4	2816.6	2533.5	2238.4	1904.1	1584.1	1307.0	236.4
21°	3954.3	3930.2	3866.2	3623.7	3324.1	2995.8	2634.4	2265.5	1877.8	1517.9	238.7
22°	4544.5	4555.8	4406.8	4153.0	3841.3	3477.7	3036.5	2581.0	2163.1	1689.5	234.9
23°	5132.6	5168.7	4971.4	4733.5	4341.3	3930.9	3420.5	2928.8	2412.3	1886.0	227.4
24°	5676.9	5652.1	5518.8	5219.2	4799.8	4319.4	3789.4	3193.1	2617.1	2053.9	221.4
25°	6132.4	6129.4	5920.1	5628.7	5149.1	4616.8	4032.6	3409.2	2792.5	2167.6	213.8
26°	6505.1	6444.1	6279.2	5923.9	5450.3	4888.6	4232.1	3566.5	2891.2	2224.8	206.3
27°	6792.7	6749.1	6527.7	6158.0	5663.4	5042.2	4360.1	3644.8	2936.3	2243.7	196.5
28°	6986.2	6938.8	6703.1	6322.2	5780.8	5138.6	4427.8	3678.0	2936.3	2225.6	187.5
29°	7086.4	7021.6	6786.7	6378.6	5807.9	5149.9	4411.3	3645.6	2890.4	2169.9	176.9
30°	7078.8	6998.3	6752.1	6327.4	5727.4	5057.3	4318.7	3528.9	2786.5	2087.1	164.9
31°	6956.9	6866.5	6591.7	6154.3	5561.0	4882.6	4144.0	3372.3	2644.2	1979.4	152.8
32°	6709.2	6594.7	6326.7	5890.7	5305.0	4621.3	3890.3	3130.6	2431.1	1822.0	140.0
33°	6305.6	6190.4	5902.8	5494.0	4958.6	4290.1	3553.7	2870.8	2188.7	1634.6	129.5
34°	5800.4	5695.0	5447.3	5035.4	4522.0	3870.7	3166.7	2511.7	1937.2	1448.6	118.2
35°	5222.2	5054.3	4829.9	4503.9	4003.2	3348.2	2748.9	2177.4	1678.2	1253.6	106.2
36°	4439.9	4470.0	4232.1	3833.1	3418.2	2904.7	2329.5	1815.3	1403.4	1068.4	95.6
37°	3746.5	3699.0	3547.7	3239.0	2877.6	2367.9	1952.3	1538.9	1180.6	903.5	84.3
38°	3022.2	3032.7	2884.4	2647.2	2288.8	1947.0	1571.3	1264.1	987.8	768.7	73.8
39°	2365.6	2357.4	2317.4	2097.6	1773.1	1548.7	1273.2	1048.0	822.9	648.3	62.5
40°	1782.1	1795.7	1702.3	1569.8	1380.8	1196.4	1014.2	835.7	680.6	546.6	48.9
42.5°	866.6	887.7	825.9	792.1	708.5	636.2	536.8	438.2	372.7	322.2	21.8
45°	422.4	410.3	405.1	388.5	368.9	329.8	292.1	250.7	219.1	189.0	13.6
47.5°	216.1	210.1	210.1	203.3	196.5	183.7	164.9	151.3	136.3	117.5	5.3
50°	64.8	64.0	63.2	64.0	61.7	64.0	65.5	66.3	60.2	59.5	1.5
52.5°	25.6	26.4	25.6	27.9	27.9	27.1	27.9	27.1	26.4	23.3	0.0
55°	7.5	7.5	7.5	7.5	7.5	7.5	8.3	9.0	8.3	9.0	0.0
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8



TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	30.1	26.4	21.8	18.1	16.6	15.8
5°	32.4	24.1	16.6	12.8	11.3	10.5
7.5°	34.6	21.8	12.8	9.0	6.8	6.0
10°	36.1	18.8	9.8	5.3	3.8	3.8
12.5°	36.1	15.1	6.8	3.0	2.3	2.3
15°	35.4	12.8	4.5	2.3	1.5	1.5
17.5°	34.6	9.8	3.0	1.5	0.8	1.5
20°	32.4	7.5	1.5	0.8	0.8	0.8
21°	31.6	6.8	1.5	0.8	0.8	0.8
22°	30.1	6.0	0.8	0.0	0.8	0.8
23°	28.6	4.5	0.8	0.0	0.0	0.0
24°	26.4	3.8	0.8	0.0	0.0	0.0
25°	24.8	3.8	0.8	0.0	0.0	0.0
26°	23.3	2.3	0.0	0.0	0.0	0.0
27°	21.1	1.5	0.0	0.0	0.0	0.0
28°	19.6	1.5	0.0	0.0	0.0	0.0
29°	17.3	1.5	0.0	0.0	0.0	0.0
30°	15.1	1.5	0.0	0.0	0.0	0.0
31°	12.0	0.8	0.0	0.0	0.0	0.0
32°	9.8	0.8	0.0	0.0	0.0	0.0
33°	6.8	0.8	0.0	0.0	0.0	0.0
34°	4.5	0.8	0.0	0.0	0.0	0.0
35°	3.8	0.8	0.0	0.0	0.0	0.0
36°	2.3	0.8	0.0	0.0	0.0	0.8
37°	2.3	0.8	0.0	0.0	0.0	0.8
38°	1.5	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.5
45°	0.0	0.8	0.0	0.0	0.8	1.5
47.5°	0.0	0.8	0.0	0.0	1.5	1.5
50°	0.0	0.8	0.8	0.8	1.5	2.3
52.5°	0.0	1.5	0.8	1.5	2.3	3.0
55°	0.8	1.5	1.5	2.3	3.0	3.8
57.5°	0.8	2.3	2.3	3.0	3.8	3.8
60°	1.5	2.3	3.0	3.0	4.5	4.5
62.5°	1.5	3.0	3.0	3.0	4.5	4.5
65°	1.5	3.0	3.0	3.8	4.5	4.5
67.5°	1.5	3.0	3.0	3.0	3.8	4.5
70°	1.5	3.0	2.3	3.0	3.8	3.8
72.5°	1.5	3.0	2.3	2.3	3.0	3.8
75°	1.5	3.0	2.3	2.3	3.0	3.0
77.5°	1.5	2.3	2.3	1.5	2.3	2.3
80°	1.5	2.3	1.5	1.5	2.3	2.3



TEST NUMBER: P1308906

CATALOG NUMBER: P3SQAS09R159035DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.5	2.3	1.5	0.8	1.5	1.5
85°	1.5	2.3	1.5	0.8	0.8	0.8
87.5°	1.5	2.3	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)