

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: P1313505

Luminaire Tested: P3SQAS17R159730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313505
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: P3SQAS17R159730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

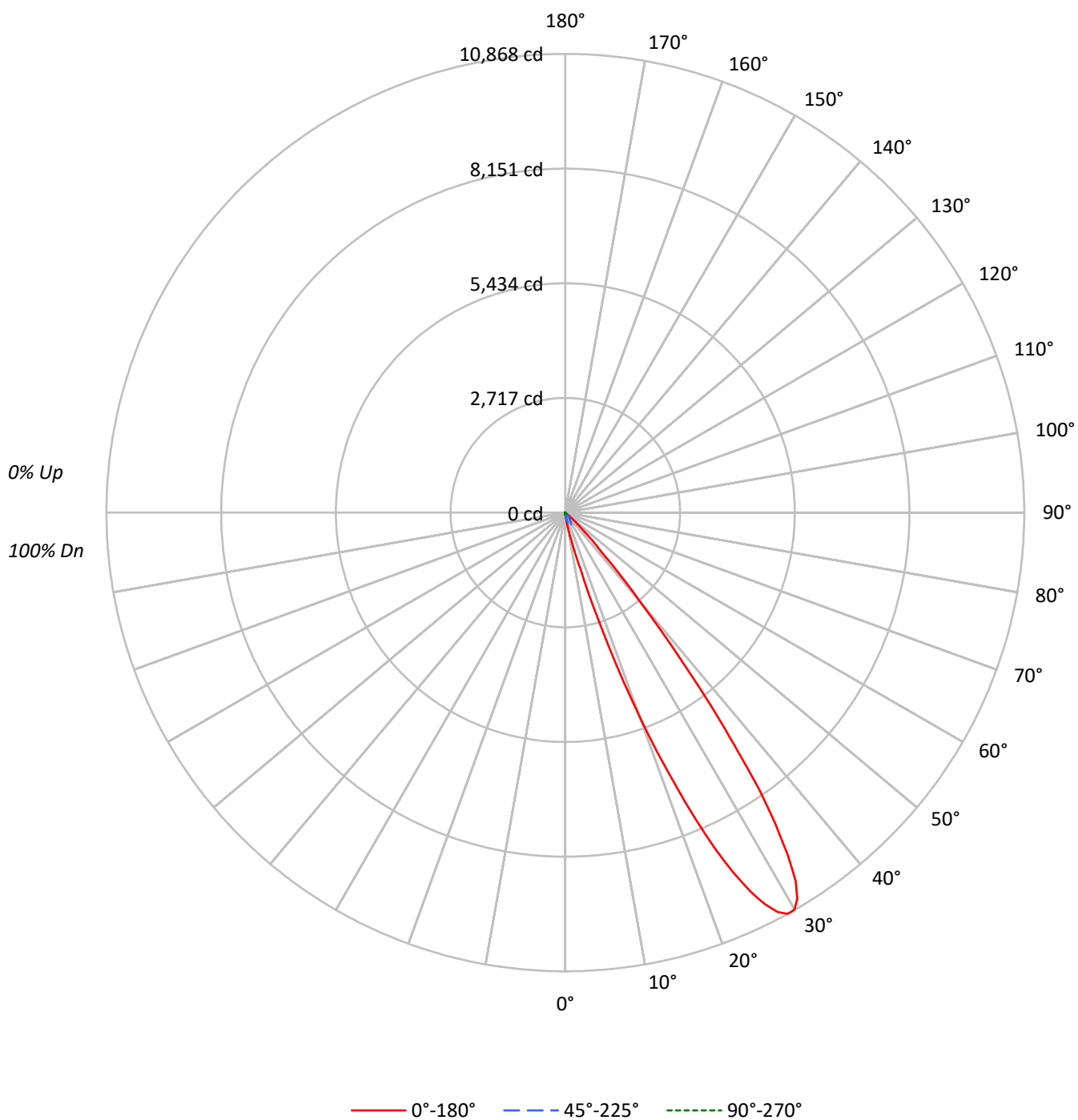
Lumens per Lamp: N/A
Luminaire Lumens: 1187.1 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6768	6768	6768	6768	6768
5°	14574	10788	6379	3388	2801
10°	64618	20391	5054	1417	1014
15°	244375	47142	3495	624	410
20°	939800	66456	2108	220	220
25°	1787125	62310	1102	0	0
30°	2158885	50293	457	0	0
35°	1683789	34228	252	0	0
40°	614457	16884	270	0	270
45°	157778	5066	292	0	560
50°	26606	616	322	322	938
55°	3453	0	691	1051	1742
60°	413	413	1206	1584	2377
65°	489	489	1875	2364	2812
70°	604	604	2316	2316	2921
75°	799	799	3061	2329	3061
80°	0	1190	3471	2281	3471
85°	0	2371	6916	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 157778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.5
10°-20°	90.9	7.7
20°-30°	504.5	42.5
30°-40°	487.4	41.1
40°-50°	84.8	7.1
50°-60°	6.1	0.5
60°-70°	3.6	0.3
70°-80°	2.9	0.2
80°-90°	1.5	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°	600.8	50.6
0°-40°	1088.2	91.7
0°-60°	1179.1	99.3
0°-90°	1187.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1187.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	84	62	37	20	16	17
15°	1371	264	20	4	2	611
25°	9405	328	6	0	0	4205
35°	8009	163	1	0	0	4606
45°	648	21	1	0	2	696
55°	12	0	2	4	6	22
65°	1	1	5	6	7	1
75°	1	1	5	4	5	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
2.5°	57.7	55.4	56.6	56.6	56.6	56.6	56.6	54.3	54.3	55.4	49.7
5°	84.3	84.3	83.1	84.3	84.3	83.1	80.8	79.7	79.7	77.4	62.4
7.5°	168.6	166.3	166.3	164.0	152.4	149.0	146.6	140.9	130.5	128.2	80.8
10°	369.5	370.6	362.6	352.2	351.0	333.7	327.9	317.5	297.9	278.3	116.6
12.5°	670.9	655.8	636.2	637.4	603.9	592.3	565.8	536.9	506.9	475.7	191.7
15°	1370.6	1327.9	1353.3	1290.9	1220.5	1140.8	1060.0	958.4	871.8	779.4	264.4
17.5°	2886.6	2928.2	2857.8	2591.0	2427.1	2234.3	1962.9	1700.8	1476.8	1296.7	323.3
20°	5127.8	5189.0	4950.0	4717.9	4319.6	3885.4	3432.8	2920.1	2429.4	2004.5	362.6
21°	6064.2	6027.3	5929.1	5557.3	5097.8	4594.4	4040.1	3474.3	2879.7	2327.8	366.0
22°	6969.5	6986.8	6758.2	6369.1	5891.0	5333.3	4656.7	3958.1	3317.3	2591.0	360.3
23°	7871.3	7926.7	7624.2	7259.3	6657.7	6028.4	5245.6	4491.6	3699.5	2892.4	348.7
24°	8706.1	8668.0	8463.6	8004.1	7360.9	6624.2	5811.4	4896.9	4013.6	3149.9	339.5
25°	9404.6	9400.0	9079.0	8632.2	7896.7	7080.3	6184.3	5228.3	4282.6	3324.2	327.9
26°	9976.2	9882.7	9629.8	9084.8	8358.5	7497.2	6490.3	5469.6	4433.9	3412.0	316.4
27°	10417.3	10350.3	10010.8	9443.9	8685.3	7732.7	6686.6	5589.7	4503.1	3440.9	301.4
28°	10714.0	10641.3	10279.9	9695.6	8865.4	7880.5	6790.5	5640.5	4503.1	3413.2	287.5
29°	10867.6	10768.3	10408.0	9782.2	8907.0	7897.8	6765.1	5590.8	4432.7	3327.7	271.3
30°	10856.0	10732.5	10354.9	9703.7	8783.4	7755.8	6623.1	5411.9	4273.4	3200.7	252.9
31°	10669.0	10530.4	10109.0	9438.1	8528.3	7487.9	6355.2	5171.7	4055.1	3035.6	234.4
32°	10289.1	10113.6	9702.5	9034.0	8135.7	7087.3	5966.1	4801.0	3728.4	2794.3	214.8
33°	9670.2	9493.6	9052.5	8425.5	7604.5	6579.2	5450.0	4402.7	3356.6	2506.8	198.6
34°	8895.4	8733.8	8353.9	7722.3	6934.8	5936.1	4856.5	3851.9	2970.9	2221.6	181.3
35°	8008.7	7751.2	7407.1	6907.1	6139.3	5134.7	4215.6	3339.3	2573.7	1922.5	162.8
36°	6809.0	6855.2	6490.3	5878.3	5242.1	4454.6	3572.5	2783.9	2152.3	1638.5	146.6
37°	5745.6	5672.8	5440.7	4967.3	4413.1	3631.4	2994.0	2360.1	1810.5	1385.6	129.3
38°	4634.8	4650.9	4423.5	4059.8	3510.1	2985.9	2409.8	1938.7	1514.9	1178.9	113.2
39°	3627.9	3615.2	3554.0	3216.9	2719.2	2375.1	1952.5	1607.3	1262.0	994.2	95.8
40°	2733.1	2753.8	2610.7	2407.5	2117.6	1834.7	1555.3	1281.7	1043.8	838.3	75.1
42.5°	1329.0	1361.3	1266.7	1214.7	1086.5	975.7	823.3	672.0	571.6	494.2	33.5
45°	647.8	629.3	621.2	595.8	565.8	505.7	448.0	384.5	336.0	289.8	20.8
47.5°	331.4	322.1	322.1	311.8	301.4	281.7	252.9	232.1	209.0	180.1	8.1
50°	99.3	98.1	97.0	98.1	94.7	98.1	100.5	101.6	92.4	91.2	2.3
52.5°	39.3	40.4	39.3	42.7	42.7	41.6	42.7	41.6	40.4	35.8	0.0
55°	11.5	11.5	11.5	11.5	11.5	11.5	12.7	13.9	12.7	13.9	0.0
57.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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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	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	39.3	39.3	39.3	39.3	39.3	39.3
2.5°	46.2	40.4	33.5	27.7	25.4	24.2
5°	49.7	36.9	25.4	19.6	17.3	16.2
7.5°	53.1	33.5	19.6	13.9	10.4	9.2
10°	55.4	28.9	15.0	8.1	5.8	5.8
12.5°	55.4	23.1	10.4	4.6	3.5	3.5
15°	54.3	19.6	6.9	3.5	2.3	2.3
17.5°	53.1	15.0	4.6	2.3	1.2	2.3
20°	49.7	11.5	2.3	1.2	1.2	1.2
21°	48.5	10.4	2.3	1.2	1.2	1.2
22°	46.2	9.2	1.2	0.0	1.2	1.2
23°	43.9	6.9	1.2	0.0	0.0	0.0
24°	40.4	5.8	1.2	0.0	0.0	0.0
25°	38.1	5.8	1.2	0.0	0.0	0.0
26°	35.8	3.5	0.0	0.0	0.0	0.0
27°	32.3	2.3	0.0	0.0	0.0	0.0
28°	30.0	2.3	0.0	0.0	0.0	0.0
29°	26.6	2.3	0.0	0.0	0.0	0.0
30°	23.1	2.3	0.0	0.0	0.0	0.0
31°	18.5	1.2	0.0	0.0	0.0	0.0
32°	15.0	1.2	0.0	0.0	0.0	0.0
33°	10.4	1.2	0.0	0.0	0.0	0.0
34°	6.9	1.2	0.0	0.0	0.0	0.0
35°	5.8	1.2	0.0	0.0	0.0	0.0
36°	3.5	1.2	0.0	0.0	0.0	1.2
37°	3.5	1.2	0.0	0.0	0.0	1.2
38°	2.3	1.2	0.0	0.0	0.0	1.2
39°	1.2	1.2	0.0	0.0	0.0	1.2
40°	1.2	1.2	0.0	0.0	0.0	1.2
42.5°	0.0	1.2	0.0	0.0	1.2	2.3
45°	0.0	1.2	0.0	0.0	1.2	2.3
47.5°	0.0	1.2	0.0	0.0	2.3	2.3
50°	0.0	1.2	1.2	1.2	2.3	3.5
52.5°	0.0	2.3	1.2	2.3	3.5	4.6
55°	1.2	2.3	2.3	3.5	4.6	5.8
57.5°	1.2	3.5	3.5	4.6	5.8	5.8
60°	2.3	3.5	4.6	4.6	6.9	6.9
62.5°	2.3	4.6	4.6	4.6	6.9	6.9
65°	2.3	4.6	4.6	5.8	6.9	6.9
67.5°	2.3	4.6	4.6	4.6	5.8	6.9
70°	2.3	4.6	3.5	4.6	5.8	5.8
72.5°	2.3	4.6	3.5	3.5	4.6	5.8
75°	2.3	4.6	3.5	3.5	4.6	4.6
77.5°	2.3	3.5	3.5	2.3	3.5	3.5
80°	2.3	3.5	2.3	2.3	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.3	3.5	2.3	1.2	2.3	2.3
85°	2.3	3.5	2.3	1.2	1.2	1.2
87.5°	2.3	3.5	1.2	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)