

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: P1318136

Luminaire Tested: P3SQAS17R309835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

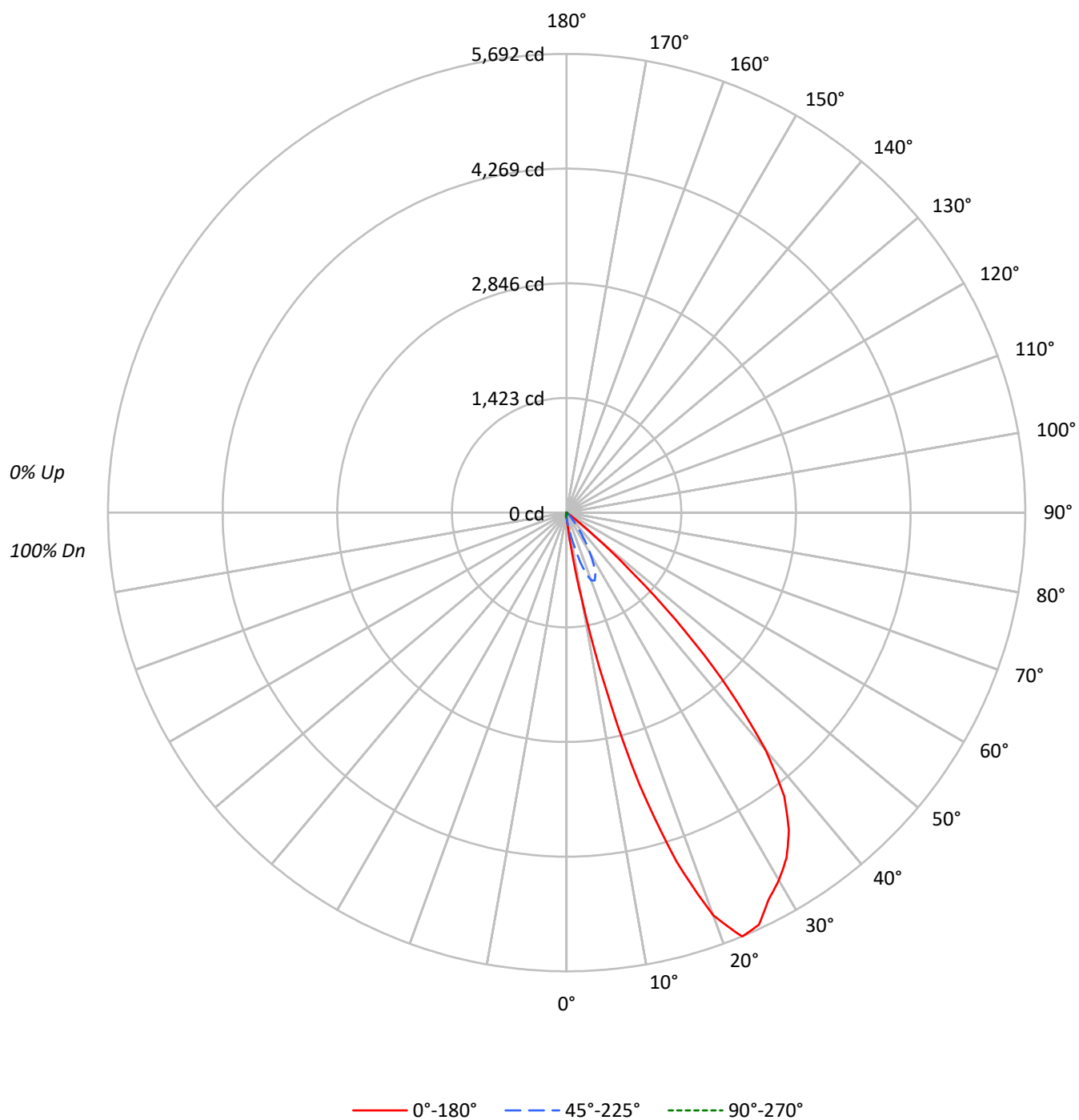
Lumens per Lamp: N/A
Luminaire Lumens: 1342.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10988	10988	10988	10988	10988
5°	33072	22042	10390	4668	3821
10°	191510	46745	8149	2151	1504
15°	622920	106034	5688	446	214
20°	974732	164068	3592	0	0
25°	1072377	160325	1862	0	0
30°	1047405	115601	736	0	0
35°	1010900	65744	252	0	0
40°	862097	27855	0	0	0
45°	505946	10449	292	0	292
50°	122873	1983	322	322	991
55°	10689	0	751	1111	1471
60°	413	0	861	1274	2101
65°	489	489	1508	1508	2486
70°	604	604	1863	1863	2467
75°	0	799	2462	2462	2462
80°	0	1190	3670	2479	2479
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 505946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.9
10°-20°	184.4	13.7
20°-30°	468.7	34.9
30°-40°	467.2	34.8
40°-50°	189.3	14.1
50°-60°	13.1	1.0
60°-70°	3.0	0.2
70°-80°	3.0	0.2
80°-90°	1.7	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°	664.9	49.5
0°-40°	1132.1	84.4
0°-60°	1334.4	99.4
0°-90°	1342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1342.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	191	128	60	27	22	44
15°	3494	595	32	2	1	1017
25°	5643	844	10	0	0	2548
35°	4808	313	1	0	0	2947
45°	2077	43	1	0	1	1585
55°	36	0	2	4	5	93
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
85°	0	1	4	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
2.5°	105.5	106.7	106.7	104.2	103.0	103.0	99.3	98.1	94.4	90.7	78.5
5°	191.3	187.6	182.7	182.7	171.7	165.5	157.0	147.2	139.8	127.5	90.7
7.5°	434.1	404.7	396.1	385.1	343.4	310.2	272.2	239.1	208.5	182.7	100.6
10°	1095.1	1037.4	989.6	892.7	771.3	654.8	546.9	421.8	336.0	267.3	107.9
12.5°	2206.1	2128.8	2036.9	1860.3	1633.4	1342.8	1085.3	810.6	569.0	393.6	110.4
15°	3493.7	3362.5	3219.0	2994.6	2623.0	2206.1	1741.3	1303.5	913.6	594.7	107.9
17.5°	4543.4	4491.9	4279.7	3973.1	3518.2	2981.1	2408.4	1810.0	1232.4	778.7	100.6
20°	5318.4	5282.8	5026.5	4700.3	4187.7	3572.2	2845.0	2126.4	1454.4	895.2	89.5
22.5°	5692.4	5686.3	5501.1	5167.5	4624.3	3926.6	3125.8	2309.1	1523.0	911.1	74.8
25°	5643.3	5665.4	5560.0	5312.2	4791.1	4072.5	3209.2	2309.1	1472.8	843.7	62.5
27.5°	5420.2	5434.9	5368.7	5178.6	4693.0	3967.0	3092.7	2160.7	1326.8	724.7	51.5
30°	5266.9	5273.0	5190.8	4987.3	4472.2	3726.7	2818.0	1886.0	1106.1	581.3	38.0
32.5°	5080.5	5079.3	4983.6	4750.6	4182.8	3389.4	2469.7	1558.6	849.8	441.5	22.1
35°	4808.2	4777.6	4647.6	4379.0	3751.2	2935.7	2024.6	1187.0	611.9	312.7	13.5
37.5°	4434.2	4354.5	4170.6	3811.3	3145.4	2301.7	1501.0	833.9	418.2	207.2	8.6
40°	3834.6	3750.0	3499.8	3063.2	2379.0	1656.7	1011.7	543.2	263.7	123.9	4.9
42.5°	3006.8	2949.2	2612.0	2176.6	1570.9	1057.1	608.2	321.3	148.4	71.1	1.2
45°	2077.3	2002.5	1737.6	1368.5	943.0	586.2	340.9	168.0	84.6	42.9	0.0
47.5°	1146.6	1054.6	901.3	708.8	474.6	307.8	171.7	90.7	47.8	20.8	0.0
50°	458.6	455.0	361.8	257.5	181.5	139.8	85.8	49.1	24.5	7.4	1.2
52.5°	160.6	160.6	138.6	112.8	88.3	63.8	42.9	23.3	8.6	2.5	1.2
55°	35.6	39.2	36.8	34.3	33.1	28.2	18.4	8.6	2.5	0.0	1.2
57.5°	3.7	3.7	3.7	4.9	6.1	6.1	4.9	2.5	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.5
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.5
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
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):

	90°	112.5°	135°	157.5°	180°
0°	63.8	63.8	63.8	63.8	63.8
2.5°	63.8	50.3	41.7	36.8	35.6
5°	60.1	38.0	27.0	23.3	22.1
7.5°	54.0	28.2	18.4	14.7	13.5
10°	46.6	20.8	12.3	8.6	8.6
12.5°	39.2	15.9	7.4	3.7	2.5
15°	31.9	9.8	2.5	1.2	1.2
17.5°	24.5	6.1	0.0	0.0	0.0
20°	19.6	2.5	0.0	0.0	0.0
22.5°	14.7	1.2	0.0	0.0	0.0
25°	9.8	0.0	0.0	0.0	0.0
27.5°	6.1	0.0	0.0	0.0	0.0
30°	3.7	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.5	2.5
50°	1.2	1.2	1.2	2.5	3.7
52.5°	2.5	1.2	2.5	3.7	3.7
55°	2.5	2.5	3.7	4.9	4.9
57.5°	2.5	2.5	3.7	4.9	4.9
60°	2.5	2.5	3.7	4.9	6.1
62.5°	3.7	3.7	3.7	4.9	4.9
65°	3.7	3.7	3.7	4.9	6.1
67.5°	3.7	3.7	3.7	4.9	6.1
70°	3.7	3.7	3.7	4.9	4.9
72.5°	4.9	3.7	3.7	4.9	4.9
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.7	3.7	2.5	3.7	3.7
80°	3.7	2.5	2.5	2.5	2.5
82.5°	3.7	2.5	2.5	2.5	2.5
85°	3.7	2.5	1.2	1.2	1.2
87.5°	3.7	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)