

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: P1318059

Luminaire Tested: P3SQAS13R609835DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609835DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

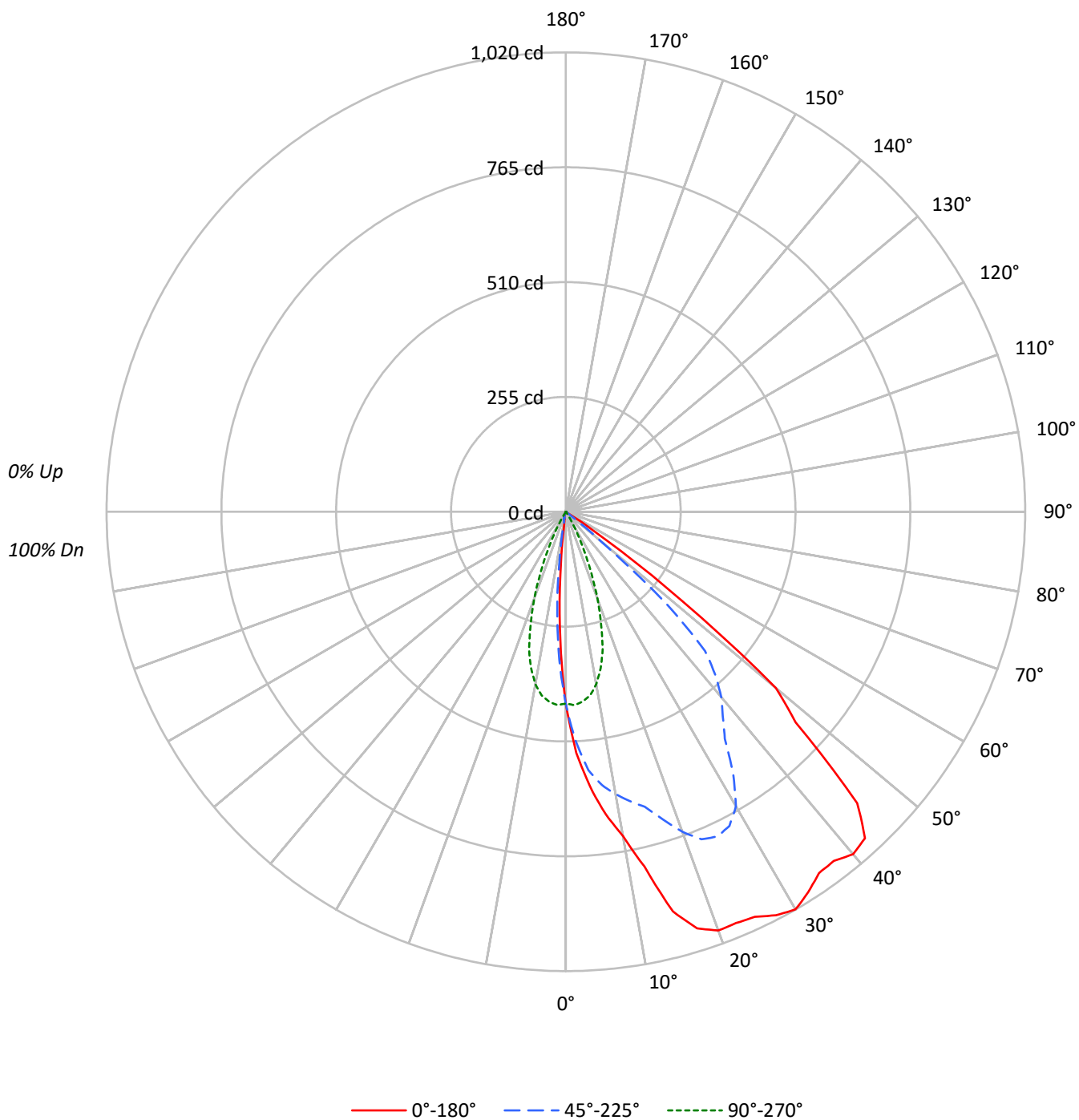
Lumens per Lamp: N/A
Luminaire Lumens: 692.1 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	73332	73332	73332	73332	73332
5°	105699	99545	73215	37723	24238
10°	127854	111293	67958	4512	2658
15°	163856	120886	56324	2978	2425
20°	181333	138575	37773	1668	275
25°	188582	151166	18566	152	0
30°	202783	150203	5131	0	0
35°	205956	129343	0	0	0
40°	223112	120594	0	0	0
45°	222906	106460	0	0	0
50°	163197	25775	0	0	0
55°	31858	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 223271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	5.3
10°-20°	104.1	15.0
20°-30°	165.9	24.0
30°-40°	191.8	27.7
40°-50°	152.3	22.0
50°-60°	40.1	5.8
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°	306.6	44.3
0°-40°	498.4	72.0
0°-60°	690.9	99.8
0°-90°	692.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	692.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	426	426	426	426	426	
5°	611	576	424	218	140	62
15°	919	678	316	17	14	256
25°	992	796	98	1	0	463
35°	980	615	0	0	0	622
45°	915	437	0	0	0	652
55°	106	0	0	0	0	160
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	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°	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8
2.5°	535.6	540.9	538.6	536.4	531.1	528.8	528.8	522.7	512.9	511.4	504.6
5°	611.4	612.9	612.9	611.4	607.6	601.5	600.0	593.9	584.9	575.8	566.7
7.5°	677.3	676.5	672.0	668.9	662.1	653.8	646.2	637.9	624.2	612.1	599.2
10°	731.1	733.3	729.6	722.0	712.9	701.5	689.4	675.0	654.6	636.4	619.7
12.5°	806.8	806.1	796.2	783.3	761.4	740.2	721.2	705.3	680.3	658.3	637.9
15°	919.0	917.4	908.3	897.0	865.2	833.3	800.8	756.1	714.4	678.0	649.3
17.5°	969.7	972.7	965.2	959.1	940.9	919.7	890.9	846.2	781.8	715.9	655.3
20°	989.4	993.2	987.9	987.1	978.8	969.0	945.5	897.0	834.1	756.1	681.1
22.5°	988.6	991.7	989.4	999.3	1009.1	1003.8	975.0	926.5	862.1	787.1	702.3
25°	992.4	990.2	981.8	996.2	1010.6	1006.1	991.7	950.0	879.6	795.5	709.9
27.5°	1009.9	993.2	976.5	994.7	1001.5	1003.0	994.7	945.5	876.5	786.4	694.7
30°	1019.7	1001.5	987.9	1003.0	1003.0	1011.4	994.0	937.9	850.8	755.3	654.6
32.5°	1001.5	997.7	1009.9	1025.0	1028.8	1028.8	990.2	912.9	807.6	691.7	590.2
35°	979.6	988.6	1023.5	1030.3	1030.3	1013.6	966.7	868.9	743.2	615.2	542.4
37.5°	977.3	991.7	1030.3	1022.0	1008.3	977.3	909.1	792.4	651.5	572.0	506.8
40°	992.4	1006.1	1028.8	998.5	965.9	917.4	835.6	692.4	596.2	536.4	463.6
42.5°	983.3	996.2	997.0	952.3	906.1	840.2	731.8	611.4	556.1	490.9	414.4
45°	915.2	916.7	913.6	865.9	818.2	750.0	634.9	571.2	512.1	437.1	304.5
47.5°	691.7	688.6	700.0	686.4	688.6	647.7	576.5	524.2	453.8	306.8	92.4
50°	609.1	605.3	593.9	581.8	569.7	550.0	516.7	460.6	327.3	96.2	3.0
52.5°	326.5	344.7	380.3	434.9	455.3	453.8	428.8	340.9	103.0	0.8	0.0
55°	106.1	104.5	116.7	137.9	189.4	218.2	227.3	115.9	2.3	0.0	0.0
57.5°	0.0	0.0	0.0	2.3	7.6	19.7	25.8	1.5	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	425.8	425.8	425.8	425.8	425.8	425.8	425.8	425.8
2.5°	495.5	484.9	472.7	429.6	378.8	329.5	293.9	284.9
5°	552.3	534.1	508.3	423.5	312.9	218.2	156.1	140.2
7.5°	581.8	565.9	538.6	411.4	242.4	107.6	40.2	27.3
10°	600.0	581.1	550.8	388.6	158.3	25.8	14.4	15.2
12.5°	612.9	590.9	556.8	356.1	80.3	12.9	18.2	18.9
15°	618.2	594.7	556.1	315.9	28.8	16.7	15.9	13.6
17.5°	615.2	585.6	546.2	258.3	9.8	15.9	8.3	6.8
20°	611.4	578.0	530.3	206.1	8.3	9.1	3.0	1.5
22.5°	623.5	565.2	508.3	147.7	8.3	3.0	0.0	0.0
25°	625.0	559.9	480.3	97.7	3.8	0.8	0.0	0.0
27.5°	609.9	528.8	437.1	57.6	0.0	0.0	0.0	0.0
30°	561.4	490.2	390.9	25.8	0.0	0.0	0.0	0.0
32.5°	513.6	447.0	339.4	6.1	0.0	0.0	0.0	0.0
35°	475.8	402.3	282.6	0.0	0.0	0.0	0.0	0.0
37.5°	428.8	349.2	210.6	0.0	0.0	0.0	0.0	0.0
40°	379.5	281.8	105.3	0.0	0.0	0.0	0.0	0.0
42.5°	296.2	134.1	10.6	0.0	0.0	0.0	0.0	0.0
45°	113.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.1	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	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)