

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: P1317766

Luminaire Tested: P3SQAS05R609835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317766
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: P3SQAS05R609835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

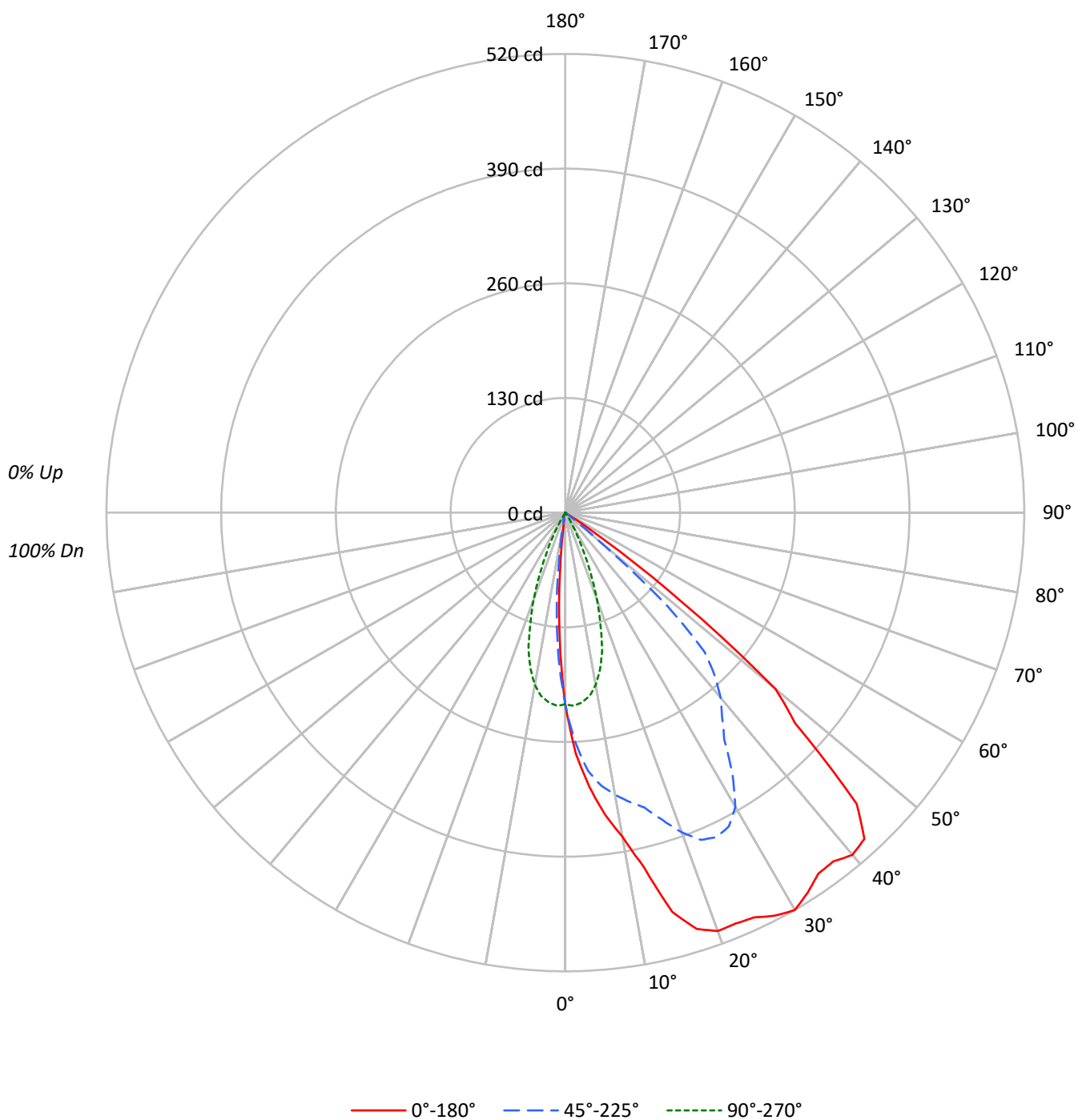
Lumens per Lamp: N/A
Luminaire Lumens: 353.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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°	37407	37407	37407	37407	37407
5°	53921	50775	37342	19242	12361
10°	65213	56766	34679	2291	1347
15°	83586	61673	28742	1516	1248
20°	92499	70689	19262	843	147
25°	96210	77113	9482	76	0
30°	103450	76623	2605	0	0
35°	105059	65975	0	0	0
40°	113827	61511	0	0	0
45°	113694	54314	0	0	0
50°	83246	13155	0	0	0
55°	16244	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 113888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	5.3
10°-20°	53.1	15.0
20°-30°	84.6	24.0
30°-40°	97.8	27.7
40°-50°	77.7	22.0
50°-60°	20.4	5.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	156.4	44.3
0°-40°	254.3	72.0
0°-60°	352.4	99.8
0°-90°	353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	353.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	217	217	217	217	217	
5°	312	294	216	111	72	32
15°	469	346	161	8	7	131
25°	506	406	50	0	0	236
35°	500	314	0	0	0	317
45°	467	223	0	0	0	332
55°	54	0	0	0	0	82
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	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°	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2
2.5°	273.2	275.9	274.8	273.6	270.9	269.7	269.7	266.7	261.6	260.9	257.4
5°	311.9	312.6	312.6	311.9	309.9	306.8	306.1	303.0	298.3	293.7	289.1
7.5°	345.5	345.1	342.8	341.2	337.8	333.5	329.6	325.4	318.4	312.3	305.7
10°	372.9	374.1	372.2	368.3	363.7	357.9	351.7	344.3	333.9	324.6	316.1
12.5°	411.6	411.2	406.2	399.6	388.4	377.6	367.9	359.8	347.0	335.8	325.4
15°	468.8	468.0	463.4	457.6	441.3	425.1	408.5	385.7	364.4	345.9	331.2
17.5°	494.7	496.2	492.3	489.3	480.0	469.2	454.5	431.7	398.8	365.2	334.3
20°	504.7	506.6	503.9	503.6	499.3	494.3	482.3	457.6	425.5	385.7	347.4
22.5°	504.3	505.9	504.7	509.7	514.8	512.1	497.4	472.6	439.8	401.5	358.2
25°	506.3	505.1	500.8	508.2	515.5	513.2	505.9	484.6	448.7	405.8	362.1
27.5°	515.1	506.6	498.1	507.4	510.9	511.7	507.4	482.3	447.1	401.1	354.4
30°	520.2	510.9	503.9	511.7	511.7	515.9	507.0	478.4	434.0	385.3	333.9
32.5°	510.9	509.0	515.1	522.9	524.8	524.8	505.1	465.7	412.0	352.8	301.0
35°	499.7	504.3	522.1	525.6	525.6	517.1	493.1	443.3	379.1	313.8	276.7
37.5°	498.5	505.9	525.6	521.3	514.4	498.5	463.7	404.2	332.4	291.8	258.5
40°	506.3	513.2	524.8	509.3	492.7	468.0	426.3	353.2	304.1	273.6	236.5
42.5°	501.6	508.2	508.6	485.8	462.2	428.6	373.3	311.9	283.7	250.4	211.4
45°	466.8	467.6	466.1	441.7	417.4	382.6	323.8	291.4	261.2	223.0	155.4
47.5°	352.8	351.3	357.1	350.1	351.3	330.4	294.1	267.4	231.5	156.5	47.1
50°	310.7	308.8	303.0	296.8	290.6	280.6	263.6	235.0	166.9	49.1	1.5
52.5°	166.6	175.8	194.0	221.8	232.3	231.5	218.7	173.9	52.6	0.4	0.0
55°	54.1	53.3	59.5	70.3	96.6	111.3	115.9	59.1	1.2	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	3.9	10.0	13.1	0.8	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2
2.5°	252.7	247.3	241.1	219.1	193.2	168.1	149.9	145.3
5°	281.7	272.5	259.3	216.0	159.6	111.3	79.6	71.5
7.5°	296.8	288.7	274.8	209.8	123.7	54.9	20.5	13.9
10°	306.1	296.4	281.0	198.3	80.8	13.1	7.3	7.7
12.5°	312.6	301.4	284.0	181.6	41.0	6.6	9.3	9.7
15°	315.3	303.4	283.7	161.2	14.7	8.5	8.1	7.0
17.5°	313.8	298.7	278.6	131.8	5.0	8.1	4.3	3.5
20°	311.9	294.9	270.5	105.1	4.3	4.6	1.5	0.8
22.5°	318.1	288.3	259.3	75.4	4.3	1.5	0.0	0.0
25°	318.8	285.6	245.0	49.9	1.9	0.4	0.0	0.0
27.5°	311.1	269.7	223.0	29.4	0.0	0.0	0.0	0.0
30°	286.4	250.0	199.4	13.1	0.0	0.0	0.0	0.0
32.5°	262.0	228.0	173.1	3.1	0.0	0.0	0.0	0.0
35°	242.7	205.2	144.1	0.0	0.0	0.0	0.0	0.0
37.5°	218.7	178.2	107.4	0.0	0.0	0.0	0.0	0.0
40°	193.6	143.8	53.7	0.0	0.0	0.0	0.0	0.0
42.5°	151.1	68.4	5.4	0.0	0.0	0.0	0.0	0.0
45°	58.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.1	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°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)