

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: P1314122

Luminaire Tested: P3SQAS05R609735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314122
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: P3SQAS05R609735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

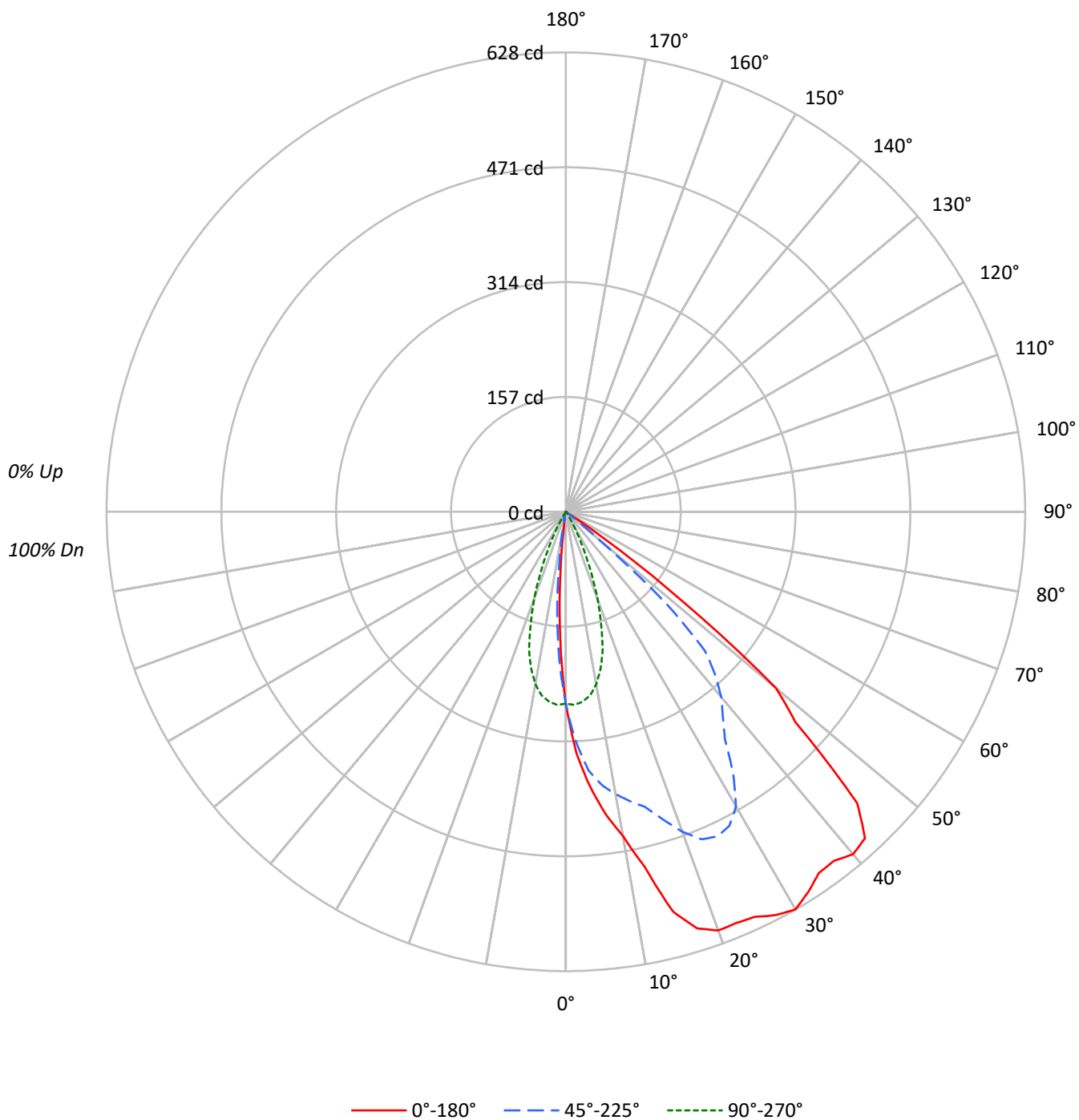
Lumens per Lamp: N/A
Luminaire Lumens: 426.1 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	45140	45140	45140	45140	45140
5°	65072	61269	45070	23218	14920
10°	78713	68518	41849	2781	1626
15°	100863	74422	34679	1836	1498
20°	111633	85296	23258	1026	165
25°	116106	93056	11440	95	0
30°	124828	92472	3162	0	0
35°	126778	79620	0	0	0
40°	137365	74236	0	0	0
45°	137221	65542	0	0	0
50°	100474	15862	0	0	0
55°	19607	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 137441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	5.3
10°-20°	64.1	15.0
20°-30°	102.2	24.0
30°-40°	118.1	27.7
40°-50°	93.8	22.0
50°-60°	24.7	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	188.8	44.3
0°-40°	306.8	72.0
0°-60°	425.3	99.8
0°-90°	426.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	376	354	261	134	86	38
15°	566	417	194	10	8	158
25°	611	490	60	0	0	285
35°	603	379	0	0	0	383
45°	563	269	0	0	0	401
55°	65	0	0	0	0	98
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°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	329.7	333.0	331.6	330.2	326.9	325.5	325.5	321.8	315.7	314.8	310.6
5°	376.4	377.3	377.3	376.4	374.0	370.3	369.4	365.6	360.0	354.4	348.8
7.5°	416.9	416.5	413.7	411.8	407.6	402.5	397.8	392.7	384.3	376.8	368.9
10°	450.1	451.5	449.1	444.5	438.9	431.9	424.4	415.5	402.9	391.8	381.5
12.5°	496.7	496.2	490.2	482.2	468.7	455.6	444.0	434.2	418.8	405.3	392.7
15°	565.7	564.8	559.2	552.2	532.6	513.0	493.0	465.4	439.8	417.4	399.7
17.5°	597.0	598.8	594.2	590.4	579.2	566.2	548.5	520.9	481.3	440.7	403.4
20°	609.1	611.4	608.2	607.7	602.6	596.5	582.0	552.2	513.5	465.4	419.3
22.5°	608.6	610.5	609.1	615.1	621.2	617.9	600.2	570.4	530.7	484.6	432.3
25°	611.0	609.6	604.4	613.3	622.1	619.3	610.5	584.8	541.5	489.7	437.0
27.5°	621.7	611.4	601.2	612.3	616.5	617.5	612.3	582.0	539.6	484.1	427.7
30°	627.7	616.5	608.2	617.5	617.5	622.6	611.9	577.4	523.7	465.0	402.9
32.5°	616.5	614.2	621.7	631.0	633.3	633.3	609.6	562.0	497.2	425.8	363.3
35°	603.0	608.6	630.1	634.3	634.3	624.0	595.1	534.9	457.5	378.7	333.9
37.5°	601.6	610.5	634.3	629.1	620.7	601.6	559.6	487.8	401.1	352.1	312.0
40°	611.0	619.3	633.3	614.7	594.6	564.8	514.4	426.3	367.0	330.2	285.4
42.5°	605.4	613.3	613.7	586.2	557.8	517.2	450.5	376.4	342.3	302.2	255.1
45°	563.4	564.3	562.4	533.1	503.7	461.7	390.8	351.6	315.3	269.1	187.5
47.5°	425.8	423.9	430.9	422.5	423.9	398.8	354.9	322.7	279.4	188.9	56.9
50°	375.0	372.6	365.6	358.2	350.7	338.6	318.1	283.6	201.5	59.2	1.9
52.5°	201.0	212.2	234.1	267.7	280.3	279.4	264.0	209.9	63.4	0.5	0.0
55°	65.3	64.4	71.8	84.9	116.6	134.3	139.9	71.4	1.4	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	4.7	12.1	15.9	0.9	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	305.0	298.5	291.0	264.4	233.2	202.9	181.0	175.4
5°	340.0	328.8	312.9	260.7	192.6	134.3	96.1	86.3
7.5°	358.2	348.4	331.6	253.2	149.2	66.2	24.7	16.8
10°	369.4	357.7	339.1	239.3	97.5	15.9	8.9	9.3
12.5°	377.3	363.8	342.8	219.2	49.4	7.9	11.2	11.7
15°	380.6	366.1	342.3	194.5	17.7	10.3	9.8	8.4
17.5°	378.7	360.5	336.3	159.0	6.1	9.8	5.1	4.2
20°	376.4	355.8	326.5	126.9	5.1	5.6	1.9	0.9
22.5°	383.8	347.9	312.9	90.9	5.1	1.9	0.0	0.0
25°	384.8	344.7	295.7	60.2	2.3	0.5	0.0	0.0
27.5°	375.4	325.5	269.1	35.4	0.0	0.0	0.0	0.0
30°	345.6	301.7	240.6	15.9	0.0	0.0	0.0	0.0
32.5°	316.2	275.2	208.9	3.7	0.0	0.0	0.0	0.0
35°	292.9	247.6	174.0	0.0	0.0	0.0	0.0	0.0
37.5°	264.0	215.0	129.7	0.0	0.0	0.0	0.0	0.0
40°	233.7	173.5	64.8	0.0	0.0	0.0	0.0	0.0
42.5°	182.4	82.5	6.5	0.0	0.0	0.0	0.0	0.0
45°	70.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.7	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°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)