

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: P1314135

Luminaire Tested: P3SQAS05R709735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

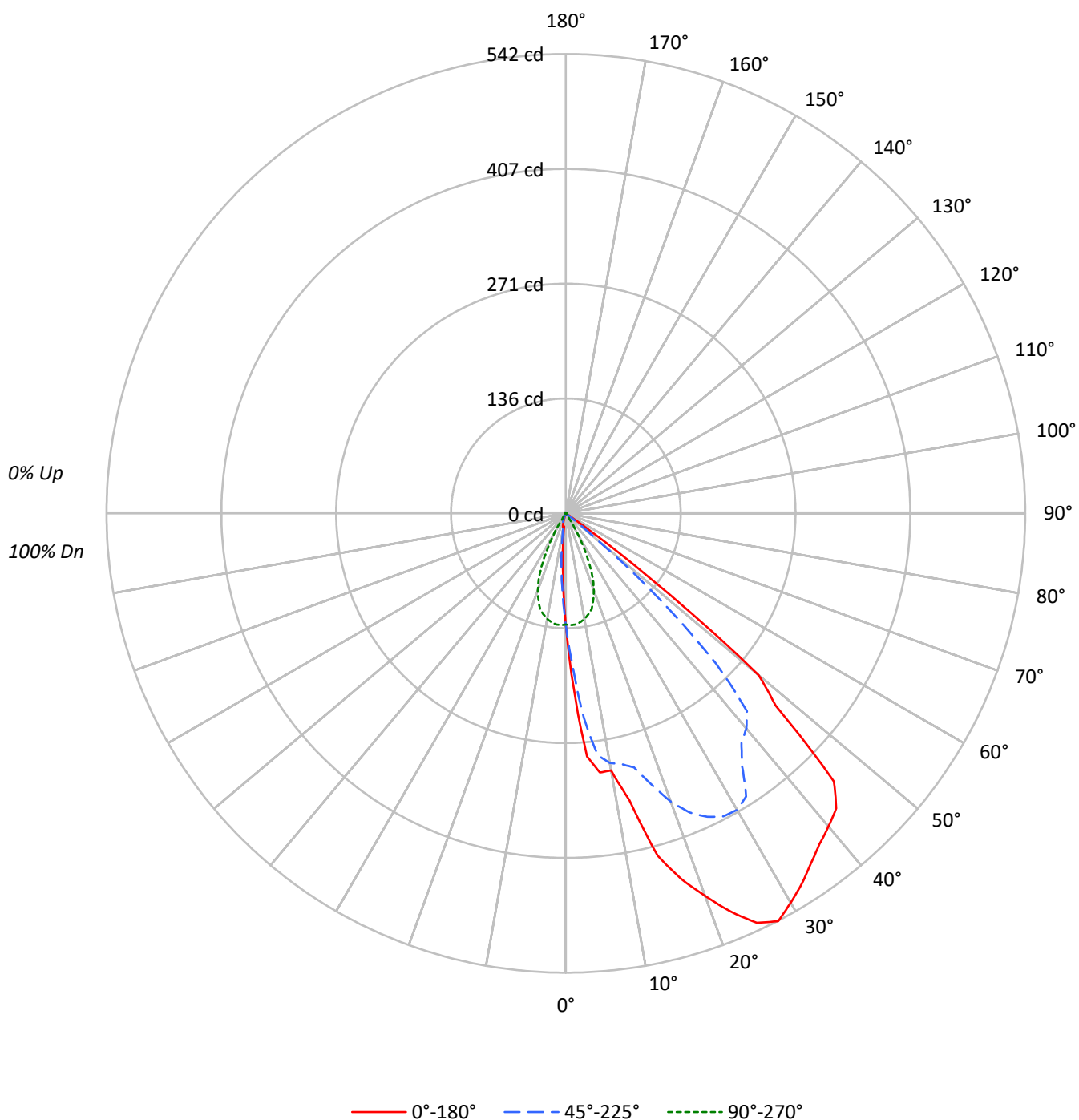
Lumens per Lamp: N/A
Luminaire Lumens: 353.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	84	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	75	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	55	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	49	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	41	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22561	22561	22561	22561	22561
5°	49772	41768	22734	10338	6811
10°	53845	52271	22122	2868	2955
15°	74511	55326	20879	2924	2140
20°	88009	66272	17704	1741	641
25°	101284	75061	12504	285	0
30°	105498	80342	5747	0	0
35°	105985	76130	315	0	0
40°	108409	74483	0	0	0
45°	108944	61036	0	0	0
50°	79549	12673	0	0	0
55°	4474	0	0	0	0
60°	0	172	172	0	0
65°	0	0	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: 111014 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	4.1
10°-20°	47.9	13.6
20°-30°	86.0	24.4
30°-40°	104.6	29.6
40°-50°	80.8	22.9
50°-60°	18.8	5.3
60°-70°	0.1	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°	148.2	42.0
0°-40°	252.8	71.6
0°-60°	352.3	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°	131	131	131	131	131	
5°	288	242	132	60	39	27
15°	418	310	117	16	12	117
25°	533	395	66	2	0	243
35°	504	362	2	0	0	317
45°	447	251	0	0	0	316
55°	15	0	0	0	0	61
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°	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
2.5°	204.2	204.2	205.2	204.7	200.3	198.3	191.8	188.3	187.3	179.3	176.3
5°	287.9	288.4	285.9	285.4	280.5	277.0	271.5	263.0	254.5	241.6	230.1
7.5°	308.3	307.9	307.4	307.4	306.4	304.4	301.9	299.4	295.9	287.9	279.0
10°	307.9	307.9	307.4	307.4	306.9	307.4	306.9	305.4	303.9	298.9	293.9
12.5°	346.7	343.7	339.7	333.8	323.8	316.3	307.9	305.4	304.4	302.9	299.9
15°	417.9	415.4	407.0	396.5	386.6	369.6	356.2	337.7	323.3	310.3	303.9
17.5°	452.3	453.8	444.3	437.9	428.4	415.0	399.0	380.1	359.7	335.2	315.8
20°	480.2	481.7	473.7	467.3	456.3	442.3	428.4	408.0	388.5	361.6	336.2
22.5°	508.6	509.6	502.1	492.7	480.2	465.8	447.8	426.9	406.0	382.1	355.2
25°	533.0	532.0	519.6	506.1	494.2	478.7	461.3	440.9	420.9	395.0	369.6
27.5°	542.5	542.0	528.0	515.1	501.1	480.2	464.8	446.8	425.9	403.0	377.1
30°	530.5	538.5	529.5	520.1	503.1	482.2	467.3	445.8	426.4	404.0	374.6
32.5°	518.1	528.0	525.0	520.6	500.6	484.2	464.8	444.8	421.9	396.0	351.2
35°	504.1	514.6	515.1	510.1	492.2	475.7	457.8	436.9	411.0	362.1	329.3
37.5°	491.7	501.6	504.6	494.2	480.2	458.3	441.8	419.9	373.1	340.2	323.3
40°	482.2	489.7	494.2	477.7	463.8	442.3	423.4	385.1	342.7	331.3	307.4
42.5°	472.2	479.2	481.2	463.3	441.8	421.4	394.0	345.7	333.3	316.3	252.1
45°	447.3	455.8	450.8	433.4	417.4	396.0	355.2	334.3	320.8	250.6	154.9
47.5°	335.7	345.2	358.7	363.6	369.1	353.7	331.3	323.8	263.5	151.9	48.3
50°	296.9	295.4	295.4	297.9	302.4	307.4	313.8	273.0	158.4	47.3	0.0
52.5°	121.0	127.0	156.4	182.8	213.2	243.6	253.1	167.4	61.8	1.0	0.0
55°	14.9	14.9	20.9	35.9	59.3	95.6	107.6	53.8	4.5	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	4.0	11.0	7.5	2.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
2.5°	171.4	165.4	156.9	132.0	110.6	91.7	80.7	75.2
5°	219.2	204.7	185.3	131.5	89.7	59.8	44.8	39.4
7.5°	265.0	248.6	215.7	129.5	68.7	34.9	19.4	15.4
10°	284.9	273.0	243.6	126.5	49.8	16.4	16.4	16.9
12.5°	292.9	283.9	260.0	122.0	32.9	15.9	16.9	15.9
15°	298.4	289.9	268.0	117.1	18.9	16.4	13.4	12.0
17.5°	301.4	291.4	270.5	107.6	12.5	13.9	8.5	7.0
20°	310.8	294.9	272.5	96.6	12.0	9.5	4.5	3.5
22.5°	326.8	301.9	273.0	83.2	9.5	5.5	1.5	0.0
25°	341.2	311.3	274.5	65.8	3.0	1.5	0.0	0.0
27.5°	348.2	314.3	274.0	46.3	0.0	0.0	0.0	0.0
30°	339.7	306.9	269.5	28.9	0.0	0.0	0.0	0.0
32.5°	319.8	301.4	255.5	12.5	0.0	0.0	0.0	0.0
35°	313.3	289.4	223.7	1.5	0.0	0.0	0.0	0.0
37.5°	298.9	255.0	164.4	0.0	0.0	0.0	0.0	0.0
40°	257.0	184.3	78.2	0.0	0.0	0.0	0.0	0.0
42.5°	169.9	78.7	4.5	0.0	0.0	0.0	0.0	0.0
45°	59.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.0	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	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.0	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	0.5	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)