

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: P1305672

Luminaire Tested: P3SQASS05R709024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS05R709024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

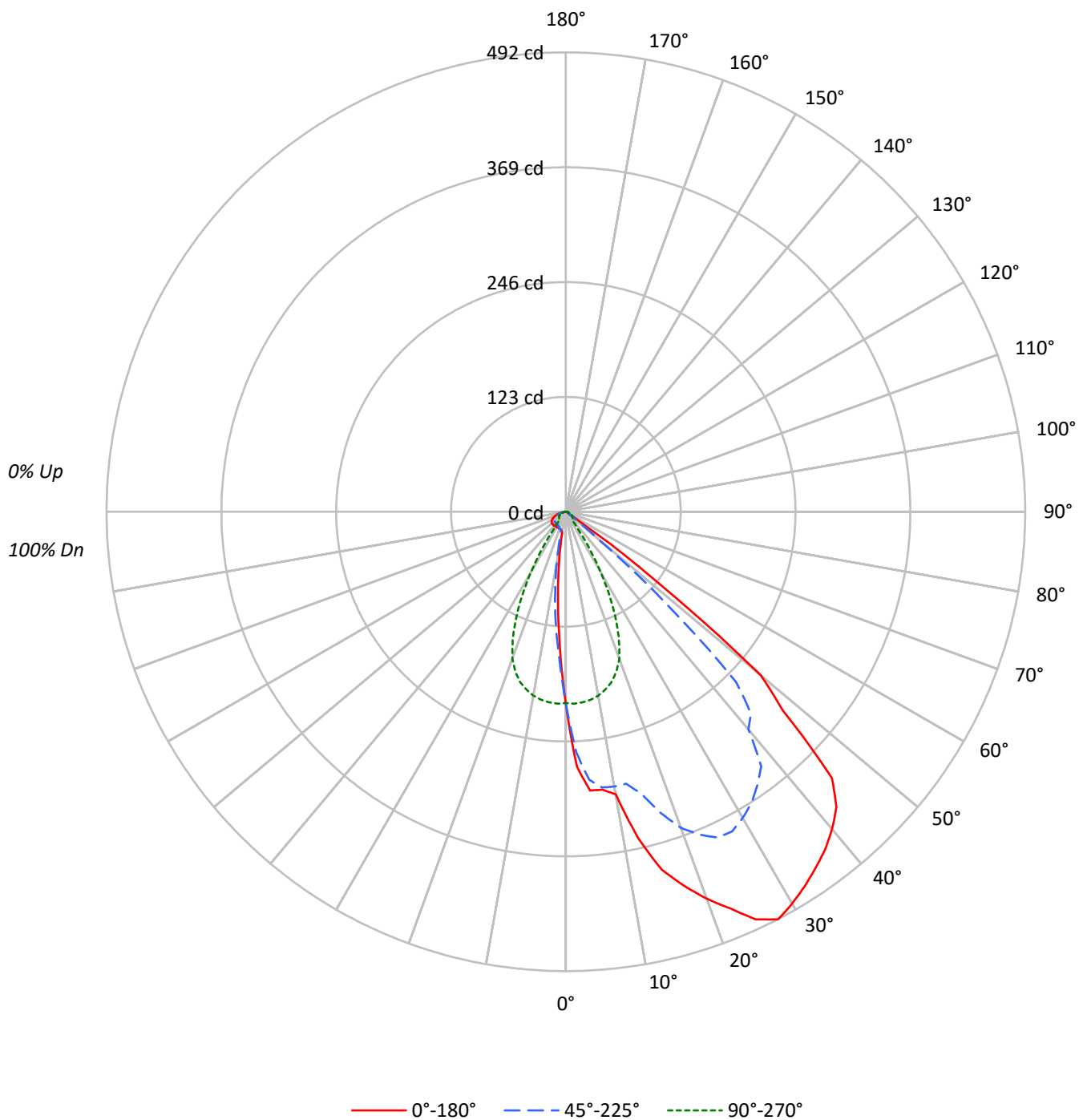
Lumens per Lamp: N/A
Luminaire Lumens: 389.0 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35271	35271	35271	35271	35271
5°	51812	49824	35406	21143	16562
10°	53723	52254	34976	10108	4092
15°	70749	55718	33680	3619	3548
20°	80824	66016	30662	3482	3556
25°	91517	73141	24076	3363	3515
30°	96390	75310	14915	3341	3778
35°	97995	75163	4920	3427	3995
40°	99730	68368	2383	3665	4362
45°	98155	62790	2484	3873	4725
50°	72958	11601	2492	4260	5198
55°	5825	1591	2642	4504	5555
60°	1206	1688	2583	4547	5787
65°	1263	1630	2527	4483	5950
70°	1108	1561	2467	4230	5791
75°	865	1464	2063	4126	5590
80°	893	1289	2182	3967	5256
85°	790	1778	2569	3557	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 99324 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	4.8
10°-20°	52.4	13.5
20°-30°	88.0	22.6
30°-40°	105.8	27.2
40°-50°	83.9	21.6
50°-60°	26.8	6.9
60°-70°	7.5	1.9
70°-80°	4.5	1.2
80°-90°	1.4	0.4
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°	159.1	40.9
0°-40°	264.9	68.1
0°-60°	375.6	96.6
0°-90°	389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	205	205	205	205	205	
5°	300	288	205	122	96	28
15°	397	312	189	20	20	112
25°	482	385	127	18	18	220
35°	466	358	23	16	19	292
45°	403	258	10	16	19	289
55°	19	5	9	15	18	61
65°	3	4	6	11	15	3
75°	1	2	3	6	8	2
85°	0	1	1	2	2	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°	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8
2.5°	273.2	275.0	275.0	272.8	273.7	270.1	267.5	263.5	262.6	257.8	251.6
5°	299.7	298.8	298.8	297.1	297.9	296.6	295.3	294.4	291.8	288.2	284.7
7.5°	300.1	301.0	301.5	301.0	302.8	301.5	301.5	301.5	299.7	297.9	294.4
10°	307.2	305.9	304.6	301.5	299.7	298.4	298.4	298.8	299.7	298.8	296.6
12.5°	358.0	353.1	350.9	343.4	337.7	328.0	316.9	308.5	301.0	298.4	296.6
15°	396.8	395.9	391.5	384.5	377.4	365.9	353.1	340.3	326.6	312.5	302.4
17.5°	419.8	418.0	413.6	406.1	397.7	387.1	377.0	367.2	354.0	338.1	321.8
20°	441.0	437.0	431.2	422.4	414.0	403.9	392.8	383.6	372.5	360.2	341.2
22.5°	459.9	456.4	447.1	435.2	426.8	417.1	407.4	398.6	388.4	374.3	357.1
25°	481.6	473.6	458.6	443.2	433.0	425.1	418.0	410.9	400.3	384.9	364.6
27.5°	492.2	481.1	464.8	449.3	439.6	431.2	423.7	416.7	404.8	385.8	362.4
30°	484.7	478.5	467.0	455.1	447.1	439.2	430.4	419.8	400.8	378.7	357.1
32.5°	475.8	472.7	467.4	460.4	455.5	447.6	435.2	418.0	391.5	369.9	346.5
35°	466.1	464.8	463.0	459.9	456.8	449.3	433.9	408.7	382.2	357.5	335.0
37.5°	456.0	454.6	456.0	455.5	452.9	443.2	419.8	396.4	369.0	343.8	300.1
40°	443.6	442.7	444.9	447.1	444.0	431.2	406.1	377.8	353.6	304.1	289.1
42.5°	429.0	428.6	432.6	434.3	429.9	410.9	381.4	360.6	309.4	293.5	258.2
45°	403.0	403.9	405.6	407.8	405.2	384.5	357.5	319.6	297.1	257.8	147.0
47.5°	315.6	316.5	325.3	343.8	356.6	349.6	326.6	298.4	265.7	147.4	46.3
50°	272.3	271.5	271.9	276.3	286.5	296.2	289.1	273.7	158.5	43.3	5.7
52.5°	119.6	132.9	147.0	186.7	212.3	239.2	244.5	171.3	51.6	5.7	5.7
55°	19.4	20.3	25.6	37.5	67.5	102.0	123.6	57.4	5.3	5.3	5.3
57.5°	4.0	4.0	4.0	4.4	6.6	14.1	16.3	4.9	4.9	4.9	5.3
60°	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.4	4.4	4.9	4.9
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.4	4.4	4.9
65°	3.1	3.1	3.1	3.1	3.5	3.5	3.5	3.5	4.0	4.0	4.4
67.5°	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5	4.0
70°	2.2	2.2	2.2	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1
72.5°	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.6	2.6	2.6
75°	1.3	1.3	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3
82.5°	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	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°	204.8	204.8	204.8	204.8	204.8	204.8	204.8	204.8
2.5°	247.6	241.4	233.1	205.7	180.5	157.6	146.1	144.8
5°	279.0	273.2	259.1	204.8	156.7	122.3	101.5	95.8
7.5°	290.9	286.0	273.7	203.0	134.2	87.8	64.4	55.6
10°	294.0	290.9	280.3	200.0	110.8	57.8	30.5	23.4
12.5°	295.3	293.1	282.9	195.1	87.4	30.0	20.7	20.7
15°	297.5	295.3	285.6	188.9	64.4	20.3	19.9	19.9
17.5°	307.2	300.1	289.1	179.6	42.4	19.4	19.4	19.4
20°	323.1	307.7	290.9	167.3	26.5	19.0	19.0	19.4
22.5°	336.3	315.6	290.4	148.7	19.4	18.1	18.5	19.0
25°	342.1	319.1	286.5	126.7	16.8	17.7	18.5	18.5
27.5°	341.2	320.5	282.9	101.5	15.9	17.2	18.1	19.0
30°	336.3	316.9	275.0	75.0	15.0	16.8	18.1	19.0
32.5°	328.0	303.2	259.1	48.6	14.6	16.8	18.1	19.0
35°	300.6	281.2	236.1	23.4	14.1	16.3	18.5	19.0
37.5°	284.7	257.8	180.1	11.5	13.7	16.3	18.5	19.0
40°	259.1	192.4	81.2	10.6	13.7	16.3	18.5	19.4
42.5°	162.9	79.0	13.2	10.2	13.2	16.3	18.5	19.4
45°	59.6	10.6	7.1	10.2	13.2	15.9	18.5	19.4
47.5°	6.2	6.2	6.6	9.7	12.8	15.9	18.5	19.4
50°	5.7	6.2	6.6	9.3	12.4	15.9	18.1	19.4
52.5°	5.7	6.2	6.6	9.3	11.9	15.4	18.1	19.4
55°	5.7	6.2	6.2	8.8	11.5	15.0	17.7	18.5
57.5°	5.3	5.7	6.2	8.4	11.0	14.1	17.2	18.1
60°	5.3	5.7	6.2	7.5	10.6	13.2	16.3	16.8
62.5°	4.9	5.3	5.7	7.1	9.7	12.4	15.0	15.9
65°	4.9	4.9	5.3	6.2	8.8	11.0	13.7	14.6
67.5°	4.0	4.4	4.4	5.3	7.5	9.7	12.4	13.2
70°	3.5	3.5	4.0	4.9	6.6	8.4	10.6	11.5
72.5°	3.1	3.1	3.1	4.0	5.7	7.5	9.3	10.2
75°	2.6	2.6	2.6	3.1	4.9	6.2	7.9	8.4
77.5°	2.2	2.2	2.2	2.6	4.0	5.3	6.2	7.1
80°	1.8	1.8	1.8	2.2	3.1	4.0	4.9	5.3
82.5°	1.3	1.3	1.3	1.8	2.2	2.6	3.5	3.5
85°	0.9	0.9	0.9	1.3	1.3	1.8	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)