

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: P1317781

Luminaire Tested: P3SQAS05R709835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317781
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: P3SQAS05R709835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

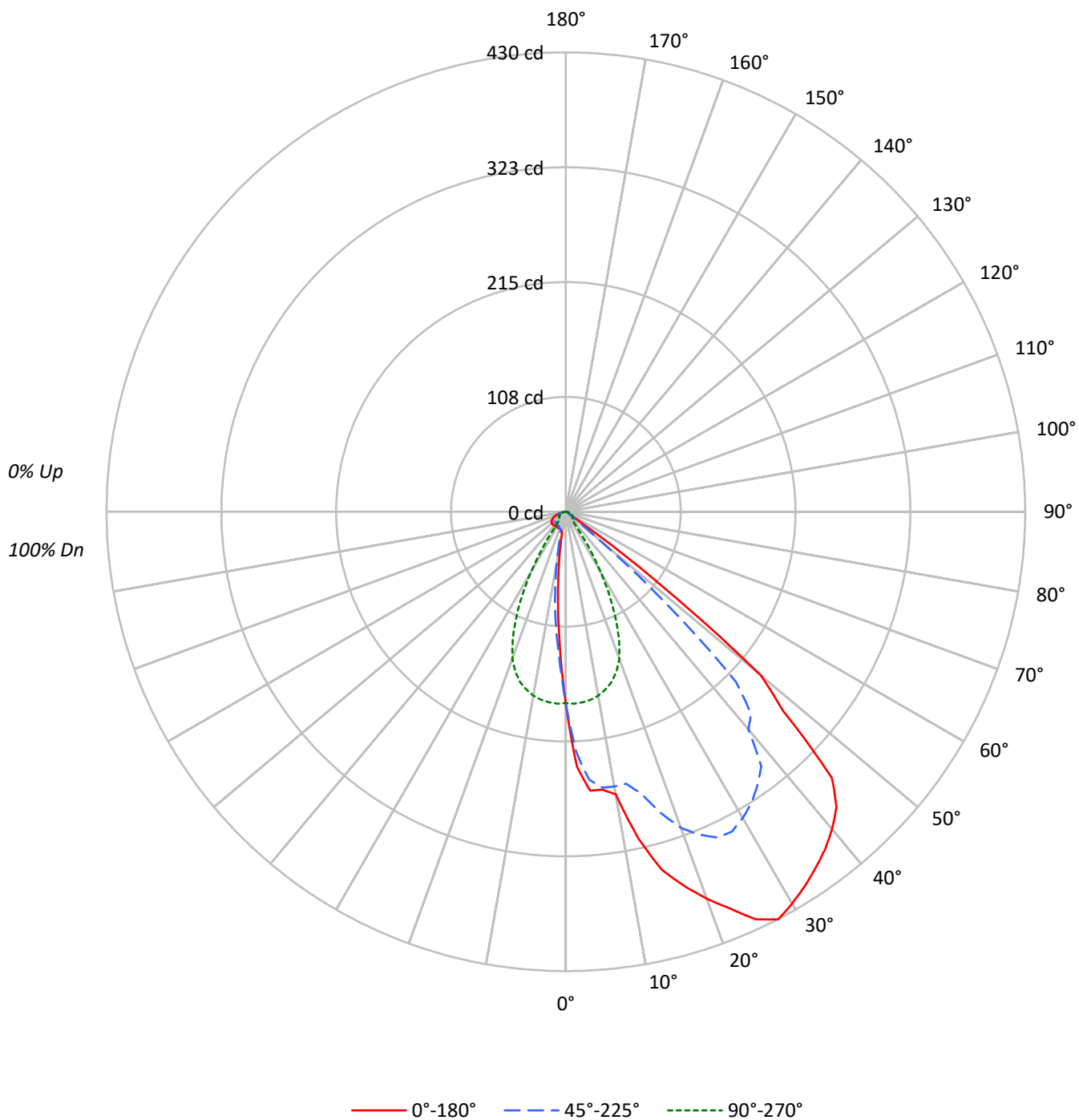
Lumens per Lamp: N/A
Luminaire Lumens: 340.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	30828	30828	30828	30828	30828
5°	45295	43549	30946	18481	14470
10°	46955	45679	30569	8831	3568
15°	61834	48693	29437	3156	3102
20°	70634	57695	26795	3042	3116
25°	79982	63925	21036	2926	3078
30°	84239	65825	13046	2923	3301
35°	85654	65702	4289	3007	3490
40°	87163	59757	2091	3215	3822
45°	85782	54874	2168	3385	4141
50°	63768	10128	2170	3724	4555
55°	5104	1381	2312	3933	4864
60°	1068	1447	2273	3996	5063
65°	1100	1426	2201	3912	5175
70°	957	1360	2115	3676	5035
75°	799	1264	1797	3593	4858
80°	793	1190	1884	3471	4562
85°	790	1581	2371	2964	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 86829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	4.8
10°-20°	45.8	13.5
20°-30°	76.9	22.6
30°-40°	92.5	27.2
40°-50°	73.3	21.6
50°-60°	23.4	6.9
60°-70°	6.6	1.9
70°-80°	3.9	1.1
80°-90°	1.2	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°	139.0	40.9
0°-40°	231.5	68.1
0°-60°	328.3	96.6
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	179	179	179	179	179	
5°	262	252	179	107	84	25
15°	347	273	165	18	17	98
25°	421	336	111	15	16	192
35°	407	312	20	14	17	255
45°	352	225	9	14	17	253
55°	17	5	8	13	16	53
65°	3	4	5	10	13	3
75°	1	2	3	5	7	1
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	238.8	240.4	240.4	238.4	239.2	236.1	233.8	230.3	229.5	225.3	219.9
5°	262.0	261.2	261.2	259.6	260.4	259.3	258.1	257.3	255.0	251.9	248.8
7.5°	262.3	263.1	263.5	263.1	264.7	263.5	263.5	263.5	262.0	260.4	257.3
10°	268.5	267.4	266.2	263.5	262.0	260.8	260.8	261.2	262.0	261.2	259.3
12.5°	312.9	308.6	306.7	300.1	295.1	286.6	277.0	269.7	263.1	260.8	259.3
15°	346.8	346.1	342.2	336.0	329.9	319.8	308.6	297.4	285.5	273.1	264.3
17.5°	366.9	365.3	361.5	354.9	347.6	338.3	329.5	321.0	309.4	295.5	281.2
20°	385.4	381.9	376.9	369.2	361.9	353.0	343.4	335.3	325.6	314.8	298.2
22.5°	402.0	398.9	390.8	380.4	373.1	364.6	356.1	348.4	339.5	327.2	312.1
25°	420.9	414.0	400.8	387.3	378.5	371.5	365.3	359.2	349.9	336.4	318.7
27.5°	430.2	420.5	406.2	392.7	384.3	376.9	370.4	364.2	353.8	337.2	316.7
30°	423.6	418.2	408.2	397.8	390.8	383.9	376.1	366.9	350.3	331.0	312.1
32.5°	415.9	413.2	408.6	402.4	398.1	391.2	380.4	365.3	342.2	323.3	302.8
35°	407.4	406.2	404.7	402.0	399.3	392.7	379.2	357.2	334.1	312.5	292.8
37.5°	398.5	397.4	398.5	398.1	395.8	387.3	366.9	346.4	322.5	300.5	262.3
40°	387.7	387.0	388.9	390.8	388.1	376.9	354.9	330.2	309.0	265.8	252.7
42.5°	375.0	374.6	378.1	379.6	375.8	359.2	333.3	315.2	270.4	256.6	225.7
45°	352.2	353.0	354.5	356.5	354.2	336.0	312.5	279.3	259.6	225.3	128.5
47.5°	275.8	276.6	284.3	300.5	311.7	305.5	285.5	260.8	232.2	128.9	40.5
50°	238.0	237.3	237.6	241.5	250.4	258.9	252.7	239.2	138.5	37.8	5.0
52.5°	104.6	116.1	128.5	163.2	185.6	209.1	213.7	149.7	45.1	5.0	5.0
55°	17.0	17.7	22.4	32.8	59.0	89.1	108.0	50.2	4.6	4.6	4.6
57.5°	3.5	3.5	3.5	3.9	5.8	12.3	14.3	4.2	4.2	4.2	4.6
60°	3.1	3.1	3.1	3.1	3.5	3.5	3.5	3.9	3.9	4.2	4.2
62.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.5	3.5	3.9	3.9	4.2
65°	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.5	3.5	3.9
67.5°	2.3	2.3	2.3	2.3	2.7	2.7	2.7	3.1	3.1	3.1	3.5
70°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.7	2.7	2.7
72.5°	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	2.3	2.3	2.3
75°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2
82.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	216.4	211.0	203.7	179.8	157.8	137.7	127.7	126.5
5°	243.8	238.8	226.5	179.0	137.0	106.9	88.7	83.7
7.5°	254.2	250.0	239.2	177.5	117.3	76.8	56.3	48.6
10°	256.9	254.2	245.0	174.8	96.8	50.5	26.6	20.4
12.5°	258.1	256.2	247.3	170.5	76.4	26.2	18.1	18.1
15°	260.0	258.1	249.6	165.1	56.3	17.7	17.4	17.4
17.5°	268.5	262.3	252.7	157.0	37.0	17.0	17.0	17.0
20°	282.4	268.9	254.2	146.2	23.1	16.6	16.6	17.0
22.5°	294.0	275.8	253.9	130.0	17.0	15.8	16.2	16.6
25°	299.0	278.9	250.4	110.7	14.7	15.4	16.2	16.2
27.5°	298.2	280.1	247.3	88.7	13.9	15.0	15.8	16.6
30°	294.0	277.0	240.4	65.6	13.1	14.7	15.8	16.6
32.5°	286.6	265.0	226.5	42.4	12.7	14.7	15.8	16.6
35°	262.7	245.8	206.4	20.4	12.3	14.3	16.2	16.6
37.5°	248.8	225.3	157.4	10.0	12.0	14.3	16.2	16.6
40°	226.5	168.2	71.0	9.3	12.0	14.3	16.2	17.0
42.5°	142.4	69.1	11.6	8.9	11.6	14.3	16.2	17.0
45°	52.1	9.3	6.2	8.9	11.6	13.9	16.2	17.0
47.5°	5.4	5.4	5.8	8.5	11.2	13.9	16.2	17.0
50°	5.0	5.4	5.8	8.1	10.8	13.9	15.8	17.0
52.5°	5.0	5.4	5.8	8.1	10.4	13.5	15.8	17.0
55°	5.0	5.4	5.4	7.7	10.0	13.1	15.4	16.2
57.5°	4.6	5.0	5.4	7.3	9.6	12.3	15.0	15.8
60°	4.6	5.0	5.4	6.6	9.3	11.6	14.3	14.7
62.5°	4.2	4.6	5.0	6.2	8.5	10.8	13.1	13.9
65°	4.2	4.2	4.6	5.4	7.7	9.6	12.0	12.7
67.5°	3.5	3.9	3.9	4.6	6.6	8.5	10.8	11.6
70°	3.1	3.1	3.5	4.2	5.8	7.3	9.3	10.0
72.5°	2.7	2.7	2.7	3.5	5.0	6.6	8.1	8.9
75°	2.3	2.3	2.3	2.7	4.2	5.4	6.9	7.3
77.5°	1.9	1.9	1.9	2.3	3.5	4.6	5.4	6.2
80°	1.5	1.5	1.5	1.9	2.7	3.5	4.2	4.6
82.5°	1.2	1.2	1.2	1.5	1.9	2.3	3.1	3.1
85°	0.8	0.8	0.8	1.2	1.2	1.5	1.9	1.9
87.5°	0.4	0.4	0.4	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

(END OF REPORT)