

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: P1316005

Luminaire Tested: P3SQAS05R559827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

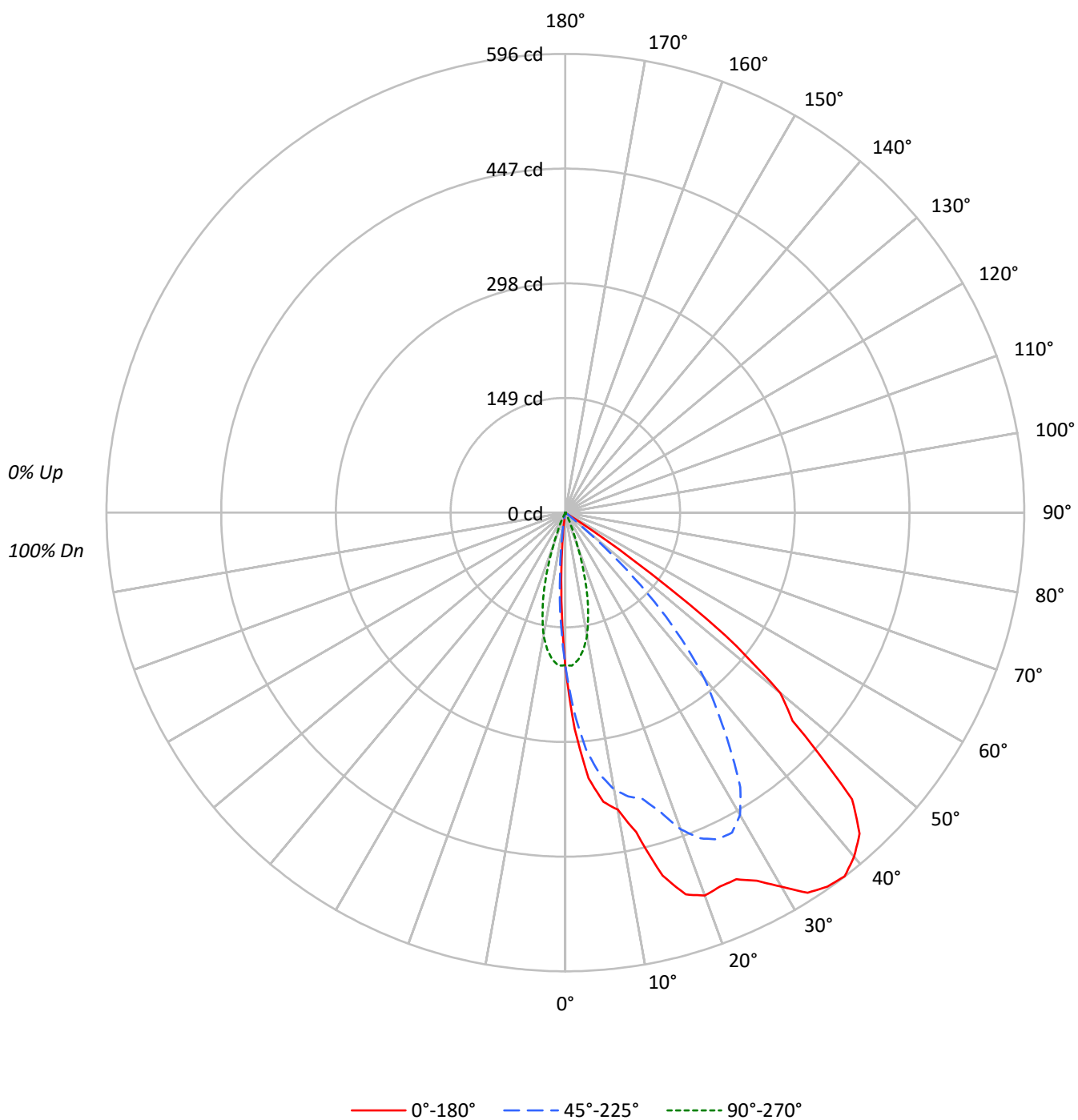
Lumens per Lamp: N/A
Luminaire Lumens: 366.9 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	34152	34152	34152	34152	34152
5°	59869	53368	33158	13779	7935
10°	68518	63866	28348	1504	542
15°	87081	68573	19434	303	178
20°	97026	80220	8541	0	0
25°	99878	89008	2432	0	0
30°	111583	90186	338	0	0
35°	124717	78316	0	0	0
40°	131205	63040	0	0	0
45°	128258	39822	0	0	0
50°	97661	8145	0	0	0
55°	32008	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	694	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	4.9
10°-20°	53.1	14.5
20°-30°	86.4	23.5
30°-40°	102.6	28.0
40°-50°	83.9	22.9
50°-60°	22.2	6.1
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°	157.6	42.9
0°-40°	260.2	70.9
0°-60°	366.4	99.8
0°-90°	366.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	198	198	198	198	198	
5°	346	309	192	80	46	34
15°	488	385	109	2	1	137
25°	526	468	13	0	0	248
35°	593	372	0	0	0	369
45°	527	164	0	0	0	378
55°	107	0	0	0	0	120
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°	67.5°
0°	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3
2.5°	281.4	279.4	279.7	278.7	279.7	275.2	270.4	265.9	262.5	257.6	228.3
5°	346.3	342.8	341.8	340.4	339.0	333.5	329.0	323.5	317.0	308.7	254.9
7.5°	379.0	376.3	374.9	375.6	372.5	370.4	364.5	358.3	351.4	342.5	274.9
10°	391.8	389.0	388.7	388.3	388.0	386.6	383.9	378.3	372.1	365.2	286.3
12.5°	425.2	419.0	414.9	410.1	404.2	396.6	390.4	385.6	383.2	377.7	291.4
15°	488.4	482.5	478.0	471.8	460.8	444.6	429.7	410.8	394.2	384.6	289.4
17.5°	520.1	517.3	513.5	509.4	501.8	490.1	474.9	454.9	433.9	406.6	279.4
20°	529.4	528.0	525.3	523.5	518.4	510.1	499.7	484.2	464.6	437.7	263.8
22.5°	525.6	526.6	528.0	532.5	533.2	527.3	517.7	502.8	482.8	458.0	240.0
25°	525.6	524.9	524.9	534.2	540.1	537.3	530.4	517.0	496.6	468.4	210.7
27.5°	539.1	534.9	526.3	536.0	545.6	544.6	538.4	522.5	499.7	468.7	174.9
30°	561.1	552.2	538.0	547.0	556.0	552.2	542.2	521.8	492.8	453.5	131.1
32.5°	585.6	581.5	574.2	580.1	578.7	563.5	545.6	517.3	478.7	423.2	88.3
35°	593.2	593.9	589.1	588.0	580.1	564.6	545.6	504.6	449.0	372.5	52.4
37.5°	595.6	596.0	588.4	578.7	567.0	548.7	526.0	478.4	394.2	323.5	27.9
40°	583.6	583.2	570.8	559.1	546.0	528.0	494.9	423.2	342.1	280.4	10.0
42.5°	565.6	561.1	549.4	534.9	519.1	496.6	444.9	357.3	297.3	224.5	0.7
45°	526.6	522.5	513.2	497.7	480.1	448.4	366.6	307.0	241.8	163.5	0.0
47.5°	400.4	398.3	408.0	410.1	409.7	373.5	305.9	250.4	177.6	95.2	0.0
50°	364.5	361.8	352.1	339.7	317.6	287.3	245.2	185.5	104.2	30.4	0.0
52.5°	261.8	270.7	272.8	263.5	242.8	212.8	169.0	106.9	36.2	0.0	0.0
55°	106.6	101.1	105.2	110.4	114.5	105.2	77.9	37.9	0.3	0.0	0.0
57.5°	0.0	0.3	2.1	4.8	7.9	10.0	10.7	0.7	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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):

	90°	112.5°	135°	157.5°	180°
0°	198.3	198.3	198.3	198.3	198.3
2.5°	199.0	168.3	138.6	122.4	114.5
5°	191.8	128.6	79.7	55.2	45.9
7.5°	179.7	88.3	31.7	13.1	9.3
10°	162.1	50.7	8.6	3.4	3.1
12.5°	136.9	23.1	3.1	2.4	2.4
15°	109.0	7.9	1.7	1.4	1.0
17.5°	76.6	2.1	0.7	0.0	0.0
20°	46.6	0.3	0.0	0.0	0.0
22.5°	25.9	0.0	0.0	0.0	0.0
25°	12.8	0.0	0.0	0.0	0.0
27.5°	5.5	0.0	0.0	0.0	0.0
30°	1.7	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.7	0.3	0.3	0.0	0.0
80°	0.7	0.3	0.3	0.0	0.0
82.5°	0.7	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.7	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)