

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: P1305895

Luminaire Tested: P3SQAS13R259024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

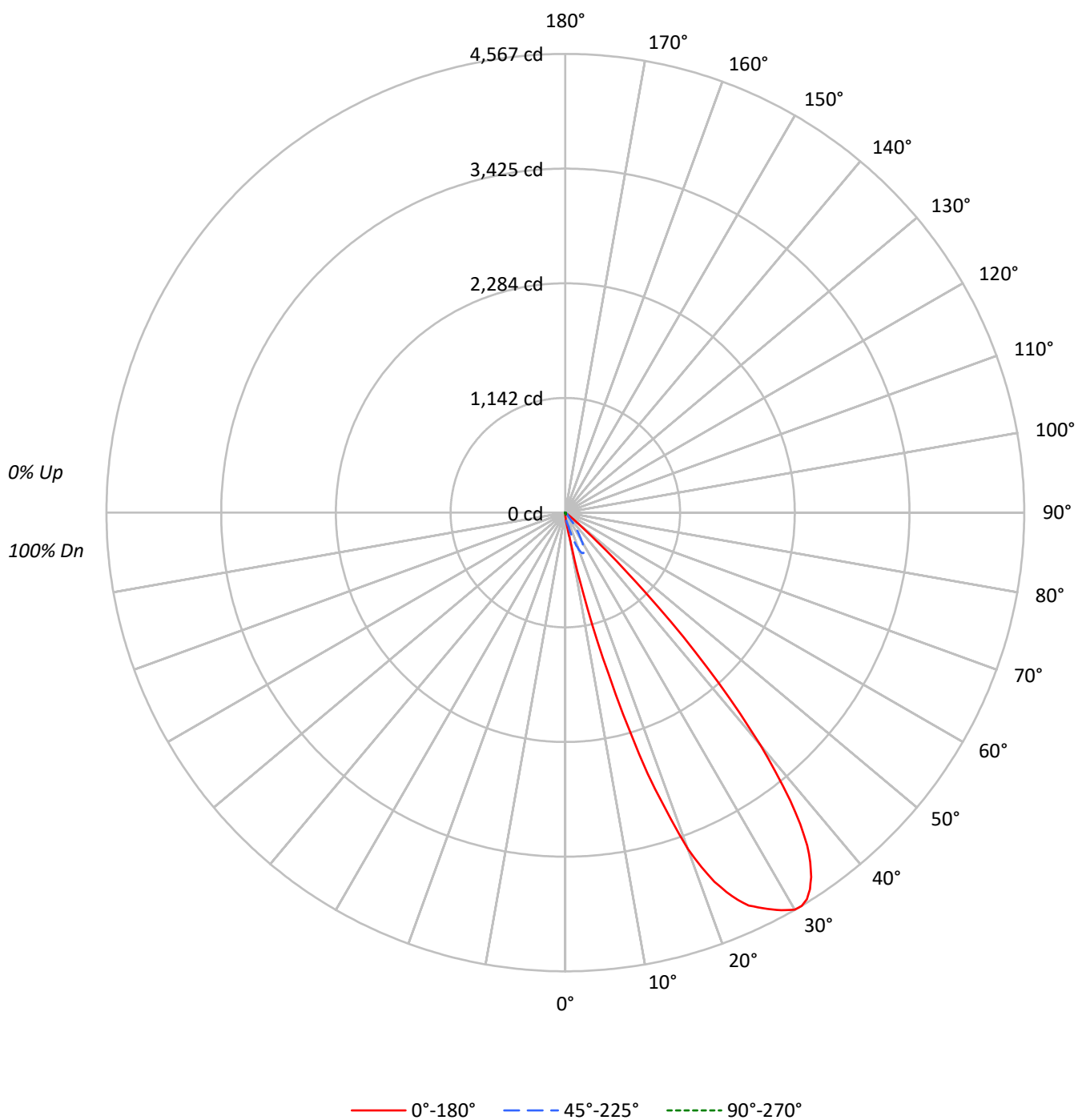
Lumens per Lamp: N/A
Luminaire Lumens: 895.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4874	4874	4874	4874	4874
5°	15265	10667	4443	2368	1781
10°	48127	19342	3305	297	0
15°	297579	36836	1979	0	0
20°	652479	71807	623	0	0
25°	820193	82586	0	0	0
30°	907941	63935	0	0	0
35°	893752	36225	0	0	0
40°	679341	9442	0	0	0
45°	275174	4165	0	0	0
50°	30544	455	0	0	0
55°	2312	0	270	0	0
60°	0	0	310	0	0
65°	0	0	693	0	0
70°	0	453	856	0	0
75°	0	599	1730	0	0
80°	0	893	2579	0	0
85°	0	1778	5138	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 275174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.5
10°-20°	92.4	10.3
20°-30°	323.2	36.1
30°-40°	360.5	40.3
40°-50°	108.9	12.2
50°-60°	3.6	0.4
60°-70°	0.5	0.1
70°-80°	0.8	0.1
80°-90°	0.7	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°	420.0	46.9
0°-40°	780.5	87.2
0°-60°	893.0	99.8
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	88	62	26	14	10	14
15°	1669	207	11	0	0	555
25°	4316	435	0	0	0	1969
35°	4251	172	0	0	0	2552
45°	1130	17	0	0	0	976
55°	8	0	1	0	0	24
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	48.9	50.6	49.7	50.6	49.7	49.7	49.7	50.6	49.7	49.7	49.7
5°	88.3	89.2	89.2	88.3	88.3	90.0	88.3	89.2	86.6	88.3	87.4
7.5°	144.9	143.2	143.2	144.0	144.0	142.3	141.4	139.7	141.4	141.4	138.9
10°	275.2	273.5	269.2	267.5	269.2	269.2	260.6	262.3	263.2	255.5	252.9
12.5°	808.4	802.4	814.4	795.5	784.4	766.4	776.7	741.5	733.8	728.6	716.6
15°	1669.0	1714.5	1694.7	1696.5	1699.9	1657.0	1671.6	1618.5	1573.9	1560.2	1550.7
17.5°	2721.7	2735.4	2717.4	2708.9	2705.4	2684.9	2660.0	2633.4	2599.1	2569.1	2544.3
20°	3560.1	3549.8	3518.9	3522.4	3485.5	3466.6	3445.2	3418.6	3392.1	3348.4	3306.3
21°	3781.3	3751.2	3752.1	3731.5	3730.7	3706.7	3669.0	3641.5	3617.5	3567.8	3541.2
22°	3963.0	3956.1	3940.7	3925.3	3909.0	3897.0	3855.0	3841.3	3792.4	3751.2	3713.5
23°	4104.4	4107.0	4093.3	4083.0	4060.7	4055.6	4001.6	3982.7	3949.3	3886.7	3848.1
24°	4221.9	4217.6	4202.2	4184.2	4171.3	4159.3	4118.1	4087.3	4050.4	3999.0	3961.3
25°	4316.2	4305.9	4295.6	4281.9	4261.3	4247.6	4205.6	4171.3	4139.6	4082.1	4030.7
26°	4371.9	4374.5	4358.2	4347.9	4329.9	4316.2	4272.4	4232.2	4192.7	4131.0	4084.7
27°	4428.5	4425.9	4411.3	4395.9	4377.0	4371.9	4321.3	4279.3	4239.0	4173.9	4119.0
28°	4480.8	4473.9	4461.9	4443.9	4423.3	4407.9	4359.0	4315.3	4271.6	4202.2	4142.1
29°	4524.5	4517.6	4509.9	4486.8	4460.2	4449.9	4397.6	4344.5	4300.7	4229.6	4166.2
30°	4565.6	4552.8	4534.8	4515.0	4489.3	4469.6	4414.7	4368.5	4317.0	4238.2	4177.3
31°	4567.3	4550.2	4537.3	4516.8	4487.6	4463.6	4406.2	4359.0	4299.0	4225.3	4159.3
32°	4537.3	4528.8	4508.2	4485.9	4457.6	4433.6	4370.2	4320.5	4263.9	4185.0	4119.0
33°	4469.6	4461.0	4449.0	4425.9	4389.0	4366.7	4310.2	4255.3	4199.6	4128.4	4053.0
34°	4376.2	4365.9	4350.5	4327.3	4289.6	4266.4	4221.0	4164.4	4105.3	4031.6	3961.3
35°	4251.0	4231.3	4227.0	4192.7	4157.6	4151.6	4097.6	4038.4	3978.4	3897.0	3836.1
36°	4095.9	4072.7	4057.3	4045.3	4022.1	3993.8	3940.7	3893.6	3816.4	3764.1	3678.4
37°	3884.1	3855.8	3870.4	3837.8	3801.8	3789.8	3722.1	3679.2	3614.1	3542.9	3470.1
38°	3637.2	3634.7	3631.2	3616.7	3554.9	3523.2	3494.9	3449.5	3392.9	3307.2	3208.6
39°	3325.2	3330.3	3312.3	3314.1	3283.2	3251.5	3212.1	3160.6	3092.0	3014.0	2934.3
40°	3021.7	2948.9	2961.7	2918.0	2920.6	2873.4	2822.0	2776.6	2732.9	2664.3	2555.4
42.5°	2090.8	2079.6	2041.1	2013.6	2025.6	1964.8	1897.1	1833.6	1772.8	1695.6	1600.5
45°	1129.8	1104.1	1111.8	1067.3	1067.3	1039.8	1021.0	967.8	911.2	876.1	821.2
47.5°	420.0	425.2	434.6	416.6	396.0	408.0	390.0	390.0	380.6	369.5	354.0
50°	114.0	115.7	114.0	114.0	111.4	109.7	106.3	105.4	104.6	102.0	97.7
52.5°	46.3	43.7	43.7	44.6	44.6	42.9	43.7	43.7	42.9	42.0	42.0
55°	7.7	8.6	8.6	8.6	8.6	7.7	7.7	8.6	9.4	8.6	8.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	48.0	42.0	35.1	29.1	23.1	19.7	18.0	18.9
5°	81.4	61.7	40.3	25.7	18.0	13.7	11.1	10.3
7.5°	125.2	84.9	45.4	22.3	13.7	6.9	4.3	3.4
10°	192.0	110.6	48.9	18.9	8.6	1.7	0.0	0.0
12.5°	492.9	135.4	49.7	15.4	3.4	0.0	0.0	0.0
15°	1013.2	206.6	48.0	11.1	0.9	0.0	0.0	0.0
17.5°	1684.5	316.3	42.0	7.7	0.0	0.0	0.0	0.0
20°	2336.8	391.8	33.4	3.4	0.0	0.0	0.0	0.0
21°	2533.1	414.0	30.0	2.6	0.0	0.0	0.0	0.0
22°	2693.4	430.3	26.6	1.7	0.0	0.0	0.0	0.0
23°	2827.2	438.9	23.1	0.9	0.0	0.0	0.0	0.0
24°	2920.6	440.6	21.4	0.9	0.0	0.0	0.0	0.0
25°	2965.2	434.6	18.9	0.0	0.0	0.0	0.0	0.0
26°	2982.3	422.6	17.1	0.0	0.0	0.0	0.0	0.0
27°	2969.5	407.2	15.4	0.0	0.0	0.0	0.0	0.0
28°	2946.3	384.0	12.9	0.0	0.0	0.0	0.0	0.0
29°	2900.9	353.2	11.1	0.0	0.0	0.0	0.0	0.0
30°	2857.2	321.5	9.4	0.0	0.0	0.0	0.0	0.0
31°	2807.4	293.2	7.7	0.0	0.0	0.0	0.0	0.0
32°	2746.6	260.6	6.0	0.0	0.0	0.0	0.0	0.0
33°	2645.4	230.6	4.3	0.0	0.0	0.0	0.0	0.0
34°	2504.0	202.3	3.4	0.0	0.0	0.0	0.0	0.0
35°	2314.5	172.3	2.6	0.0	0.0	0.0	0.0	0.0
36°	2107.1	140.6	1.7	0.0	0.0	0.0	0.0	0.0
37°	1853.3	102.0	1.7	0.0	0.0	0.0	0.0	0.0
38°	1588.5	64.3	0.9	0.0	0.0	0.0	0.0	0.0
39°	1317.6	48.9	0.9	0.0	0.0	0.0	0.0	0.0
40°	1069.8	42.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	572.6	28.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	337.7	17.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	188.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0
50°	67.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9.4	0.0	0.0	0.9	0.0	0.0	0.0	0.0
57.5°	0.9	0.0	0.9	0.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.9	1.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.7	1.7	0.9	0.0	0.0	0.0
67.5°	0.0	0.9	1.7	1.7	0.9	0.0	0.0	0.0
70°	0.0	0.9	1.7	1.7	0.9	0.0	0.0	0.0
72.5°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0
75°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0
77.5°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0
80°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0
85°	0.0	0.9	1.7	2.6	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	1.7	2.6	0.9	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)