

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: P1313389

Luminaire Tested: P3SQAS13R259730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313389
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: P3SQAS13R259730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

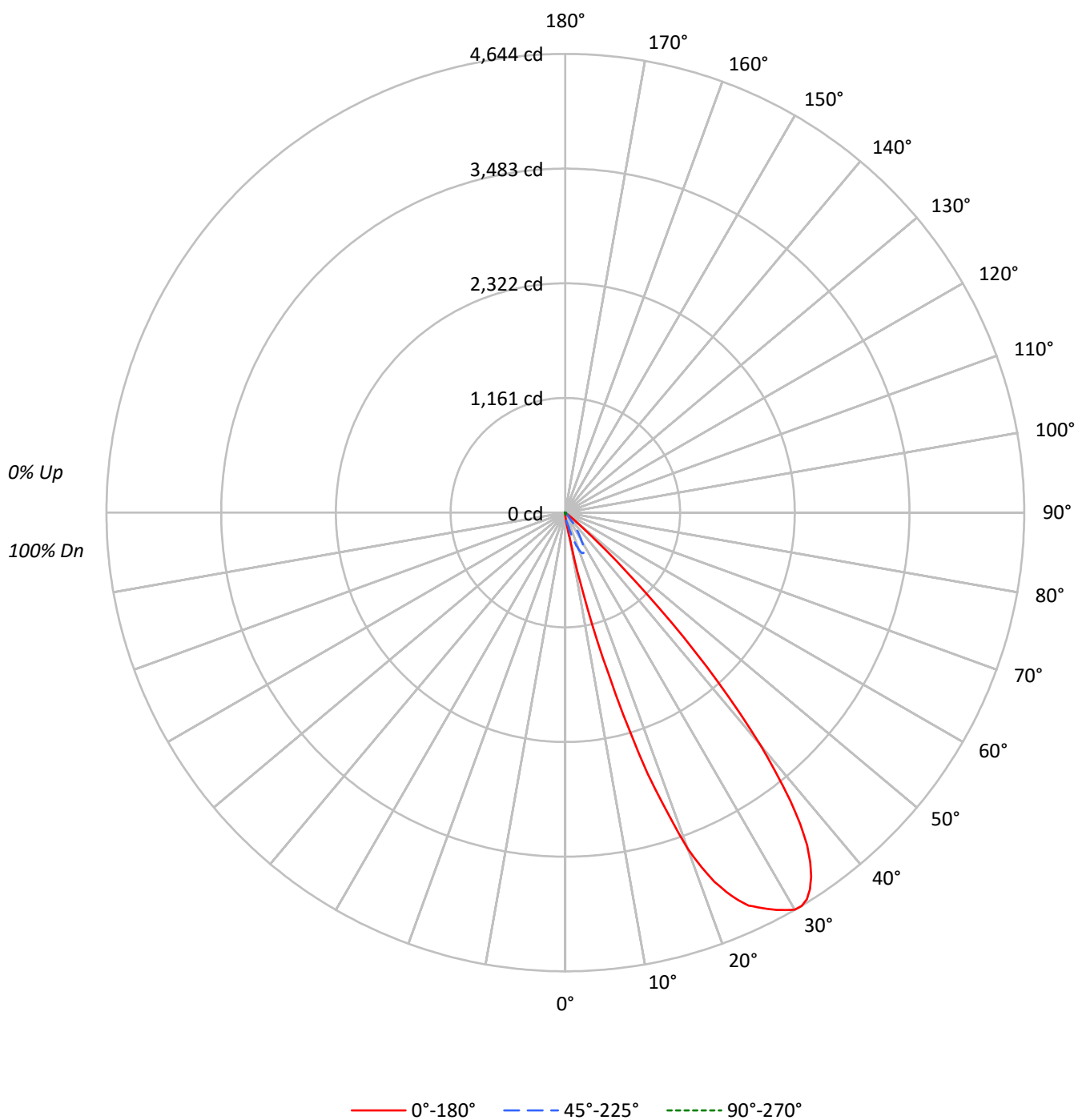
Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

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°	4960	4960	4960	4960	4960
5°	15525	10857	4512	2403	1815
10°	48931	19656	3358	297	0
15°	302572	37460	2015	0	0
20°	663421	72999	641	0	0
25°	833932	83973	0	0	0
30°	923154	64989	0	0	0
35°	908742	36835	0	0	0
40°	690739	9600	0	0	0
45°	279801	4238	0	0	0
50°	31053	455	0	0	0
55°	2342	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: 279801 cd/sqm

TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.5
10°-20°	94.0	10.3
20°-30°	328.6	36.1
30°-40°	366.5	40.3
40°-50°	110.7	12.2
50°-60°	3.7	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°	427.1	46.9
0°-40°	793.6	87.2
0°-60°	908.0	99.8
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	90	63	26	14	10	14
15°	1697	210	11	0	0	564
25°	4388	442	0	0	0	2002
35°	4322	175	0	0	0	2595
45°	1149	17	0	0	0	992
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	

TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
2.5°	49.7	51.4	50.6	51.4	50.6	50.6	50.6	51.4	50.6	50.6	50.6
5°	89.8	90.6	90.6	89.8	89.8	91.5	89.8	90.6	88.0	89.8	88.9
7.5°	147.3	145.6	145.6	146.4	146.4	144.7	143.8	142.1	143.8	143.8	141.2
10°	279.8	278.0	273.7	271.9	273.7	273.7	265.0	266.7	267.6	259.7	257.1
12.5°	821.9	815.8	828.0	808.8	797.5	779.2	789.7	753.9	746.1	740.9	728.7
15°	1697.0	1743.2	1723.2	1724.9	1728.4	1684.8	1699.6	1645.6	1600.3	1586.3	1576.7
17.5°	2767.3	2781.3	2763.0	2754.3	2750.8	2729.8	2704.6	2677.6	2642.7	2612.2	2586.9
20°	3619.8	3609.3	3577.9	3581.4	3543.9	3524.7	3503.0	3475.9	3448.9	3404.5	3361.8
21°	3844.6	3814.1	3815.0	3794.1	3793.2	3768.8	3730.4	3702.6	3678.2	3627.6	3600.6
22°	4029.4	4022.4	4006.7	3991.1	3974.5	3962.3	3919.6	3905.6	3856.0	3814.1	3775.8
23°	4173.2	4175.8	4161.9	4151.4	4128.8	4123.5	4068.6	4049.5	4015.5	3951.8	3912.6
24°	4292.6	4288.3	4272.6	4254.3	4241.2	4229.0	4187.2	4155.8	4118.3	4066.0	4027.7
25°	4388.5	4378.0	4367.6	4353.6	4332.7	4318.8	4276.1	4241.2	4209.0	4150.6	4098.3
26°	4445.2	4447.8	4431.2	4420.8	4402.4	4388.5	4344.1	4303.1	4263.0	4200.2	4153.2
27°	4502.7	4500.1	4485.3	4469.6	4450.4	4445.2	4393.7	4351.0	4310.1	4243.8	4188.0
28°	4555.9	4548.9	4536.7	4518.4	4497.5	4481.8	4432.1	4387.6	4343.2	4272.6	4211.6
29°	4600.3	4593.3	4585.5	4562.0	4534.9	4524.5	4471.3	4417.3	4372.8	4300.5	4236.0
30°	4642.1	4629.1	4610.8	4590.7	4564.6	4544.5	4488.7	4441.7	4389.4	4309.2	4247.3
31°	4643.9	4626.5	4613.4	4592.5	4562.8	4538.4	4480.0	4432.1	4371.1	4296.1	4229.0
32°	4613.4	4604.7	4583.7	4561.1	4532.3	4507.9	4443.4	4392.9	4335.3	4255.1	4188.0
33°	4544.5	4535.8	4523.6	4500.1	4462.6	4439.9	4382.4	4326.6	4270.0	4197.6	4120.9
34°	4449.5	4439.1	4423.4	4399.8	4361.5	4338.0	4291.8	4234.2	4174.1	4099.1	4027.7
35°	4322.3	4302.2	4297.9	4263.0	4227.3	4221.2	4166.2	4106.1	4045.1	3962.3	3900.4
36°	4164.5	4141.0	4125.3	4113.1	4089.5	4060.8	4006.7	3958.8	3880.4	3827.2	3740.0
37°	3949.2	3920.5	3935.3	3902.2	3865.5	3853.3	3784.5	3740.9	3674.7	3602.3	3528.2
38°	3698.2	3695.6	3692.1	3677.3	3614.5	3582.3	3553.5	3507.3	3449.8	3362.6	3262.4
39°	3380.9	3386.2	3367.9	3369.6	3338.2	3306.0	3265.9	3213.6	3143.9	3064.5	2983.5
40°	3072.4	2998.3	3011.4	2966.9	2969.5	2921.6	2869.3	2823.1	2778.7	2708.9	2598.2
42.5°	2125.8	2114.5	2075.3	2047.4	2059.6	1997.7	1928.8	1864.4	1802.5	1724.0	1627.3
45°	1148.8	1122.6	1130.5	1085.1	1085.1	1057.3	1038.1	984.0	926.5	890.8	835.0
47.5°	427.1	432.3	441.9	423.6	402.7	414.9	396.6	396.6	387.0	375.7	360.0
50°	115.9	117.7	115.9	115.9	113.3	111.6	108.1	107.2	106.3	103.7	99.4
52.5°	47.1	44.5	44.5	45.3	45.3	43.6	44.5	44.5	43.6	42.7	42.7
55°	7.8	8.7	8.7	8.7	8.7	7.8	7.8	8.7	9.6	8.7	8.7
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



TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

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

TEST NUMBER: P1313389

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
2.5°	48.8	42.7	35.7	29.6	23.5	20.0	18.3	19.2
5°	82.8	62.8	41.0	26.1	18.3	13.9	11.3	10.5
7.5°	127.3	86.3	46.2	22.7	13.9	7.0	4.4	3.5
10°	195.2	112.4	49.7	19.2	8.7	1.7	0.0	0.0
12.5°	501.2	137.7	50.6	15.7	3.5	0.0	0.0	0.0
15°	1030.2	210.1	48.8	11.3	0.9	0.0	0.0	0.0
17.5°	1712.7	321.6	42.7	7.8	0.0	0.0	0.0	0.0
20°	2376.0	398.3	34.0	3.5	0.0	0.0	0.0	0.0
21°	2575.6	421.0	30.5	2.6	0.0	0.0	0.0	0.0
22°	2738.6	437.5	27.0	1.7	0.0	0.0	0.0	0.0
23°	2874.5	446.3	23.5	0.9	0.0	0.0	0.0	0.0
24°	2969.5	448.0	21.8	0.9	0.0	0.0	0.0	0.0
25°	3014.9	441.9	19.2	0.0	0.0	0.0	0.0	0.0
26°	3032.3	429.7	17.4	0.0	0.0	0.0	0.0	0.0
27°	3019.2	414.0	15.7	0.0	0.0	0.0	0.0	0.0
28°	2995.7	390.5	13.1	0.0	0.0	0.0	0.0	0.0
29°	2949.5	359.1	11.3	0.0	0.0	0.0	0.0	0.0
30°	2905.0	326.8	9.6	0.0	0.0	0.0	0.0	0.0
31°	2854.5	298.1	7.8	0.0	0.0	0.0	0.0	0.0
32°	2792.6	265.0	6.1	0.0	0.0	0.0	0.0	0.0
33°	2689.8	234.5	4.4	0.0	0.0	0.0	0.0	0.0
34°	2545.9	205.7	3.5	0.0	0.0	0.0	0.0	0.0
35°	2353.3	175.2	2.6	0.0	0.0	0.0	0.0	0.0
36°	2142.4	142.9	1.7	0.0	0.0	0.0	0.0	0.0
37°	1884.4	103.7	1.7	0.0	0.0	0.0	0.0	0.0
38°	1615.1	65.4	0.9	0.0	0.0	0.0	0.0	0.0
39°	1339.6	49.7	0.9	0.0	0.0	0.0	0.0	0.0
40°	1087.8	42.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	582.2	28.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	343.4	17.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	191.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	68.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9.6	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)