

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: P1318298

Luminaire Tested: P3SQAS20R359835D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359835D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

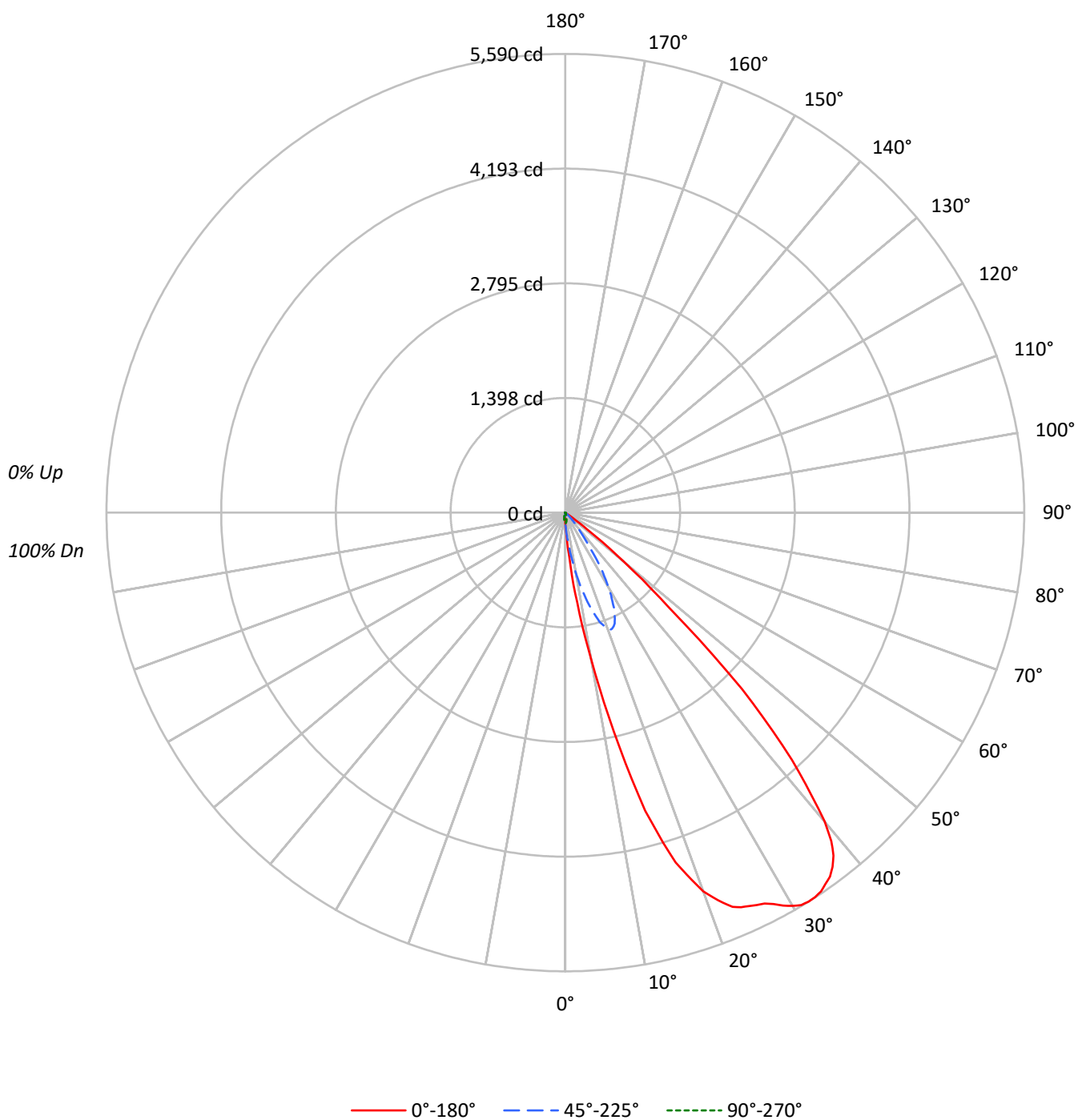
Lumens per Lamp: N/A
Luminaire Lumens: 1670.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 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	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	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	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21683	21683	21683	21683	21683
5°	94203	58399	20106	7157	4962
10°	317056	131789	15040	1679	560
15°	670953	216168	9378	0	0
20°	899626	276215	4380	0	0
25°	1005412	271263	912	0	0
30°	1100661	207834	0	0	0
35°	1161625	113217	0	0	0
40°	1104274	50854	0	0	0
45°	741152	22505	0	0	0
50°	247568	2143	0	0	0
55°	13392	0	0	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	2129	0	0
80°	0	1587	3174	0	0
85°	0	3162	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 741152 cd/sqm

TEST NUMBER: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	1.6
10°-20°	231.7	13.9
20°-30°	508.4	30.4
30°-40°	588.0	35.2
40°-50°	290.3	17.4
50°-60°	21.5	1.3
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	767.2	45.9
0°-40°	1355.2	81.1
0°-60°	1667.0	99.8
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	545	338	116	41	29	94
15°	3763	1212	53	0	0	1062
25°	5291	1428	5	0	0	2446
35°	5525	538	0	0	0	3412
45°	3043	92	0	0	0	2233
55°	45	0	0	0	0	182
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
2.5°	250.1	256.5	253.3	253.3	251.7	243.8	229.4	224.6	207.1	164.1	127.5
5°	544.9	546.5	541.7	517.8	497.1	478.0	436.5	417.4	337.8	200.7	116.3
7.5°	1105.7	1081.8	1051.5	1018.0	944.8	877.8	790.2	697.8	522.6	232.6	103.6
10°	1813.0	1779.6	1754.1	1674.4	1542.2	1405.2	1237.9	1086.5	753.6	254.9	86.0
12.5°	2725.9	2706.8	2616.0	2456.7	2260.7	2063.2	1771.6	1531.0	986.2	259.7	70.1
15°	3763.1	3731.2	3592.6	3366.4	3100.3	2789.7	2399.3	1994.7	1212.4	245.3	52.6
17.5°	4472.1	4454.5	4335.0	4097.7	3791.8	3396.7	2934.6	2429.6	1398.8	215.1	36.6
20°	4908.6	4883.1	4771.6	4570.8	4250.6	3838.0	3289.9	2706.8	1507.1	176.8	23.9
21°	5021.7	4996.2	4907.0	4698.3	4392.4	3949.5	3387.1	2773.7	1527.9	159.3	19.1
22°	5128.4	5103.0	5009.0	4824.1	4521.4	4059.4	3463.6	2824.7	1524.7	145.0	14.3
23°	5217.7	5190.6	5098.2	4927.7	4623.4	4156.6	3520.9	2850.2	1504.0	130.6	11.2
24°	5263.9	5247.9	5165.1	5004.2	4706.2	4225.1	3560.8	2859.8	1478.5	116.3	8.0
25°	5290.9	5271.8	5190.6	5042.4	4760.4	4279.3	3586.2	2851.8	1427.5	103.6	4.8
26°	5319.6	5290.9	5198.5	5055.2	4789.1	4304.8	3587.8	2831.1	1373.3	92.4	1.6
27°	5345.1	5318.0	5222.4	5064.7	4793.9	4296.8	3575.1	2791.2	1308.0	81.3	1.6
28°	5400.9	5370.6	5260.7	5085.4	4798.7	4276.1	3535.3	2737.1	1222.0	71.7	0.0
29°	5474.2	5442.3	5316.4	5134.8	4809.8	4253.8	3481.1	2665.4	1147.1	63.7	0.0
30°	5534.7	5506.0	5389.7	5196.9	4838.5	4233.1	3417.4	2568.2	1045.1	54.2	0.0
31°	5579.3	5550.6	5443.9	5249.5	4864.0	4214.0	3337.7	2467.8	952.7	47.8	0.0
32°	5590.5	5566.6	5466.2	5271.8	4864.0	4185.3	3264.4	2354.7	861.9	39.8	0.0
33°	5585.7	5561.8	5459.8	5255.9	4821.0	4116.8	3175.2	2219.3	758.4	35.0	0.0
34°	5568.2	5539.5	5431.1	5204.9	4736.5	4000.5	3046.2	2083.9	650.0	28.7	0.0
35°	5525.1	5499.7	5381.8	5109.3	4605.9	3823.6	2874.1	1927.7	538.5	23.9	0.0
36°	5483.7	5445.5	5300.5	4991.4	4433.8	3642.0	2668.6	1747.7	442.9	19.1	0.0
37°	5407.2	5353.1	5206.5	4821.0	4190.1	3385.5	2434.4	1550.2	371.2	14.3	0.0
38°	5305.3	5232.0	5045.6	4623.4	3944.7	3144.9	2214.5	1371.7	312.3	9.6	0.0
39°	5147.6	5061.5	4808.2	4352.6	3661.1	2866.1	1962.8	1182.1	266.1	6.4	0.0
40°	4911.8	4830.5	4550.1	4030.7	3379.1	2558.6	1704.7	968.7	226.2	3.2	0.0
42.5°	4089.7	3978.2	3653.2	3137.0	2498.1	1840.1	1128.0	538.5	149.8	0.0	0.0
45°	3043.0	2944.2	2625.6	2155.6	1664.9	1126.4	603.8	317.0	92.4	0.0	0.0
47.5°	1719.0	1707.9	1500.8	1237.9	928.8	599.0	305.9	191.2	39.8	0.0	0.0
50°	924.0	866.7	747.2	567.2	387.1	261.3	165.7	105.1	8.0	0.0	0.0
52.5°	337.8	326.6	274.0	227.8	175.2	119.5	84.4	46.2	0.0	0.0	0.0
55°	44.6	41.4	43.0	46.2	47.8	41.4	27.1	9.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	3.2	3.2	3.2	0.0	0.0	0.0	1.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2



TEST NUMBER: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
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: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	125.9	125.9	125.9	125.9
2.5°	97.2	74.9	63.7	62.1
5°	66.9	41.4	30.3	28.7
7.5°	46.2	20.7	14.3	12.7
10°	27.1	9.6	4.8	3.2
12.5°	15.9	1.6	0.0	0.0
15°	4.8	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.6	0.0	0.0	0.0
67.5°	1.6	0.0	0.0	0.0
70°	1.6	0.0	0.0	0.0
72.5°	1.6	0.0	0.0	0.0
75°	1.6	0.0	0.0	0.0
77.5°	1.6	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0



TEST NUMBER: P1318298

CATALOG NUMBER: P3SQAS20R359835D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.6	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)