

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: P1314697

Luminaire Tested: P3SQAS20R359735D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314697
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: P3SQAS20R359735D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

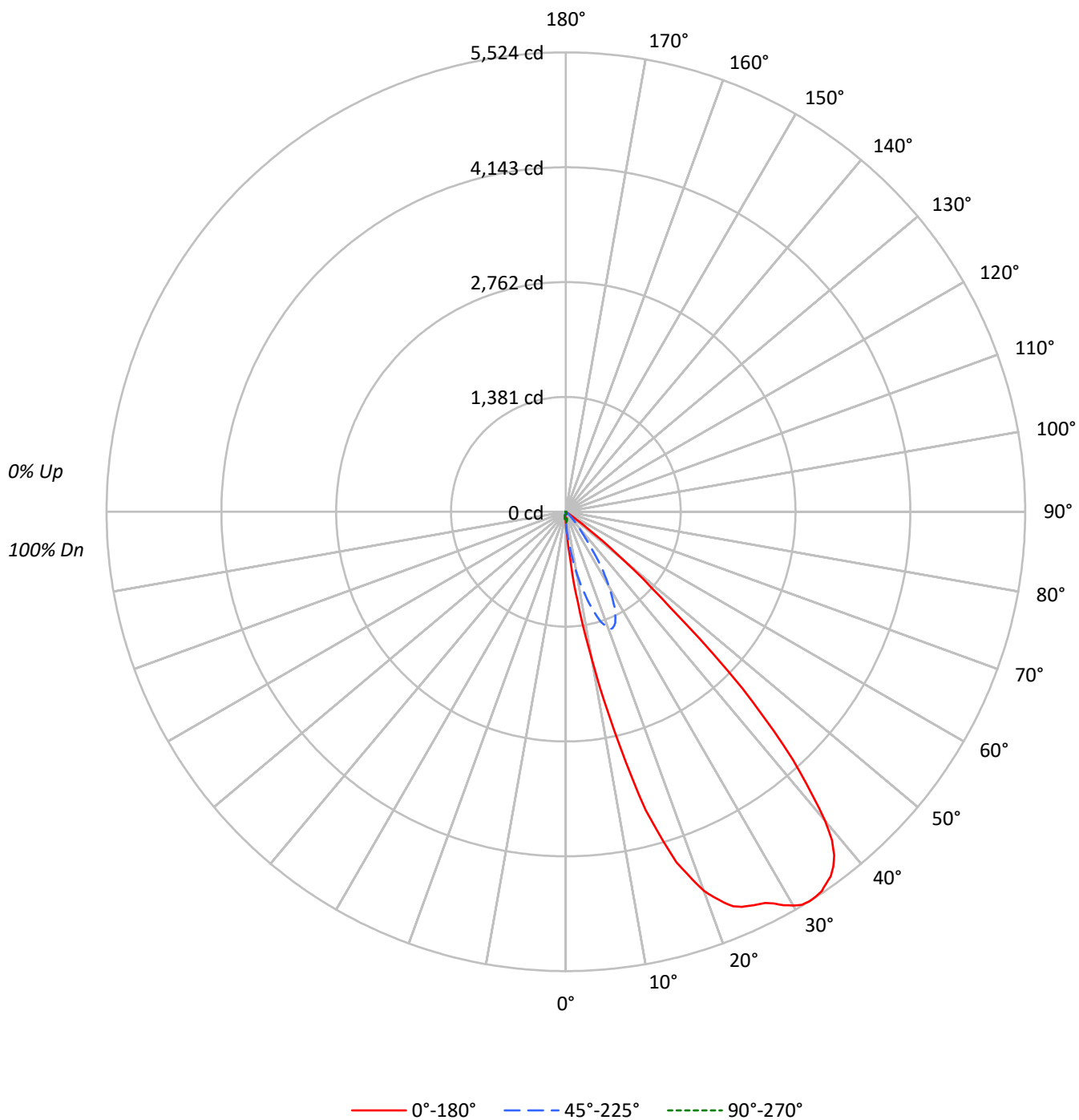
Lumens per Lamp: N/A
Luminaire Lumens: 1650.0 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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°	21424	21424	21424	21424	21424
5°	93062	57690	19864	7071	4893
10°	313262	130198	14865	1644	542
15°	662912	213583	9254	0	0
20°	888850	272916	4325	0	0
25°	993383	268014	893	0	0
30°	1087477	205349	0	0	0
35°	1147728	111850	0	0	0
40°	1091032	50247	0	0	0
45°	732262	22237	0	0	0
50°	244621	2117	0	0	0
55°	13242	0	0	0	0
60°	0	0	551	0	0
65°	0	0	1263	0	0
70°	0	806	1561	0	0
75°	0	1065	2063	0	0
80°	0	1587	3075	0	0
85°	0	3162	6126	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 732262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	1.6
10°-20°	228.9	13.9
20°-30°	502.3	30.4
30°-40°	581.0	35.2
40°-50°	286.8	17.4
50°-60°	21.2	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°	758.0	45.9
0°-40°	1339.0	81.2
0°-60°	1647.0	99.8
0°-90°	1650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1650.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	538	334	115	41	28	93
15°	3718	1198	52	0	0	1049
25°	5228	1410	5	0	0	2417
35°	5459	532	0	0	0	3371
45°	3006	91	0	0	0	2207
55°	44	0	0	0	0	180
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
2.5°	247.1	253.4	250.3	250.3	248.7	240.8	226.7	221.9	204.6	162.1	125.9
5°	538.3	539.9	535.2	511.6	491.1	472.2	431.3	412.4	333.7	198.3	114.9
7.5°	1092.4	1068.8	1038.9	1005.8	933.4	867.3	780.8	689.5	516.3	229.8	102.3
10°	1791.3	1758.3	1733.1	1654.4	1523.7	1388.4	1223.1	1073.5	744.5	251.9	85.0
12.5°	2693.3	2674.4	2584.7	2427.3	2233.6	2038.5	1750.4	1512.7	974.4	256.6	69.3
15°	3718.0	3686.5	3549.6	3326.1	3063.2	2756.2	2370.6	1970.8	1197.9	242.4	51.9
17.5°	4418.5	4401.2	4283.1	4048.6	3746.4	3356.0	2899.5	2400.5	1382.1	212.5	36.2
20°	4849.8	4824.6	4714.4	4516.1	4199.7	3792.0	3250.5	2674.4	1489.1	174.7	23.6
21°	4961.6	4936.4	4848.2	4642.0	4339.8	3902.2	3346.5	2740.5	1509.6	157.4	18.9
22°	5067.0	5041.8	4949.0	4766.4	4467.3	4010.8	3422.1	2790.9	1506.4	143.2	14.2
23°	5155.2	5128.4	5037.1	4868.7	4568.0	4106.8	3478.8	2816.1	1485.9	129.1	11.0
24°	5200.8	5185.1	5103.2	4944.2	4649.9	4174.5	3518.1	2825.5	1460.8	114.9	7.9
25°	5227.6	5208.7	5128.4	4982.0	4703.4	4228.0	3543.3	2817.6	1410.4	102.3	4.7
26°	5255.9	5227.6	5136.3	4994.6	4731.7	4253.2	3544.9	2797.2	1356.9	91.3	1.6
27°	5281.1	5254.3	5159.9	5004.1	4736.5	4245.3	3532.3	2757.8	1292.3	80.3	1.6
28°	5336.2	5306.3	5197.7	5024.5	4741.2	4224.9	3492.9	2704.3	1207.3	70.8	0.0
29°	5408.6	5377.1	5252.8	5073.3	4752.2	4202.8	3439.4	2633.5	1133.4	63.0	0.0
30°	5468.4	5440.1	5325.2	5134.7	4780.5	4182.4	3376.4	2537.4	1032.6	53.5	0.0
31°	5512.5	5484.2	5378.7	5186.7	4805.7	4163.5	3297.7	2438.3	941.3	47.2	0.0
32°	5523.5	5499.9	5400.7	5208.7	4805.7	4135.2	3225.3	2326.5	851.6	39.4	0.0
33°	5518.8	5495.2	5394.4	5193.0	4763.2	4067.5	3137.2	2192.7	749.3	34.6	0.0
34°	5501.5	5473.1	5366.1	5142.6	4679.8	3952.6	3009.7	2058.9	642.2	28.3	0.0
35°	5459.0	5433.8	5317.3	5048.1	4550.7	3777.8	2839.7	1904.7	532.0	23.6	0.0
36°	5418.0	5380.3	5237.0	4931.7	4380.7	3598.4	2636.6	1726.8	437.6	18.9	0.0
37°	5342.5	5289.0	5144.2	4763.2	4139.9	3345.0	2405.2	1531.6	366.8	14.2	0.0
38°	5241.7	5169.3	4985.2	4568.0	3897.5	3107.3	2188.0	1355.3	308.5	9.4	0.0
39°	5085.9	5000.9	4750.6	4300.4	3617.3	2831.8	1939.3	1168.0	262.9	6.3	0.0
40°	4852.9	4772.7	4495.6	3982.5	3338.7	2528.0	1684.3	957.1	223.5	3.1	0.0
42.5°	4040.7	3930.5	3609.4	3099.4	2468.2	1818.1	1114.5	532.0	148.0	0.0	0.0
45°	3006.5	2908.9	2594.1	2129.8	1644.9	1112.9	596.6	313.2	91.3	0.0	0.0
47.5°	1698.5	1687.4	1482.8	1223.1	917.7	591.9	302.2	188.9	39.4	0.0	0.0
50°	913.0	856.3	738.3	560.4	382.5	258.2	163.7	103.9	7.9	0.0	0.0
52.5°	333.7	322.7	270.7	225.1	173.2	118.1	83.4	45.6	0.0	0.0	0.0
55°	44.1	40.9	42.5	45.6	47.2	40.9	26.8	9.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	3.1	3.1	3.1	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	3.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1



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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	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
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):

	112.5°	135°	157.5°	180°
0°	124.4	124.4	124.4	124.4
2.5°	96.0	74.0	63.0	61.4
5°	66.1	40.9	29.9	28.3
7.5°	45.6	20.5	14.2	12.6
10°	26.8	9.4	4.7	3.1
12.5°	15.7	1.6	0.0	0.0
15°	4.7	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



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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)