

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: P1317423

Luminaire Tested: P3SQAS20R359830D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359830D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

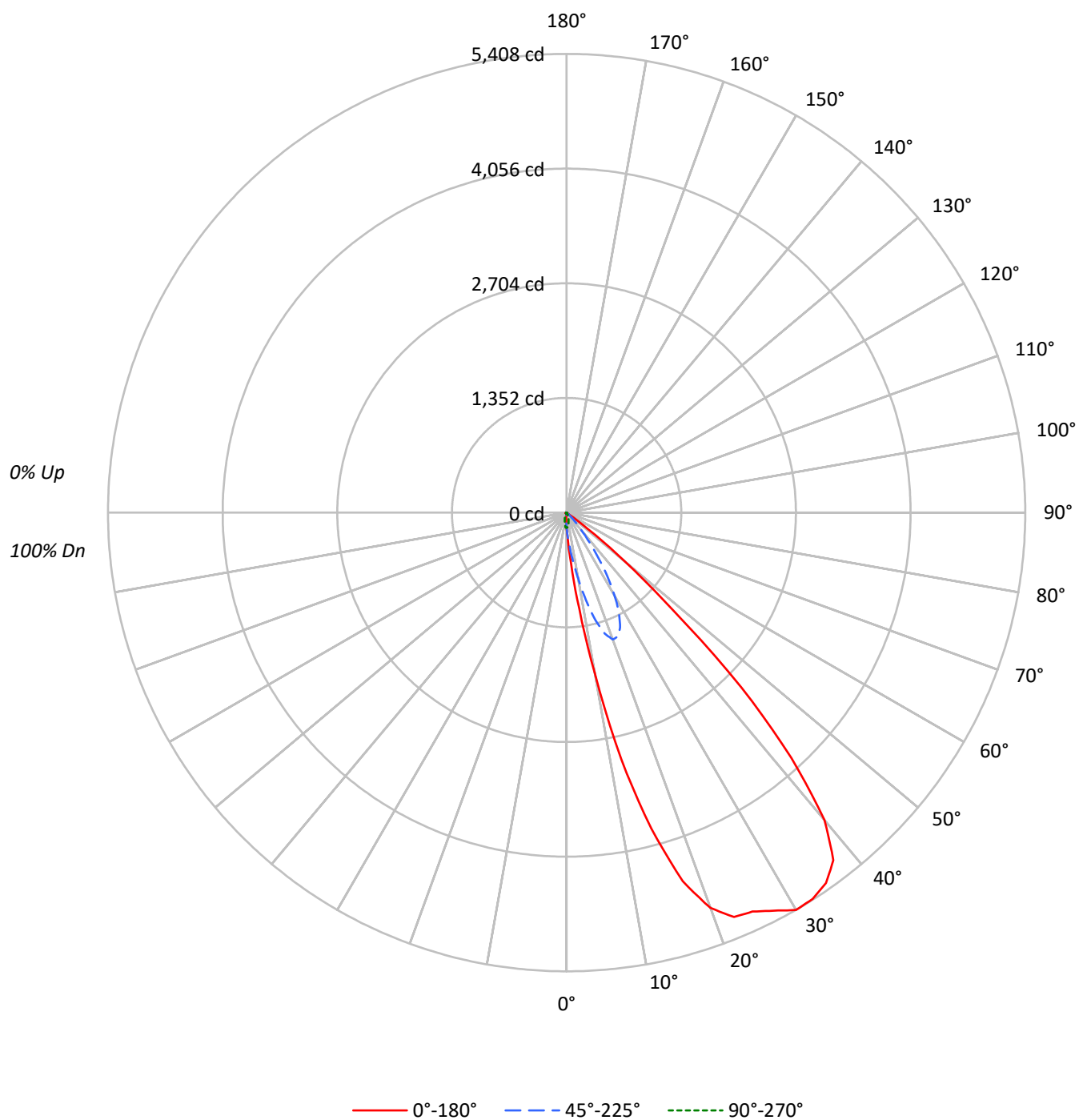
Lumens per Lamp: N/A
Luminaire Lumens: 1701.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	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	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	30776	30776	30776	30776	30776
5°	104800	68098	28767	12136	8972
10°	337255	138050	22699	4547	2938
15°	687160	234141	16065	1640	1088
20°	908662	291610	10355	568	568
25°	985953	283482	5796	285	589
30°	1075545	225911	2426	298	616
35°	1120711	140612	652	315	652
40°	1063492	61443	337	697	1034
45°	709952	24551	365	1120	1851
50°	238110	4099	831	1634	2465
55°	13302	450	931	2282	3213
60°	1068	517	1584	2618	3686
65°	1263	611	1875	3097	4360
70°	755	755	2316	3827	4633
75°	998	998	3061	4059	5057
80°	0	1488	4562	4562	4562
85°	0	2964	9090	2964	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 709952 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.8
10°-20°	244.3	14.4
20°-30°	515.6	30.3
30°-40°	585.0	34.4
40°-50°	287.9	16.9
50°-60°	25.0	1.5
60°-70°	5.1	0.3
70°-80°	4.7	0.3
80°-90°	2.3	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°	790.9	46.5
0°-40°	1376.0	80.9
0°-60°	1688.9	99.3
0°-90°	1701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1701.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	179	179	179	179	179	
5°	606	394	166	70	52	100
15°	3854	1313	90	9	6	1096
25°	5188	1492	30	2	3	2414
35°	5330	669	3	2	3	3285
45°	2915	101	2	5	8	2154
55°	44	2	3	8	11	174
65°	3	2	5	8	11	2
75°	2	2	5	6	8	1
85°	0	2	5	2	3	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°	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7	178.7
2.5°	310.0	317.6	314.5	313.0	311.5	305.4	291.6	290.1	276.4	267.2	221.4
5°	606.2	594.0	597.0	580.2	558.9	528.3	508.5	465.7	430.6	393.9	258.1
7.5°	1142.1	1125.3	1093.3	1044.4	994.0	928.4	829.1	749.7	658.1	571.1	287.1
10°	1928.5	1919.3	1878.1	1752.9	1643.0	1467.4	1302.5	1128.4	957.4	789.4	306.9
12.5°	2979.0	2916.4	2841.6	2675.2	2458.3	2238.5	1913.2	1612.4	1339.1	1058.2	308.4
15°	3854.0	3814.3	3708.9	3492.1	3231.0	2913.4	2527.1	2122.4	1710.2	1313.2	293.2
17.5°	4557.9	4496.8	4360.9	4148.7	3847.8	3435.6	2983.6	2490.4	1988.1	1494.9	267.2
20°	4957.9	4925.9	4822.0	4609.8	4281.5	3831.1	3316.5	2742.4	2162.1	1591.1	233.6
22.5°	5159.5	5136.6	5060.2	4890.7	4583.8	4130.3	3540.9	2873.7	2212.5	1580.4	198.5
25°	5188.5	5182.4	5116.7	4988.5	4731.9	4283.0	3638.7	2898.1	2171.3	1491.8	164.9
27.5°	5289.3	5267.9	5190.0	5061.8	4803.7	4309.0	3605.1	2814.1	2038.4	1336.1	137.4
30°	5408.4	5393.1	5315.2	5182.4	4877.0	4284.6	3486.0	2627.8	1826.2	1136.0	102.3
32.5°	5399.2	5393.1	5327.4	5187.0	4825.1	4141.0	3273.7	2348.4	1537.6	896.3	64.1
35°	5330.5	5309.1	5226.7	5009.8	4528.9	3771.5	2870.6	1969.7	1217.0	668.8	41.2
37.5°	5165.6	5119.8	4980.8	4612.8	3999.0	3202.0	2337.7	1520.8	861.2	447.4	26.0
40°	4730.4	4672.4	4393.0	3948.6	3305.8	2522.5	1739.2	1045.9	568.0	273.3	10.7
42.5°	3924.2	3806.6	3527.2	3070.6	2467.5	1783.4	1142.1	678.0	334.4	164.9	3.1
45°	2914.9	2824.8	2531.6	2117.8	1617.0	1143.7	691.7	366.5	184.8	100.8	1.5
47.5°	1697.9	1643.0	1491.8	1220.0	893.3	600.1	354.2	197.0	108.4	48.9	1.5
50°	888.7	820.0	705.4	534.4	393.9	276.4	172.5	105.4	53.4	15.3	1.5
52.5°	311.5	306.9	279.4	210.7	171.0	123.7	84.0	45.8	15.3	3.1	1.5
55°	44.3	44.3	41.2	45.8	48.9	44.3	29.0	12.2	3.1	1.5	1.5
57.5°	3.1	3.1	3.1	4.6	6.1	6.1	4.6	1.5	1.5	1.5	3.1
60°	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
62.5°	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
65°	3.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
77.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	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):

	90°	112.5°	135°	157.5°	180°
0°	178.7	178.7	178.7	178.7	178.7
2.5°	177.1	142.0	113.0	99.3	94.7
5°	166.4	106.9	70.2	55.0	51.9
7.5°	148.1	76.3	42.8	30.5	29.0
10°	129.8	55.0	26.0	18.3	16.8
12.5°	108.4	38.2	16.8	10.7	9.2
15°	90.1	26.0	9.2	7.6	6.1
17.5°	71.8	16.8	6.1	4.6	6.1
20°	56.5	10.7	3.1	3.1	3.1
22.5°	42.8	6.1	3.1	3.1	3.1
25°	30.5	3.1	1.5	1.5	3.1
27.5°	21.4	1.5	1.5	1.5	3.1
30°	12.2	1.5	1.5	1.5	3.1
32.5°	6.1	1.5	1.5	3.1	3.1
35°	3.1	1.5	1.5	3.1	3.1
37.5°	1.5	1.5	1.5	3.1	4.6
40°	1.5	1.5	3.1	4.6	4.6
42.5°	1.5	1.5	3.1	4.6	6.1
45°	1.5	3.1	4.6	6.1	7.6
47.5°	3.1	3.1	6.1	7.6	9.2
50°	3.1	4.6	6.1	9.2	9.2
52.5°	3.1	4.6	7.6	9.2	10.7
55°	3.1	6.1	7.6	10.7	10.7
57.5°	4.6	6.1	7.6	10.7	10.7
60°	4.6	6.1	7.6	10.7	10.7
62.5°	4.6	6.1	7.6	10.7	10.7
65°	4.6	6.1	7.6	10.7	10.7
67.5°	4.6	6.1	7.6	9.2	10.7
70°	4.6	6.1	7.6	9.2	9.2
72.5°	6.1	6.1	7.6	9.2	9.2
75°	4.6	6.1	6.1	7.6	7.6
77.5°	4.6	4.6	4.6	6.1	6.1
80°	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	3.1	3.1	4.6	4.6
85°	4.6	3.1	1.5	3.1	3.1
87.5°	3.1	3.1	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)