

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: P1318299

Luminaire Tested: P3SQAS20R359835D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318299
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: P3SQAS20R359835D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

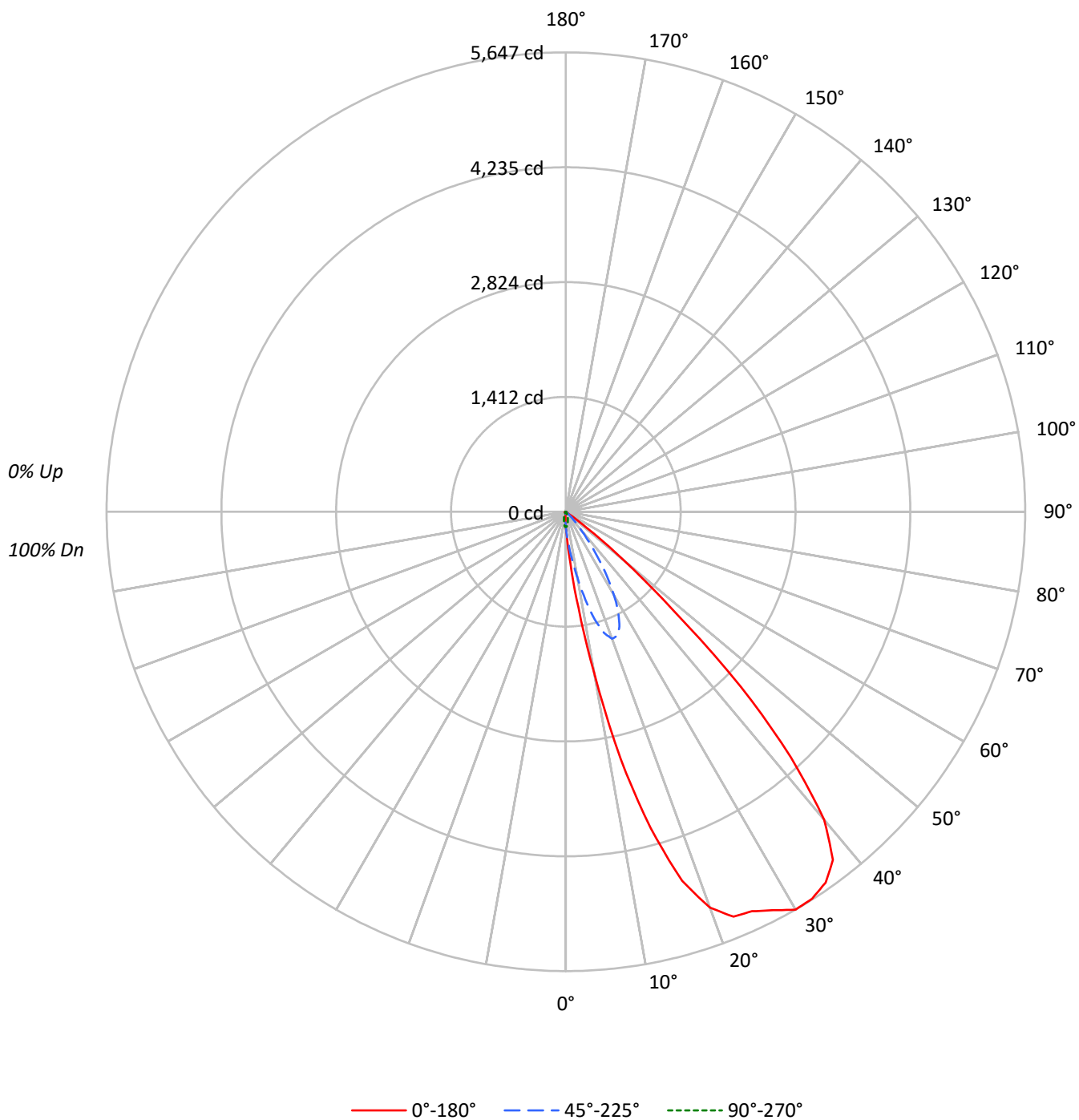
Lumens per Lamp: N/A
Luminaire Lumens: 1776.1 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32120	32120	32120	32120	32120
5°	109416	71106	30047	12672	9370
10°	352120	144136	23696	4739	3060
15°	717453	244464	16778	1712	1141
20°	948726	304457	10813	586	586
25°	1029431	295986	6062	304	608
30°	1122954	235874	2545	318	636
35°	1170119	146814	673	336	673
40°	1110389	64164	360	719	1079
45°	741249	25622	390	1169	1948
50°	248613	4260	857	1715	2572
55°	13872	480	961	2402	3363
60°	1102	551	1653	2756	3858
65°	1304	652	1956	3260	4564
70°	806	806	2417	4028	4834
75°	1065	1065	3194	4259	5323
80°	0	1587	4761	4761	4761
85°	0	3162	9485	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 741249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	1.8
10°-20°	255.1	14.4
20°-30°	538.4	30.3
30°-40°	610.8	34.4
40°-50°	300.6	16.9
50°-60°	26.1	1.5
60°-70°	5.3	0.3
70°-80°	4.9	0.3
80°-90°	2.4	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°	825.8	46.5
0°-40°	1436.7	80.9
0°-60°	1763.4	99.3
0°-90°	1776.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	186	186	186	186	186	
5°	633	411	174	73	54	104
15°	4024	1371	94	10	6	1144
25°	5417	1558	32	2	3	2521
35°	5566	698	3	2	3	3430
45°	3043	105	2	5	8	2249
55°	46	2	3	8	11	181
65°	3	2	5	8	11	3
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°	186.5	186.5	186.5	186.5	186.5	186.5	186.5	186.5	186.5	186.5	186.5
2.5°	323.6	331.6	328.4	326.8	325.2	318.8	304.5	302.9	288.6	279.0	231.2
5°	632.9	620.2	623.4	605.8	583.5	551.6	530.9	486.2	449.6	411.3	269.4
7.5°	1192.5	1175.0	1141.5	1090.5	1037.9	969.3	865.7	782.8	687.1	596.2	299.7
10°	2013.5	2004.0	1960.9	1830.2	1715.4	1532.1	1359.9	1178.2	999.6	824.2	320.4
12.5°	3110.4	3045.0	2966.9	2793.1	2566.7	2337.2	1997.6	1683.5	1398.2	1104.8	322.0
15°	4023.9	3982.4	3872.4	3646.0	3373.4	3041.8	2638.5	2216.0	1785.6	1371.1	306.1
17.5°	4758.8	4695.1	4553.2	4331.6	4017.5	3587.1	3115.2	2600.2	2075.7	1560.8	279.0
20°	5176.5	5143.0	5034.6	4813.0	4470.3	4000.0	3462.7	2863.3	2257.5	1661.2	243.9
22.5°	5387.0	5363.1	5283.3	5106.4	4785.9	4312.4	3697.1	3000.4	2310.1	1650.0	207.3
25°	5417.3	5410.9	5342.3	5208.4	4940.6	4471.9	3799.1	3025.9	2267.0	1557.6	172.2
27.5°	5522.5	5500.2	5418.9	5284.9	5015.5	4499.0	3764.0	2938.2	2128.3	1395.0	143.5
30°	5646.8	5630.9	5549.6	5410.9	5092.0	4473.5	3639.7	2743.7	1906.7	1186.1	106.8
32.5°	5637.3	5630.9	5562.3	5415.7	5037.8	4323.6	3418.1	2452.0	1605.4	935.8	67.0
35°	5565.5	5543.2	5457.1	5230.7	4728.5	3937.8	2997.2	2056.6	1270.6	698.3	43.0
37.5°	5393.3	5345.5	5200.4	4816.2	4175.3	3343.1	2440.8	1587.9	899.2	467.1	27.1
40°	4939.0	4878.4	4586.7	4122.7	3451.5	2633.7	1815.8	1092.1	593.1	285.4	11.2
42.5°	4097.2	3974.5	3682.7	3206.0	2576.3	1862.1	1192.5	707.8	349.1	172.2	3.2
45°	3043.4	2949.4	2643.3	2211.2	1688.3	1194.1	722.2	382.6	192.9	105.2	1.6
47.5°	1772.8	1715.4	1557.6	1273.8	932.6	626.5	369.9	205.7	113.2	51.0	1.6
50°	927.9	856.1	736.5	558.0	411.3	288.6	180.2	110.0	55.8	15.9	1.6
52.5°	325.2	320.4	291.7	220.0	178.6	129.1	87.7	47.8	15.9	3.2	1.6
55°	46.2	46.2	43.0	47.8	51.0	46.2	30.3	12.8	3.2	1.6	1.6
57.5°	3.2	3.2	3.2	4.8	6.4	6.4	4.8	1.6	1.6	1.6	3.2
60°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
62.5°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
65°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8
77.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	186.5	186.5	186.5	186.5	186.5
2.5°	184.9	148.3	118.0	103.6	98.8
5°	173.8	111.6	73.3	57.4	54.2
7.5°	154.6	79.7	44.6	31.9	30.3
10°	135.5	57.4	27.1	19.1	17.5
12.5°	113.2	39.9	17.5	11.2	9.6
15°	94.1	27.1	9.6	8.0	6.4
17.5°	74.9	17.5	6.4	4.8	6.4
20°	59.0	11.2	3.2	3.2	3.2
22.5°	44.6	6.4	3.2	3.2	3.2
25°	31.9	3.2	1.6	1.6	3.2
27.5°	22.3	1.6	1.6	1.6	3.2
30°	12.8	1.6	1.6	1.6	3.2
32.5°	6.4	1.6	1.6	3.2	3.2
35°	3.2	1.6	1.6	3.2	3.2
37.5°	1.6	1.6	1.6	3.2	4.8
40°	1.6	1.6	3.2	4.8	4.8
42.5°	1.6	1.6	3.2	4.8	6.4
45°	1.6	3.2	4.8	6.4	8.0
47.5°	3.2	3.2	6.4	8.0	9.6
50°	3.2	4.8	6.4	9.6	9.6
52.5°	3.2	4.8	8.0	9.6	11.2
55°	3.2	6.4	8.0	11.2	11.2
57.5°	4.8	6.4	8.0	11.2	11.2
60°	4.8	6.4	8.0	11.2	11.2
62.5°	4.8	6.4	8.0	11.2	11.2
65°	4.8	6.4	8.0	11.2	11.2
67.5°	4.8	6.4	8.0	9.6	11.2
70°	4.8	6.4	8.0	9.6	9.6
72.5°	6.4	6.4	8.0	9.6	9.6
75°	4.8	6.4	6.4	8.0	8.0
77.5°	4.8	4.8	4.8	6.4	6.4
80°	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	3.2	3.2	4.8	4.8
85°	4.8	3.2	1.6	3.2	3.2
87.5°	3.2	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)