

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: P1309459

Luminaire Tested: P3SQAS20R409035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R409035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

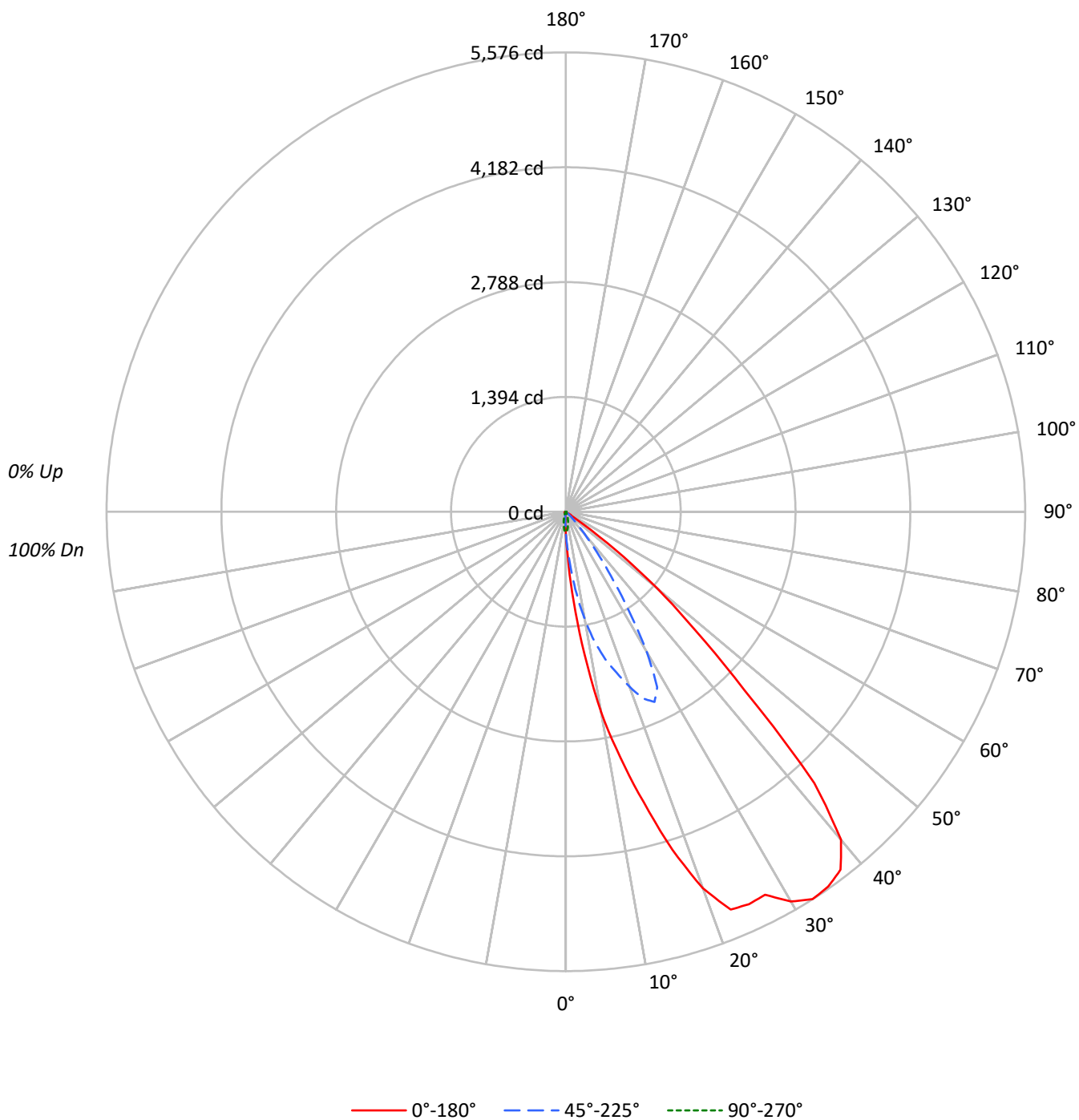
Lumens per Lamp: N/A
Luminaire Lumens: 2057.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41919	41919	41919	41919	41919
5°	189045	120532	37567	14418	10511
10°	433561	232887	26459	5176	3952
15°	650645	330440	16421	2781	2478
20°	890902	414221	9567	1594	1906
25°	998704	483998	4960	1330	1653
30°	1086303	390671	2068	1034	1730
35°	1167470	199943	736	1472	2187
40°	1167899	79744	382	1574	2743
45°	745682	26670	852	2533	3800
50°	387080	3269	1393	3269	4662
55°	33419	510	1561	4174	5735
60°	1206	586	1791	4788	6579
65°	1426	693	2853	4972	7091
70°	856	856	3525	5237	6999
75°	1131	1131	3460	5789	8118
80°	1686	1686	5157	5157	6943
85°	0	3359	10275	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 745682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	2.3
10°-20°	278.4	13.5
20°-30°	609.8	29.6
30°-40°	694.6	33.8
40°-50°	366.5	17.8
50°-60°	43.2	2.1
60°-70°	7.8	0.4
70°-80°	6.4	0.3
80°-90°	2.9	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°	935.6	45.5
0°-40°	1630.2	79.3
0°-60°	2039.9	99.2
0°-90°	2057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	243	243	243	243	243	
5°	1094	697	217	83	61	147
15°	3649	1853	92	16	14	1075
25°	5256	2547	26	7	9	2422
35°	5553	951	4	7	10	3442
45°	3062	110	4	10	16	2468
55°	111	2	5	14	19	345
65°	4	2	7	12	17	3
75°	2	2	5	9	12	2
85°	0	2	5	4	4	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°	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4	243.4
2.5°	542.4	542.4	540.7	525.0	523.3	521.6	493.7	486.8	453.8	431.2	328.6
5°	1093.5	1069.2	1067.5	1039.6	992.7	930.1	890.1	825.8	763.2	697.2	405.1
7.5°	1742.0	1762.9	1705.5	1676.0	1571.6	1496.9	1382.1	1281.3	1140.5	1008.4	467.7
10°	2479.2	2442.6	2385.3	2327.9	2214.9	2081.0	1910.7	1731.6	1528.2	1331.7	502.4
12.5°	3054.6	3007.7	2972.9	2894.7	2783.4	2611.3	2407.9	2168.0	1898.5	1615.1	500.7
15°	3649.2	3602.3	3524.0	3454.5	3289.3	3096.3	2875.5	2559.1	2228.8	1853.3	464.2
17.5°	4302.9	4242.0	4155.1	4049.1	3889.1	3675.3	3395.4	3009.4	2541.7	2048.0	398.1
20°	4861.0	4824.4	4737.5	4612.3	4455.9	4247.3	3923.9	3496.2	2926.0	2260.1	316.4
22.5°	5226.1	5193.0	5133.9	5024.4	4906.2	4683.6	4388.1	3918.7	3247.6	2453.1	239.9
25°	5255.6	5241.7	5226.1	5189.5	5118.3	4960.1	4671.5	4165.5	3447.5	2547.0	177.3
27.5°	5240.0	5234.7	5231.3	5212.1	5165.2	5008.7	4713.2	4202.1	3421.4	2400.9	130.4
30°	5462.5	5446.8	5438.2	5375.6	5252.1	5010.5	4624.5	4005.6	3040.7	1964.5	93.9
32.5°	5575.5	5572.0	5563.3	5502.5	5328.6	5013.9	4475.0	3531.0	2411.4	1418.6	64.3
35°	5552.9	5535.5	5504.2	5391.2	5149.6	4754.9	3991.7	2819.9	1740.3	951.0	41.7
37.5°	5476.4	5436.4	5375.6	5172.2	4850.5	4311.6	3237.2	2075.8	1183.9	615.4	24.3
40°	5194.8	5140.9	5045.2	4796.6	4374.2	3553.6	2394.0	1403.0	777.1	354.7	7.0
42.5°	4466.3	4396.8	4327.2	4049.1	3565.7	2649.5	1575.1	867.5	443.3	194.7	1.7
45°	3061.6	2974.6	2879.0	2677.4	2289.7	1604.7	937.1	488.5	229.5	109.5	1.7
47.5°	2126.2	2086.2	1919.3	1662.0	1274.3	850.1	485.1	239.9	121.7	50.4	1.7
50°	1444.7	1399.5	1204.8	956.2	678.0	406.8	222.5	120.0	53.9	12.2	1.7
52.5°	758.0	702.4	578.9	441.6	274.7	170.4	97.4	52.2	15.6	1.7	1.7
55°	111.3	102.6	83.4	67.8	60.8	46.9	27.8	12.2	1.7	1.7	3.5
57.5°	3.5	3.5	3.5	3.5	5.2	5.2	3.5	1.7	1.7	1.7	3.5
60°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5
65°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5
67.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	5.2
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	5.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.5
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°	243.4	243.4	243.4	243.4	243.4
2.5°	239.9	177.3	137.3	118.2	116.5
5°	217.3	126.9	83.4	64.3	60.8
7.5°	184.3	88.7	48.7	34.8	33.0
10°	151.3	60.8	29.6	24.3	22.6
12.5°	120.0	40.0	20.9	19.1	17.4
15°	92.1	26.1	15.6	13.9	13.9
17.5°	69.5	17.4	12.2	12.2	12.2
20°	52.2	12.2	8.7	10.4	10.4
22.5°	36.5	8.7	7.0	8.7	8.7
25°	26.1	7.0	7.0	8.7	8.7
27.5°	17.4	5.2	5.2	7.0	8.7
30°	10.4	3.5	5.2	7.0	8.7
32.5°	5.2	3.5	5.2	8.7	8.7
35°	3.5	5.2	7.0	8.7	10.4
37.5°	1.7	5.2	7.0	10.4	10.4
40°	1.7	5.2	7.0	10.4	12.2
42.5°	3.5	7.0	8.7	12.2	13.9
45°	3.5	7.0	10.4	13.9	15.6
47.5°	3.5	7.0	12.2	15.6	15.6
50°	5.2	8.7	12.2	15.6	17.4
52.5°	5.2	8.7	12.2	17.4	19.1
55°	5.2	8.7	13.9	17.4	19.1
57.5°	5.2	10.4	13.9	17.4	19.1
60°	5.2	8.7	13.9	17.4	19.1
62.5°	7.0	8.7	12.2	17.4	17.4
65°	7.0	8.7	12.2	17.4	17.4
67.5°	7.0	8.7	12.2	15.6	15.6
70°	7.0	8.7	10.4	13.9	13.9
72.5°	7.0	8.7	10.4	12.2	13.9
75°	5.2	7.0	8.7	10.4	12.2
77.5°	5.2	7.0	7.0	10.4	10.4
80°	5.2	5.2	5.2	7.0	7.0
82.5°	5.2	5.2	3.5	5.2	5.2
85°	5.2	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)