

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: P1316547

Luminaire Tested: P3SQAS20R359827D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316547
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: P3SQAS20R359827D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

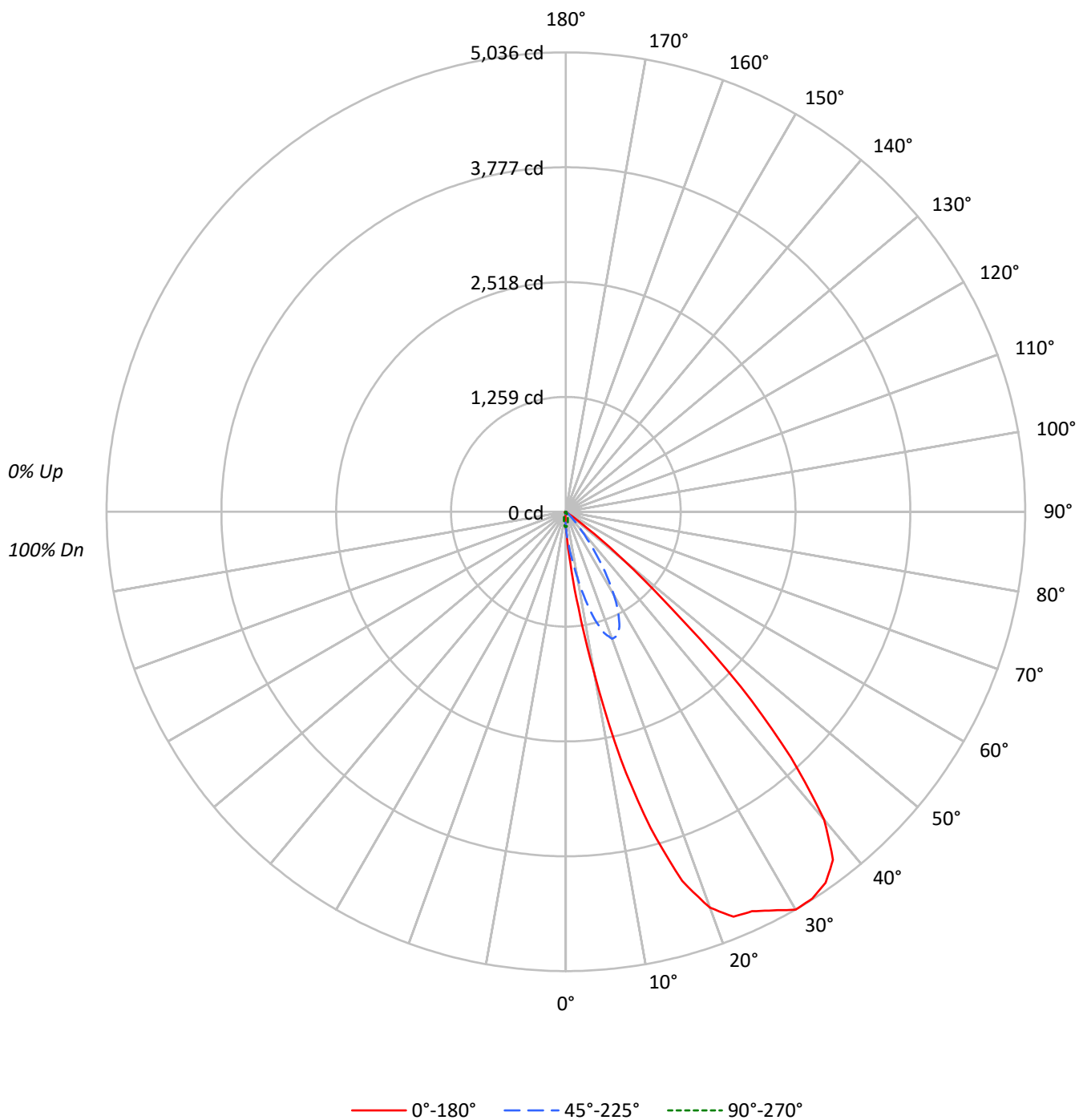
Lumens per Lamp: N/A
Luminaire Lumens: 1584.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	28658	28658	28658	28658	28658
5°	97591	63413	26796	11306	8350
10°	314066	128554	21143	4232	2728
15°	639894	218023	14959	1516	1016
20°	846165	271541	9640	513	513
25°	918133	263985	5397	266	532
30°	1001567	210380	2267	278	557
35°	1043614	130941	589	294	589
40°	990335	57217	315	629	967
45°	661118	22846	341	1047	1729
50°	221713	3805	750	1527	2277
55°	12371	420	841	2132	3003
60°	964	482	1481	2446	3444
65°	1141	571	1752	2893	4075
70°	705	705	2165	3575	4280
75°	932	932	2861	3793	4724
80°	0	1389	4265	4265	4265
85°	0	2766	8497	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 661118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.8
10°-20°	227.5	14.4
20°-30°	480.2	30.3
30°-40°	544.8	34.4
40°-50°	268.1	16.9
50°-60°	23.2	1.5
60°-70°	4.7	0.3
70°-80°	4.4	0.3
80°-90°	2.1	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°	736.5	46.5
0°-40°	1281.3	80.9
0°-60°	1572.7	99.3
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	166	166	166	166	166	
5°	564	367	155	65	48	93
15°	3589	1223	84	8	6	1020
25°	4832	1389	28	1	3	2248
35°	4964	623	3	1	3	3059
45°	2714	94	1	4	7	2006
55°	41	1	3	7	10	162
65°	3	1	4	7	10	2
75°	1	1	4	6	7	1
85°	0	1	4	1	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°	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4
2.5°	288.6	295.8	292.9	291.5	290.1	284.4	271.6	270.2	257.4	248.8	206.2
5°	564.5	553.1	556.0	540.3	520.4	492.0	473.5	433.7	401.0	366.8	240.3
7.5°	1063.6	1047.9	1018.1	972.6	925.7	864.5	772.1	698.2	612.8	531.8	267.3
10°	1795.9	1787.3	1748.9	1632.3	1530.0	1366.4	1212.9	1050.8	891.5	735.1	285.8
12.5°	2774.1	2715.8	2646.2	2491.2	2289.3	2084.5	1781.6	1501.5	1247.0	985.4	287.2
15°	3588.9	3551.9	3453.8	3251.9	3008.7	2713.0	2353.2	1976.4	1592.5	1222.8	273.0
17.5°	4244.4	4187.5	4060.9	3863.3	3583.2	3199.3	2778.4	2319.1	1851.3	1392.0	248.8
20°	4616.9	4587.0	4490.4	4292.7	3987.0	3567.5	3088.4	2553.7	2013.4	1481.6	217.6
22.5°	4804.6	4783.3	4712.2	4554.3	4268.5	3846.2	3297.4	2676.0	2060.3	1471.7	184.8
25°	4831.6	4825.9	4764.8	4645.3	4406.5	3988.4	3388.4	2698.8	2021.9	1389.2	153.6
27.5°	4925.5	4905.5	4833.0	4713.6	4473.3	4012.6	3357.1	2620.6	1898.2	1244.2	128.0
30°	5036.4	5022.1	4949.6	4825.9	4541.5	3989.8	3246.2	2447.1	1700.6	1057.9	95.3
32.5°	5027.8	5022.1	4961.0	4830.2	4493.2	3856.2	3048.5	2186.9	1431.9	834.7	59.7
35°	4963.8	4943.9	4867.2	4665.2	4217.3	3512.1	2673.2	1834.2	1133.3	622.8	38.4
37.5°	4810.3	4767.6	4638.2	4295.6	3724.0	2981.7	2176.9	1416.2	802.0	416.6	24.2
40°	4405.0	4351.0	4090.8	3677.0	3078.4	2349.0	1619.5	974.0	528.9	254.5	10.0
42.5°	3654.3	3544.8	3284.6	2859.4	2297.8	1660.8	1063.6	631.3	311.4	153.6	2.8
45°	2714.4	2630.5	2357.5	1972.2	1505.8	1065.0	644.1	341.3	172.0	93.8	1.4
47.5°	1581.2	1530.0	1389.2	1136.1	831.8	558.8	329.9	183.4	101.0	45.5	1.4
50°	827.5	763.6	656.9	497.7	366.8	257.4	160.7	98.1	49.8	14.2	1.4
52.5°	290.1	285.8	260.2	196.2	159.3	115.2	78.2	42.7	14.2	2.8	1.4
55°	41.2	41.2	38.4	42.7	45.5	41.2	27.0	11.4	2.8	1.4	1.4
57.5°	2.8	2.8	2.8	4.3	5.7	5.7	4.3	1.4	1.4	1.4	2.8
60°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
62.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
65°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
77.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
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°	166.4	166.4	166.4	166.4	166.4
2.5°	164.9	132.2	105.2	92.4	88.2
5°	155.0	99.5	65.4	51.2	48.3
7.5°	137.9	71.1	39.8	28.4	27.0
10°	120.9	51.2	24.2	17.1	15.6
12.5°	101.0	35.5	15.6	10.0	8.5
15°	83.9	24.2	8.5	7.1	5.7
17.5°	66.8	15.6	5.7	4.3	5.7
20°	52.6	10.0	2.8	2.8	2.8
22.5°	39.8	5.7	2.8	2.8	2.8
25°	28.4	2.8	1.4	1.4	2.8
27.5°	19.9	1.4	1.4	1.4	2.8
30°	11.4	1.4	1.4	1.4	2.8
32.5°	5.7	1.4	1.4	2.8	2.8
35°	2.8	1.4	1.4	2.8	2.8
37.5°	1.4	1.4	1.4	2.8	4.3
40°	1.4	1.4	2.8	4.3	4.3
42.5°	1.4	1.4	2.8	4.3	5.7
45°	1.4	2.8	4.3	5.7	7.1
47.5°	2.8	2.8	5.7	7.1	8.5
50°	2.8	4.3	5.7	8.5	8.5
52.5°	2.8	4.3	7.1	8.5	10.0
55°	2.8	5.7	7.1	10.0	10.0
57.5°	4.3	5.7	7.1	10.0	10.0
60°	4.3	5.7	7.1	10.0	10.0
62.5°	4.3	5.7	7.1	10.0	10.0
65°	4.3	5.7	7.1	10.0	10.0
67.5°	4.3	5.7	7.1	8.5	10.0
70°	4.3	5.7	7.1	8.5	8.5
72.5°	5.7	5.7	7.1	8.5	8.5
75°	4.3	5.7	5.7	7.1	7.1
77.5°	4.3	4.3	4.3	5.7	5.7
80°	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	2.8	2.8	4.3	4.3
85°	4.3	2.8	1.4	2.8	2.8
87.5°	2.8	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)