

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: P1316169

Luminaire Tested: P3SQAS09R659827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R659827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

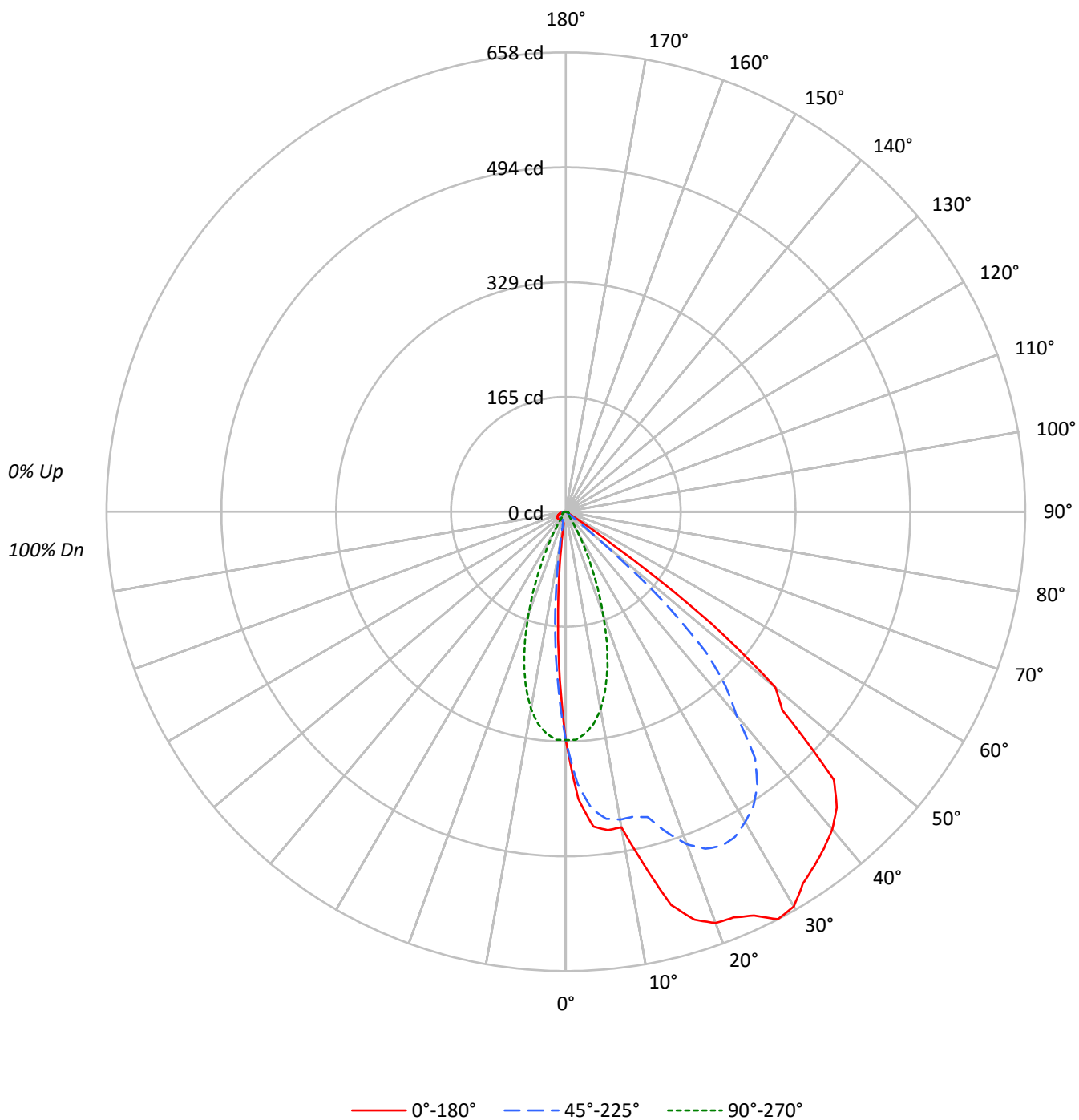
Lumens per Lamp: N/A
Luminaire Lumens: 490.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1316169

CATALOG NUMBER: P3SQAS09R659827DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316169

CATALOG NUMBER: P3SQAS09R659827DE010 E3SQCA301MW

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	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56300	56300	56300	56300	56300
5°	78263	73855	55114	30289	21299
10°	80235	78276	50138	8464	3113
15°	103948	80716	41044	2728	2639
20°	114877	92866	28554	2419	2511
25°	121237	100353	16152	2318	2508
30°	129819	102078	7298	2327	2625
35°	130289	100518	2355	2460	2880
40°	133476	85409	1596	2630	3215
45°	132204	68830	1607	2850	3483
50°	104922	16237	1634	3135	3965
55°	24922	931	1681	3513	4444
60°	861	1068	1929	3686	4719
65°	1019	1019	1875	3953	5175
70°	755	1007	1813	3827	5388
75°	665	998	1664	4059	5390
80°	496	992	1984	4066	5554
85°	988	1976	1976	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 132448 cd/sqm

TEST NUMBER: P1316169

CATALOG NUMBER: P3SQAS09R659827DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	5.6
10°-20°	71.8	14.7
20°-30°	112.9	23.0
30°-40°	129.1	26.4
40°-50°	103.8	21.2
50°-60°	33.8	6.9
60°-70°	6.0	1.2
70°-80°	3.9	0.8
80°-90°	1.4	0.3
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°	212.0	43.3
0°-40°	341.1	69.6
0°-60°	478.6	97.7
0°-90°	490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	490.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	327	327	327	327	327	
5°	453	427	319	175	123	43
15°	583	453	230	15	15	162
25°	638	528	85	12	13	297
35°	620	478	11	12	14	389
45°	543	283	7	12	14	391
55°	83	3	6	12	15	119
65°	2	2	5	10	13	2
75°	1	2	2	6	8	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1316169

CATALOG NUMBER: P3SQAS09R659827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	326.9	326.9	326.9	326.9	326.9	326.9	326.9	326.9	326.9	326.9	326.9
2.5°	411.4	409.9	412.0	408.4	407.9	404.3	402.3	401.3	396.7	390.6	385.0
5°	452.7	446.6	448.1	447.6	445.0	443.5	441.5	438.9	432.8	427.2	420.1
7.5°	459.8	454.7	455.7	456.3	454.7	454.2	453.7	452.7	448.6	443.5	437.4
10°	458.8	453.7	453.2	451.7	450.1	450.7	450.7	450.7	449.6	447.6	445.6
12.5°	517.9	510.7	509.2	498.5	488.8	472.0	461.3	451.2	446.6	447.1	445.6
15°	583.0	582.5	577.4	567.3	551.0	535.7	511.2	492.9	469.5	452.7	445.6
17.5°	612.6	612.1	607.5	598.8	587.1	572.9	555.0	533.7	507.7	481.7	460.3
20°	626.8	630.4	625.3	618.2	607.0	593.7	576.9	557.6	533.1	506.7	481.2
22.5°	628.9	633.5	628.9	623.8	615.6	607.0	592.7	572.9	547.9	522.4	497.5
25°	638.0	639.6	629.9	623.3	615.6	609.5	598.3	581.0	555.5	528.1	503.6
27.5°	657.9	651.3	630.9	621.7	614.6	609.0	598.3	580.5	553.0	525.0	499.5
30°	652.8	650.3	632.4	623.8	617.7	612.1	598.8	575.9	542.8	513.3	486.8
32.5°	631.9	637.0	630.9	627.9	624.8	617.7	598.3	567.3	530.1	500.0	464.4
35°	619.7	625.8	626.3	626.3	622.8	612.1	589.2	554.5	517.4	478.1	430.3
37.5°	607.5	612.6	615.6	617.7	612.6	597.3	568.3	537.2	496.5	445.0	361.0
40°	593.7	597.3	599.8	600.9	593.2	573.4	546.9	511.8	465.9	379.9	322.3
42.5°	574.4	576.4	575.9	575.4	567.3	545.4	520.4	483.7	393.1	338.6	268.9
45°	542.8	540.8	543.8	543.8	533.1	516.8	483.7	412.5	351.9	282.6	173.1
47.5°	420.6	422.1	436.9	460.8	475.6	471.0	426.2	361.0	295.9	185.4	57.5
50°	391.6	390.1	390.6	393.1	394.6	381.9	349.8	305.0	195.5	60.6	4.1
52.5°	262.8	264.3	276.0	303.0	311.6	302.5	271.9	203.7	71.3	4.1	3.6
55°	83.0	88.6	95.2	109.5	134.4	150.2	147.2	72.3	4.6	3.1	3.6
57.5°	3.1	3.1	4.1	7.1	13.7	22.4	23.4	4.6	3.6	3.6	3.6
60°	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1
62.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
70°	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
75°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
80°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1316169

CATALOG NUMBER: P3SQAS09R659827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	326.9	326.9	326.9	326.9	326.9	326.9	326.9	326.9
2.5°	381.9	375.8	363.6	326.9	288.7	250.5	226.6	220.5
5°	412.0	404.8	387.5	318.8	241.4	175.2	137.5	123.2
7.5°	430.3	421.6	401.3	306.0	187.9	101.8	61.1	48.9
10°	438.4	430.8	407.9	286.7	136.0	48.4	21.4	17.8
12.5°	442.0	435.9	410.4	261.2	88.6	21.4	15.8	15.3
15°	443.5	436.9	409.4	230.2	50.4	15.3	14.8	14.8
17.5°	445.0	437.4	403.3	194.5	28.0	14.3	13.7	14.3
20°	457.3	435.4	392.6	155.8	18.3	13.2	13.2	13.7
22.5°	469.5	434.9	373.8	119.2	14.3	12.7	13.2	13.2
25°	473.6	429.8	349.8	85.0	12.2	12.2	12.7	13.2
27.5°	465.9	415.0	317.7	57.5	10.7	12.2	12.7	13.2
30°	448.1	390.1	279.0	36.7	10.2	11.7	12.7	13.2
32.5°	415.0	340.7	235.8	21.9	9.7	11.7	13.2	13.2
35°	348.8	285.7	186.9	11.2	9.7	11.7	13.2	13.7
37.5°	305.0	238.3	130.4	7.6	9.7	11.7	13.2	13.7
40°	253.1	172.1	54.5	7.1	9.7	11.7	13.2	14.3
42.5°	175.2	74.9	8.7	6.6	9.2	11.7	13.7	14.3
45°	63.1	9.7	4.1	6.6	9.2	11.7	13.7	14.3
47.5°	5.6	3.6	4.1	6.6	9.2	11.7	13.7	14.8
50°	3.6	3.6	3.6	6.1	9.2	11.7	13.7	14.8
52.5°	3.6	3.6	3.6	6.1	8.7	11.7	14.3	14.8
55°	3.6	3.6	3.6	5.6	8.7	11.7	13.7	14.8
57.5°	3.6	3.6	4.1	5.6	8.7	11.2	13.7	14.3
60°	3.6	3.6	3.6	5.6	8.1	10.7	13.2	13.7
62.5°	3.1	3.6	3.6	5.1	7.6	10.2	12.7	13.2
65°	3.1	3.1	3.6	4.6	7.1	9.7	11.7	12.7
67.5°	2.5	3.1	3.1	4.1	6.1	8.7	10.7	11.7
70°	2.5	2.5	2.5	3.6	5.6	7.6	10.2	10.7
72.5°	2.0	2.5	2.5	3.1	4.6	6.6	8.7	9.7
75°	2.0	2.0	2.0	2.5	4.1	6.1	7.6	8.1
77.5°	1.5	1.5	2.0	2.0	3.6	4.6	6.6	7.1
80°	1.5	1.5	1.5	2.0	2.5	4.1	5.1	5.6
82.5°	1.0	1.0	1.0	1.5	2.0	2.5	3.6	4.1
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)