

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: P1317921

Luminaire Tested: P3SQAS09R659835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317921
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: P3SQAS09R659835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

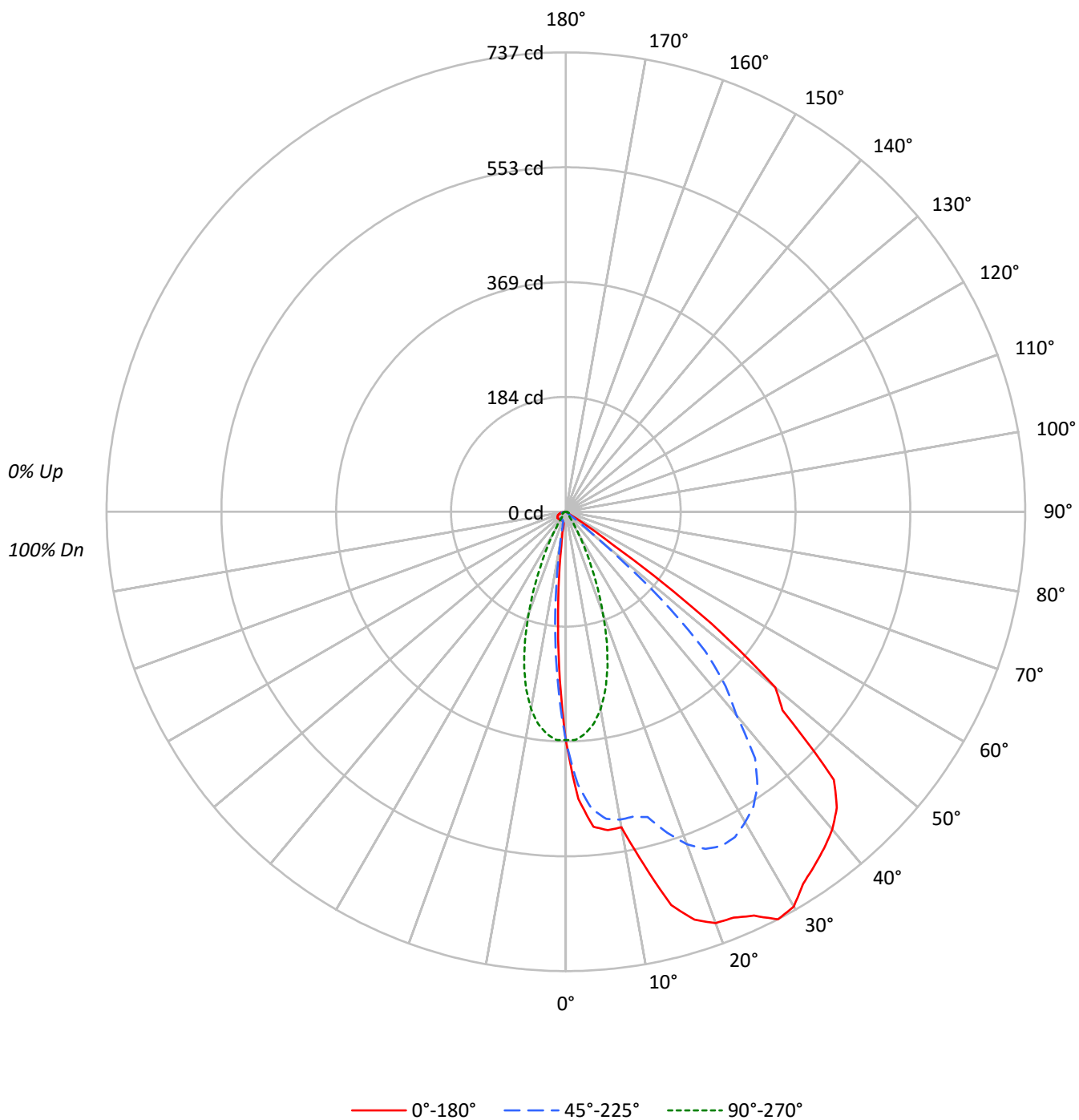
Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317921

CATALOG NUMBER: P3SQAS09R659835DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317921

CATALOG NUMBER: P3SQAS09R659835DE010 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°	63085	63085	63085	63085	63085
5°	87685	82758	61736	33936	23875
10°	89888	87702	56171	9478	3498
15°	116464	90433	45983	3049	2942
20°	128714	104046	32000	2712	2822
25°	135850	112420	18110	2603	2812
30°	145450	114368	8173	2605	2943
35°	145973	112628	2649	2754	3238
40°	149551	95684	1799	2945	3597
45°	148133	77111	1802	3191	3897
50°	117541	18193	1822	3510	4421
55°	27924	1021	1892	3933	4954
60°	999	1171	2170	4133	5304
65°	1182	1182	2078	4401	5827
70°	856	1158	2014	4330	6043
75°	732	1131	1930	4525	6055
80°	595	1091	2281	4562	6248
85°	1186	2174	2174	4545	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 148401 cd/sqm

TEST NUMBER: P1317921

CATALOG NUMBER: P3SQAS09R659835DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	5.6
10°-20°	80.5	14.7
20°-30°	126.4	23.0
30°-40°	144.7	26.3
40°-50°	116.3	21.2
50°-60°	37.8	6.9
60°-70°	6.7	1.2
70°-80°	4.4	0.8
80°-90°	1.6	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°	237.5	43.3
0°-40°	382.2	69.6
0°-60°	536.3	97.7
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	366	366	366	366	366	
5°	507	479	357	196	138	48
15°	653	507	258	17	16	182
25°	715	592	95	14	15	333
35°	694	536	13	13	15	436
45°	608	317	7	13	16	438
55°	93	3	6	13	16	133
65°	3	3	5	11	14	3
75°	1	2	3	7	9	1
85°	1	1	1	2	3	0
90°	0	0	0	0	0	

TEST NUMBER: P1317921

CATALOG NUMBER: P3SQAS09R659835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3
2.5°	461.0	459.3	461.6	457.6	457.0	453.0	450.7	449.6	444.4	437.6	431.3
5°	507.2	500.3	502.1	501.5	498.6	496.9	494.6	491.8	484.9	478.7	470.7
7.5°	515.2	509.5	510.6	511.2	509.5	508.9	508.3	507.2	502.6	496.9	490.1
10°	514.0	508.3	507.8	506.1	504.3	504.9	504.9	504.9	503.8	501.5	499.2
12.5°	580.2	572.2	570.5	558.5	547.7	528.9	516.9	505.5	500.3	500.9	499.2
15°	653.2	652.7	647.0	635.6	617.3	600.2	572.8	552.3	526.0	507.2	499.2
17.5°	686.3	685.8	680.6	670.9	657.8	641.8	621.9	597.9	568.8	539.7	515.8
20°	702.3	706.3	700.6	692.6	680.1	665.2	646.4	624.7	597.3	567.7	539.1
22.5°	704.6	709.7	704.6	698.9	689.8	680.1	664.1	641.8	613.9	585.4	557.4
25°	714.9	716.6	705.7	698.3	689.8	682.9	670.4	651.0	622.4	591.6	564.2
27.5°	737.1	729.7	706.9	696.6	688.6	682.3	670.4	650.4	619.6	588.2	559.7
30°	731.4	728.6	708.6	698.9	692.0	685.8	670.9	645.3	608.2	575.1	545.4
32.5°	708.0	713.7	706.9	703.5	700.0	692.0	670.4	635.6	593.9	560.3	520.3
35°	694.3	701.2	701.7	701.7	697.7	685.8	660.1	621.3	579.7	535.7	482.1
37.5°	680.6	686.3	689.8	692.0	686.3	669.2	636.7	601.9	556.3	498.6	404.5
40°	665.2	669.2	672.1	673.2	664.7	642.4	612.7	573.4	522.0	425.6	361.1
42.5°	643.5	645.8	645.3	644.7	635.6	611.0	583.1	542.0	440.4	379.4	301.2
45°	608.2	605.9	609.3	609.3	597.3	579.1	542.0	462.1	394.2	316.6	194.0
47.5°	471.3	473.0	489.5	516.3	532.9	527.7	477.5	404.5	331.5	207.7	64.5
50°	438.7	437.0	437.6	440.4	442.2	427.9	391.9	341.7	219.1	67.9	4.6
52.5°	294.4	296.1	309.2	339.5	349.2	338.9	304.7	228.2	79.9	4.6	4.0
55°	93.0	99.3	106.7	122.7	150.6	168.3	164.9	81.0	5.1	3.4	4.0
57.5°	3.4	3.4	4.6	8.0	15.4	25.1	26.2	5.1	4.0	4.0	4.0
60°	2.9	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4	3.4	3.4
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4	3.4
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.4
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9
70°	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
75°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7
80°	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P1317921

CATALOG NUMBER: P3SQAS09R659835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3
2.5°	427.9	421.0	407.4	366.3	323.5	280.7	253.9	247.0
5°	461.6	453.6	434.2	357.1	270.4	196.3	154.0	138.1
7.5°	482.1	472.4	449.6	342.9	210.5	114.1	68.5	54.8
10°	491.2	482.7	457.0	321.2	152.3	54.2	24.0	20.0
12.5°	495.2	488.4	459.8	292.7	99.3	24.0	17.7	17.1
15°	496.9	489.5	458.7	257.9	56.5	17.1	16.5	16.5
17.5°	498.6	490.1	451.9	217.9	31.4	16.0	15.4	16.0
20°	512.3	487.8	439.9	174.6	20.5	14.8	14.8	15.4
22.5°	526.0	487.2	418.8	133.5	16.0	14.3	14.8	14.8
25°	530.6	481.5	391.9	95.3	13.7	13.7	14.3	14.8
27.5°	522.0	465.0	356.0	64.5	12.0	13.7	14.3	14.8
30°	502.1	437.0	312.6	41.1	11.4	13.1	14.3	14.8
32.5°	465.0	381.7	264.2	24.5	10.8	13.1	14.8	14.8
35°	390.8	320.1	209.4	12.6	10.8	13.1	14.8	15.4
37.5°	341.7	267.0	146.1	8.6	10.8	13.1	14.8	15.4
40°	283.5	192.8	61.0	8.0	10.8	13.1	14.8	16.0
42.5°	196.3	83.9	9.7	7.4	10.3	13.1	15.4	16.0
45°	70.7	10.8	4.6	7.4	10.3	13.1	15.4	16.0
47.5°	6.3	4.0	4.6	7.4	10.3	13.1	15.4	16.5
50°	4.0	4.0	4.0	6.8	10.3	13.1	15.4	16.5
52.5°	4.0	4.0	4.0	6.8	9.7	13.1	16.0	16.5
55°	4.0	4.0	4.0	6.3	9.7	13.1	15.4	16.5
57.5°	4.0	4.0	4.6	6.3	9.7	12.6	15.4	16.0
60°	4.0	4.0	4.0	6.3	9.1	12.0	14.8	15.4
62.5°	3.4	4.0	4.0	5.7	8.6	11.4	14.3	14.8
65°	3.4	3.4	4.0	5.1	8.0	10.8	13.1	14.3
67.5°	2.9	3.4	3.4	4.6	6.8	9.7	12.0	13.1
70°	2.9	2.9	2.9	4.0	6.3	8.6	11.4	12.0
72.5°	2.3	2.9	2.9	3.4	5.1	7.4	9.7	10.8
75°	2.3	2.3	2.3	2.9	4.6	6.8	8.6	9.1
77.5°	1.7	1.7	2.3	2.3	4.0	5.1	7.4	8.0
80°	1.7	1.7	1.7	2.3	2.9	4.6	5.7	6.3
82.5°	1.1	1.1	1.1	1.7	2.3	2.9	4.0	4.6
85°	1.1	1.1	1.1	1.1	1.7	2.3	2.9	2.9
87.5°	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)