

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: P1305498

Luminaire Tested: P3SQAS02R659024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305498
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: P3SQAS02R659024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

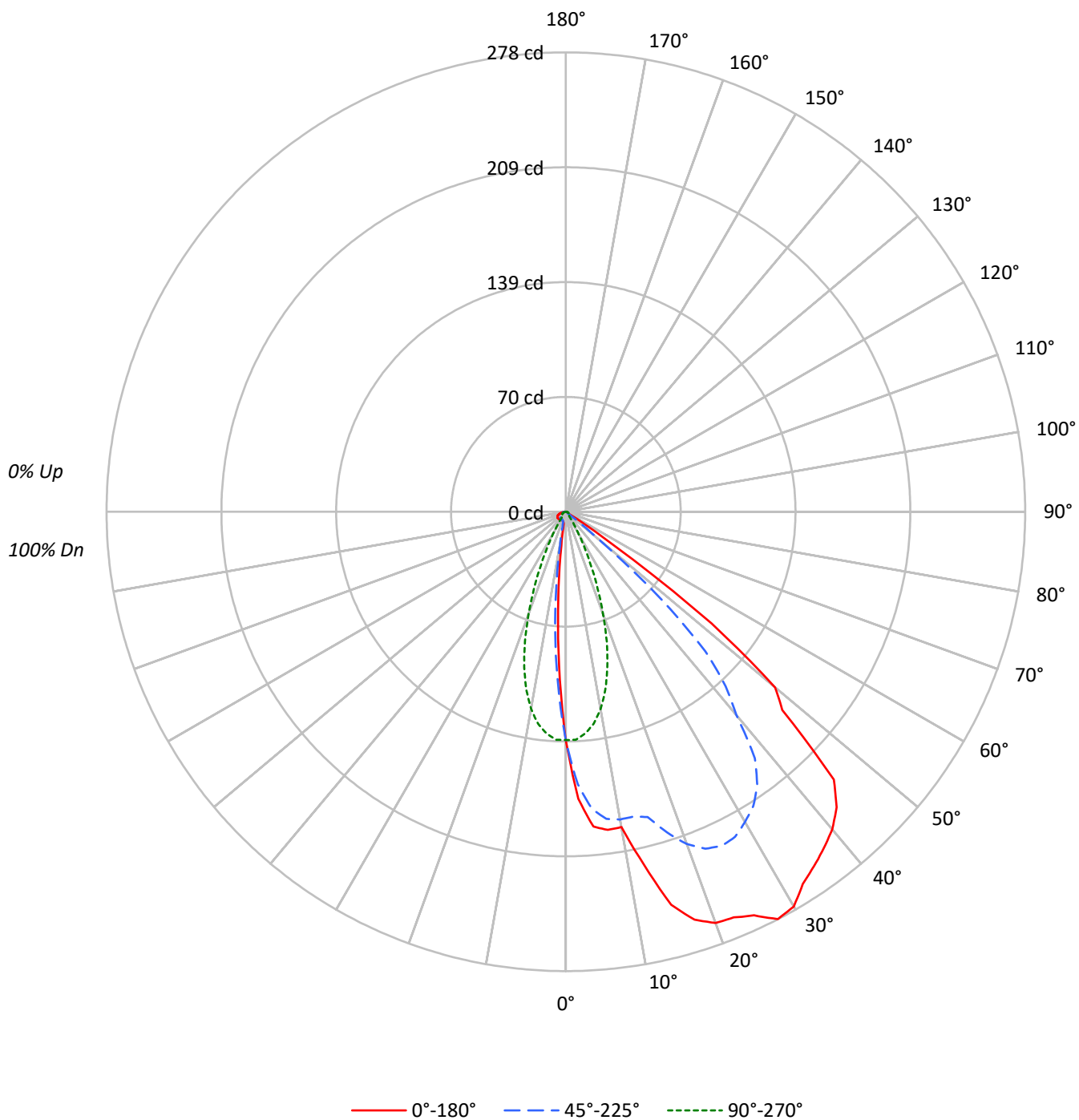
Lumens per Lamp: N/A
Luminaire Lumens: 207.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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°	23784	23784	23784	23784	23784
5°	33055	31205	23287	12793	9007
10°	33892	33070	21178	3568	1312
15°	43915	34091	17331	1159	1105
20°	48531	39221	12060	1026	1063
25°	51212	42395	6822	988	1064
30°	54847	43114	3082	974	1114
35°	55042	42469	988	1030	1219
40°	56385	36084	674	1102	1349
45°	55848	29081	682	1193	1461
50°	44316	6859	697	1313	1661
55°	10539	390	721	1471	1862
60°	379	448	827	1550	1998
65°	448	448	774	1671	2201
70°	302	453	755	1611	2266
75°	266	399	732	1730	2262
80°	198	397	893	1686	2380
85°	395	790	790	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 55946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	5.6
10°-20°	30.3	14.7
20°-30°	47.7	23.0
30°-40°	54.5	26.3
40°-50°	43.8	21.2
50°-60°	14.3	6.9
60°-70°	2.5	1.2
70°-80°	1.7	0.8
80°-90°	0.6	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°	89.6	43.3
0°-40°	144.1	69.6
0°-60°	202.2	97.7
0°-90°	207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	207.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	138	138	138	138	138	
5°	191	180	135	74	52	18
15°	246	191	97	6	6	69
25°	270	223	36	5	6	126
35°	262	202	5	5	6	164
45°	229	119	3	5	6	165
55°	35	1	2	5	6	50
65°	1	1	2	4	5	1
75°	0	1	1	3	3	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
2.5°	173.8	173.2	174.0	172.5	172.3	170.8	169.9	169.5	167.6	165.0	162.6
5°	191.2	188.7	189.3	189.1	188.0	187.4	186.5	185.4	182.8	180.5	177.5
7.5°	194.2	192.1	192.5	192.7	192.1	191.9	191.7	191.2	189.5	187.4	184.8
10°	193.8	191.7	191.5	190.8	190.2	190.4	190.4	190.4	189.9	189.1	188.2
12.5°	218.8	215.8	215.1	210.6	206.5	199.4	194.9	190.6	188.7	188.9	188.2
15°	246.3	246.1	243.9	239.6	232.8	226.3	216.0	208.2	198.3	191.2	188.2
17.5°	258.8	258.6	256.6	253.0	248.0	242.0	234.5	225.4	214.5	203.5	194.5
20°	264.8	266.3	264.2	261.1	256.4	250.8	243.7	235.6	225.2	214.0	203.3
22.5°	265.7	267.6	265.7	263.5	260.1	256.4	250.4	242.0	231.5	220.7	210.2
25°	269.5	270.2	266.1	263.3	260.1	257.5	252.8	245.4	234.7	223.1	212.7
27.5°	277.9	275.1	266.5	262.7	259.6	257.3	252.8	245.2	233.6	221.8	211.0
30°	275.8	274.7	267.2	263.5	260.9	258.6	253.0	243.3	229.3	216.8	205.6
32.5°	267.0	269.1	266.5	265.2	263.9	260.9	252.8	239.6	223.9	211.2	196.2
35°	261.8	264.4	264.6	264.6	263.1	258.6	248.9	234.3	218.6	202.0	181.8
37.5°	256.6	258.8	260.1	260.9	258.8	252.3	240.1	226.9	209.7	188.0	152.5
40°	250.8	252.3	253.4	253.8	250.6	242.2	231.0	216.2	196.8	160.5	136.2
42.5°	242.6	243.5	243.3	243.1	239.6	230.4	219.8	204.4	166.1	143.1	113.6
45°	229.3	228.5	229.7	229.7	225.2	218.3	204.4	174.2	148.6	119.4	73.1
47.5°	177.7	178.3	184.6	194.7	200.9	199.0	180.1	152.5	125.0	78.3	24.3
50°	165.4	164.8	165.0	166.1	166.7	161.3	147.8	128.9	82.6	25.6	1.7
52.5°	111.0	111.6	116.6	128.0	131.7	127.8	114.9	86.0	30.1	1.7	1.5
55°	35.1	37.4	40.2	46.2	56.8	63.5	62.2	30.5	1.9	1.3	1.5
57.5°	1.3	1.3	1.7	3.0	5.8	9.5	9.9	1.9	1.5	1.5	1.5
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
70°	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9
75°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
80°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
2.5°	161.3	158.8	153.6	138.1	122.0	105.8	95.7	93.1
5°	174.0	171.0	163.7	134.7	102.0	74.0	58.1	52.1
7.5°	181.8	178.1	169.5	129.3	79.4	43.0	25.8	20.7
10°	185.2	182.0	172.3	121.1	57.4	20.4	9.0	7.5
12.5°	186.7	184.1	173.4	110.4	37.4	9.0	6.7	6.5
15°	187.4	184.6	173.0	97.2	21.3	6.5	6.2	6.2
17.5°	188.0	184.8	170.4	82.2	11.8	6.0	5.8	6.0
20°	193.2	183.9	165.9	65.8	7.7	5.6	5.6	5.8
22.5°	198.3	183.7	157.9	50.3	6.0	5.4	5.6	5.6
25°	200.1	181.6	147.8	35.9	5.2	5.2	5.4	5.6
27.5°	196.8	175.3	134.2	24.3	4.5	5.2	5.4	5.6
30°	189.3	164.8	117.9	15.5	4.3	4.9	5.4	5.6
32.5°	175.3	143.9	99.6	9.2	4.1	4.9	5.6	5.6
35°	147.4	120.7	78.9	4.7	4.1	4.9	5.6	5.8
37.5°	128.9	100.7	55.1	3.2	4.1	4.9	5.6	5.8
40°	106.9	72.7	23.0	3.0	4.1	4.9	5.6	6.0
42.5°	74.0	31.6	3.7	2.8	3.9	4.9	5.8	6.0
45°	26.7	4.1	1.7	2.8	3.9	4.9	5.8	6.0
47.5°	2.4	1.5	1.7	2.8	3.9	4.9	5.8	6.2
50°	1.5	1.5	1.5	2.6	3.9	4.9	5.8	6.2
52.5°	1.5	1.5	1.5	2.6	3.7	4.9	6.0	6.2
55°	1.5	1.5	1.5	2.4	3.7	4.9	5.8	6.2
57.5°	1.5	1.5	1.7	2.4	3.7	4.7	5.8	6.0
60°	1.5	1.5	1.5	2.4	3.4	4.5	5.6	5.8
62.5°	1.3	1.5	1.5	2.2	3.2	4.3	5.4	5.6
65°	1.3	1.3	1.5	1.9	3.0	4.1	4.9	5.4
67.5°	1.1	1.3	1.3	1.7	2.6	3.7	4.5	4.9
70°	1.1	1.1	1.1	1.5	2.4	3.2	4.3	4.5
72.5°	0.9	1.1	1.1	1.3	1.9	2.8	3.7	4.1
75°	0.9	0.9	0.9	1.1	1.7	2.6	3.2	3.4
77.5°	0.6	0.6	0.9	0.9	1.5	1.9	2.8	3.0
80°	0.6	0.6	0.6	0.9	1.1	1.7	2.2	2.4
82.5°	0.4	0.4	0.4	0.6	0.9	1.1	1.5	1.7
85°	0.4	0.4	0.4	0.4	0.6	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)