

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: P1307594

Luminaire Tested: P3SQAS02R709030DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709030DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

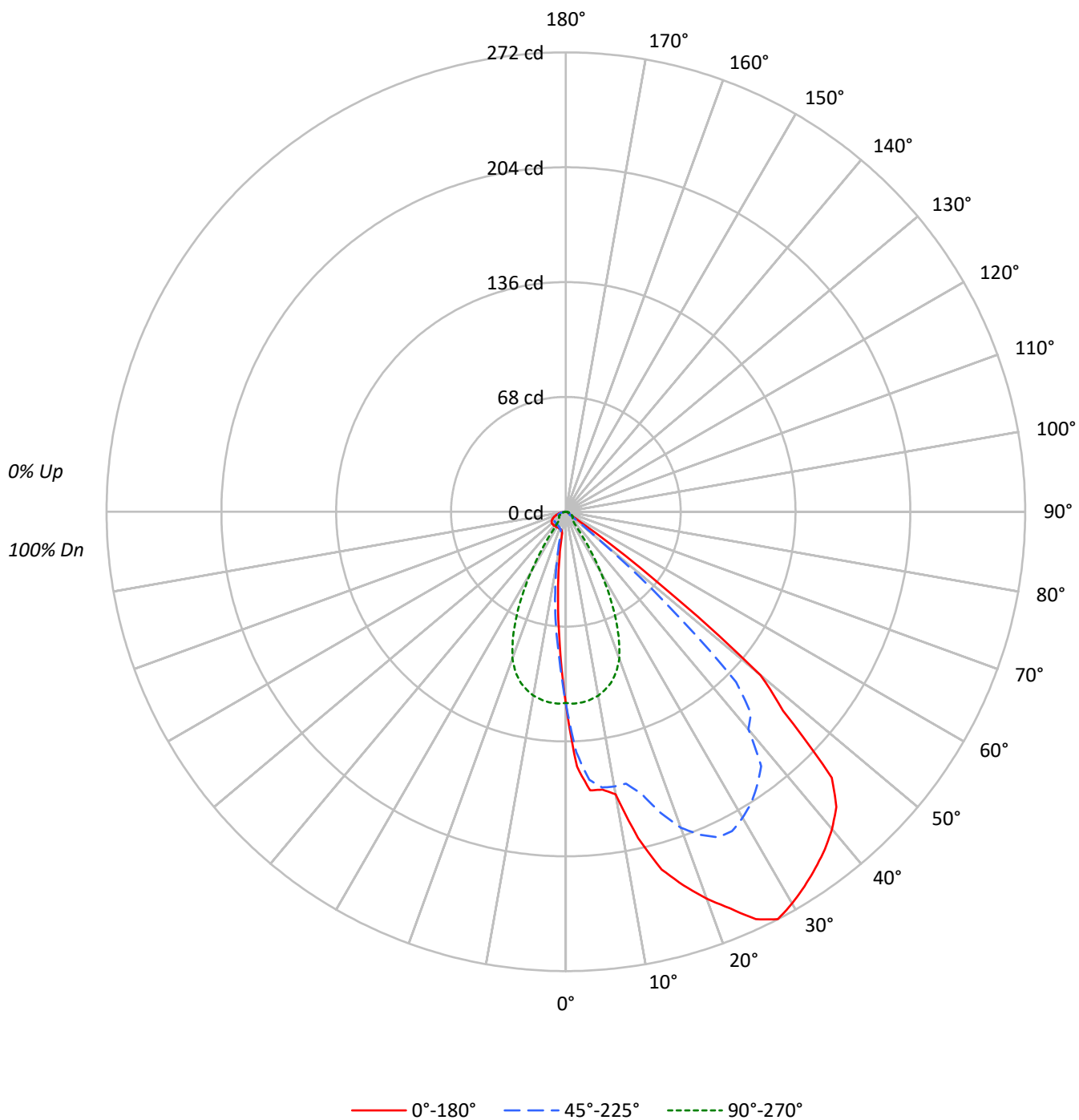
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19496	19496	19496	19496	19496
5°	28629	27540	19570	11687	9145
10°	29695	28890	19324	5596	2256
15°	39101	30792	18614	1997	1961
20°	44664	36490	16953	1924	1961
25°	50585	40419	13302	1862	1938
30°	53276	41623	8253	1849	2088
35°	54159	41544	2712	1892	2208
40°	55126	37792	1326	2023	2406
45°	54241	34707	1364	2143	2606
50°	40324	6404	1366	2358	2867
55°	3213	871	1471	2492	3063
60°	689	930	1412	2514	3203
65°	693	897	1386	2486	3301
70°	604	856	1360	2316	3172
75°	466	799	1131	2262	3061
80°	496	694	1190	2182	2876
85°	395	988	1383	1976	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 54898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	4.8
10°-20°	29.0	13.5
20°-30°	48.6	22.6
30°-40°	58.5	27.2
40°-50°	46.4	21.6
50°-60°	14.8	6.9
60°-70°	4.1	1.9
70°-80°	2.5	1.1
80°-90°	0.8	0.4
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°	87.9	40.9
0°-40°	146.4	68.1
0°-60°	207.6	96.6
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	113	113	113	113	113	
5°	166	159	113	68	53	16
15°	219	173	104	11	11	62
25°	266	213	70	10	10	122
35°	258	198	13	9	10	161
45°	223	142	6	9	11	160
55°	11	3	5	8	10	34
65°	2	2	3	6	8	2
75°	1	1	2	3	5	1
85°	0	0	1	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°	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2
2.5°	151.0	152.0	152.0	150.8	151.3	149.3	147.8	145.6	145.2	142.5	139.1
5°	165.6	165.2	165.2	164.2	164.7	163.9	163.2	162.7	161.3	159.3	157.4
7.5°	165.9	166.4	166.6	166.4	167.4	166.6	166.6	166.6	165.6	164.7	162.7
10°	169.8	169.1	168.3	166.6	165.6	164.9	164.9	165.2	165.6	165.2	163.9
12.5°	197.9	195.2	193.9	189.8	186.6	181.3	175.2	170.5	166.4	164.9	163.9
15°	219.3	218.8	216.4	212.5	208.6	202.2	195.2	188.1	180.5	172.7	167.1
17.5°	232.0	231.0	228.6	224.4	219.8	214.0	208.3	203.0	195.7	186.9	177.8
20°	243.7	241.5	238.3	233.5	228.8	223.2	217.1	212.0	205.9	199.1	188.6
22.5°	254.2	252.3	247.1	240.5	235.9	230.5	225.2	220.3	214.7	206.9	197.4
25°	266.2	261.8	253.5	244.9	239.3	234.9	231.0	227.1	221.3	212.7	201.5
27.5°	272.0	265.9	256.9	248.3	243.0	238.3	234.2	230.3	223.7	213.2	200.3
30°	267.9	264.5	258.1	251.5	247.1	242.7	237.9	232.0	221.5	209.3	197.4
32.5°	263.0	261.3	258.4	254.4	251.8	247.4	240.5	231.0	216.4	204.4	191.5
35°	257.6	256.9	255.9	254.2	252.5	248.3	239.8	225.9	211.3	197.6	185.2
37.5°	252.0	251.3	252.0	251.8	250.3	244.9	232.0	219.1	203.9	190.0	165.9
40°	245.2	244.7	245.9	247.1	245.4	238.3	224.4	208.8	195.4	168.1	159.8
42.5°	237.1	236.9	239.1	240.1	237.6	227.1	210.8	199.3	171.0	162.2	142.7
45°	222.7	223.2	224.2	225.4	224.0	212.5	197.6	176.6	164.2	142.5	81.2
47.5°	174.4	174.9	179.8	190.0	197.1	193.2	180.5	164.9	146.9	81.5	25.6
50°	150.5	150.0	150.3	152.7	158.3	163.7	159.8	151.3	87.6	23.9	3.2
52.5°	66.1	73.4	81.2	103.2	117.3	132.2	135.2	94.7	28.5	3.2	3.2
55°	10.7	11.2	14.1	20.7	37.3	56.4	68.3	31.7	2.9	2.9	2.9
57.5°	2.2	2.2	2.2	2.4	3.7	7.8	9.0	2.7	2.7	2.7	2.9
60°	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.4	2.4	2.7	2.7
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.4	2.4	2.7
65°	1.7	1.7	1.7	1.7	2.0	2.0	2.0	2.0	2.2	2.2	2.4
67.5°	1.5	1.5	1.5	1.5	1.7	1.7	1.7	2.0	2.0	2.0	2.2
70°	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.7	1.7	1.7
72.5°	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.5	1.5	1.5
75°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7
82.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5
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°	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2
2.5°	136.9	133.4	128.8	113.7	99.8	87.1	80.8	80.0
5°	154.2	151.0	143.2	113.2	86.6	67.6	56.1	52.9
7.5°	160.8	158.1	151.3	112.2	74.2	48.5	35.6	30.7
10°	162.5	160.8	154.9	110.5	61.2	32.0	16.8	12.9
12.5°	163.2	162.0	156.4	107.8	48.3	16.6	11.5	11.5
15°	164.4	163.2	157.8	104.4	35.6	11.2	11.0	11.0
17.5°	169.8	165.9	159.8	99.3	23.4	10.7	10.7	10.7
20°	178.6	170.0	160.8	92.5	14.6	10.5	10.5	10.7
22.5°	185.9	174.4	160.5	82.2	10.7	10.0	10.2	10.5
25°	189.1	176.4	158.3	70.0	9.3	9.8	10.2	10.2
27.5°	188.6	177.1	156.4	56.1	8.8	9.5	10.0	10.5
30°	185.9	175.2	152.0	41.5	8.3	9.3	10.0	10.5
32.5°	181.3	167.6	143.2	26.8	8.1	9.3	10.0	10.5
35°	166.1	155.4	130.5	12.9	7.8	9.0	10.2	10.5
37.5°	157.4	142.5	99.5	6.3	7.6	9.0	10.2	10.5
40°	143.2	106.4	44.9	5.9	7.6	9.0	10.2	10.7
42.5°	90.0	43.7	7.3	5.6	7.3	9.0	10.2	10.7
45°	32.9	5.9	3.9	5.6	7.3	8.8	10.2	10.7
47.5°	3.4	3.4	3.7	5.4	7.1	8.8	10.2	10.7
50°	3.2	3.4	3.7	5.1	6.8	8.8	10.0	10.7
52.5°	3.2	3.4	3.7	5.1	6.6	8.5	10.0	10.7
55°	3.2	3.4	3.4	4.9	6.3	8.3	9.8	10.2
57.5°	2.9	3.2	3.4	4.6	6.1	7.8	9.5	10.0
60°	2.9	3.2	3.4	4.1	5.9	7.3	9.0	9.3
62.5°	2.7	2.9	3.2	3.9	5.4	6.8	8.3	8.8
65°	2.7	2.7	2.9	3.4	4.9	6.1	7.6	8.1
67.5°	2.2	2.4	2.4	2.9	4.1	5.4	6.8	7.3
70°	2.0	2.0	2.2	2.7	3.7	4.6	5.9	6.3
72.5°	1.7	1.7	1.7	2.2	3.2	4.1	5.1	5.6
75°	1.5	1.5	1.5	1.7	2.7	3.4	4.4	4.6
77.5°	1.2	1.2	1.2	1.5	2.2	2.9	3.4	3.9
80°	1.0	1.0	1.0	1.2	1.7	2.2	2.7	2.9
82.5°	0.7	0.7	0.7	1.0	1.2	1.5	2.0	2.0
85°	0.5	0.5	0.5	0.7	0.7	1.0	1.2	1.2
87.5°	0.2	0.2	0.2	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

(END OF REPORT)