

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: P1312984

Luminaire Tested: P3SQAS02R609730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

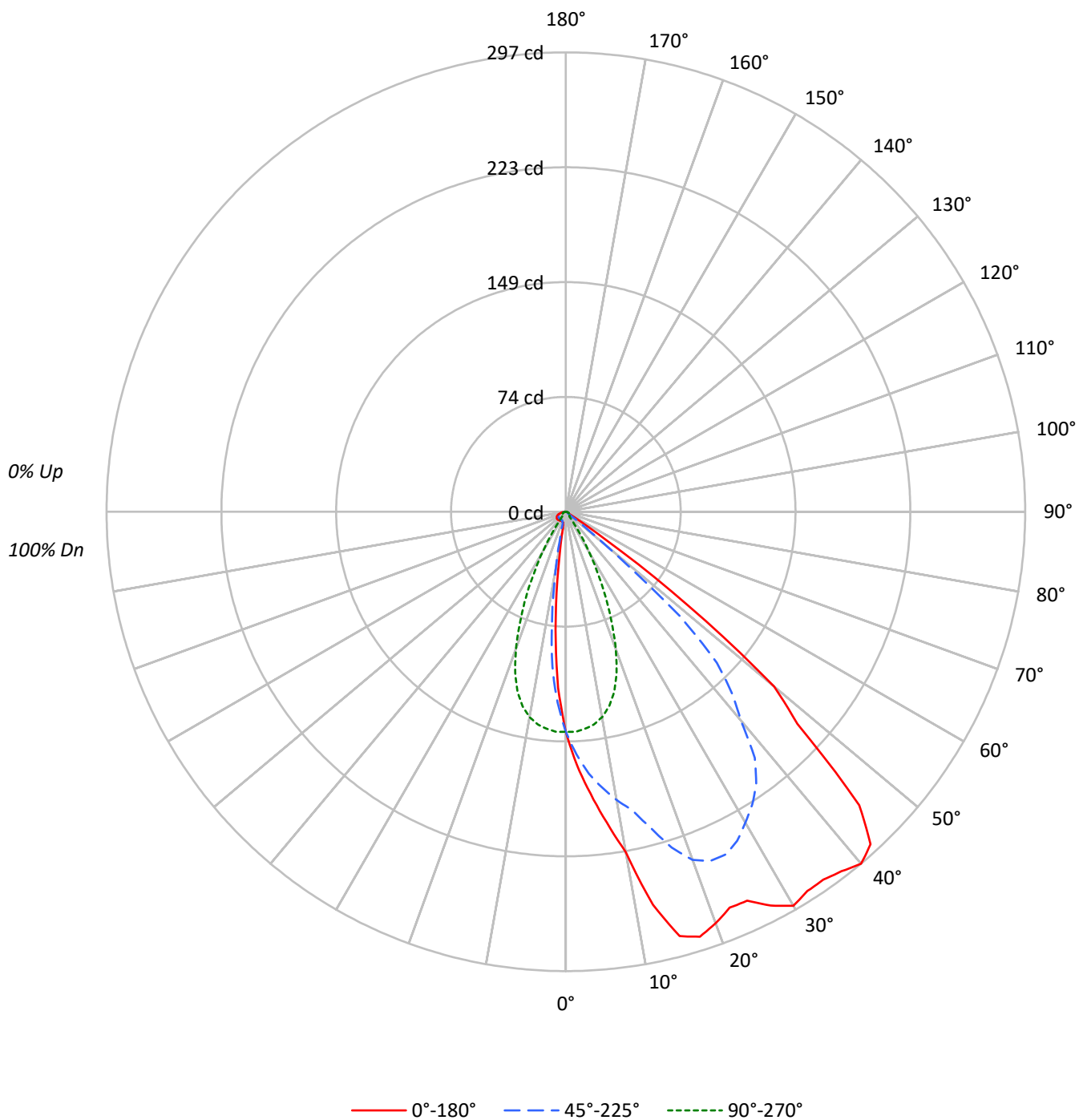
Lumens per Lamp: N/A
Luminaire Lumens: 231.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	54	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24490	24490	24490	24490	24490
5°	31637	29372	24359	17340	13243
10°	39086	33105	23574	6558	1941
15°	50637	37674	21503	1444	1284
20°	51885	43894	17301	1191	1246
25°	52713	46462	11611	1159	1235
30°	58506	46157	5986	1173	1293
35°	61034	45119	1661	1240	1430
40°	66772	39568	787	1326	1574
45°	65347	33636	804	1437	1754
50°	47102	8306	884	1581	1929
55°	9038	510	931	1711	2162
60°	448	517	896	1791	2342
65°	448	530	897	1875	2486
70°	453	554	856	1863	2518
75°	466	599	865	1863	2595
80°	198	694	893	1984	2579
85°	395	395	790	1778	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	5.4
10°-20°	34.1	14.8
20°-30°	52.5	22.7
30°-40°	61.7	26.7
40°-50°	49.4	21.4
50°-60°	15.4	6.6
60°-70°	2.9	1.3
70°-80°	1.9	0.8
80°-90°	0.7	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°	99.1	42.9
0°-40°	160.7	69.6
0°-60°	225.5	97.6
0°-90°	231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	183	170	141	100	77	19
15°	284	211	121	8	7	78
25°	277	244	61	6	6	131
35°	290	215	8	6	7	184
45°	268	138	3	6	7	192
55°	30	2	3	6	7	48
65°	1	1	2	5	6	1
75°	1	1	1	3	4	1
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°	142.2	142.2	142.2	142.2	142.2	142.2	142.2	142.2	142.2	142.2	142.2
2.5°	164.0	162.3	162.3	161.6	161.0	161.2	159.4	160.1	158.3	157.0	155.9
5°	183.0	180.8	180.6	179.5	178.4	177.5	175.3	174.0	171.4	169.9	166.6
7.5°	202.6	200.9	199.8	198.5	196.5	194.3	190.6	188.2	184.1	179.9	175.8
10°	223.5	222.0	219.6	218.1	212.6	209.2	204.1	200.9	194.8	189.3	183.0
12.5°	260.2	259.3	254.7	251.7	243.8	236.8	225.9	217.2	206.3	197.4	188.9
15°	284.0	282.9	280.5	277.6	272.6	264.8	255.0	242.7	227.5	211.3	196.9
17.5°	288.1	288.3	286.8	286.1	282.9	277.9	270.0	260.8	245.6	227.7	208.1
20°	283.1	284.8	284.4	285.7	286.4	284.4	279.2	270.2	256.9	239.5	217.4
22.5°	277.0	278.5	278.1	280.5	284.2	286.1	284.4	277.2	263.7	244.3	222.7
25°	277.4	278.5	275.2	276.8	281.6	286.4	286.6	280.2	265.6	244.5	222.2
27.5°	287.0	283.7	276.3	275.7	281.6	287.7	288.1	280.2	262.8	239.9	217.9
30°	294.2	291.8	283.5	282.4	288.1	292.2	290.1	277.9	256.0	232.1	211.5
32.5°	290.7	291.2	287.7	291.2	298.6	300.3	291.2	272.2	246.7	224.4	204.1
35°	290.3	292.0	294.0	299.4	304.5	300.3	285.7	261.5	236.6	214.6	192.6
37.5°	292.9	295.7	298.6	303.4	303.4	292.7	271.3	248.0	224.6	200.6	168.6
40°	297.0	298.8	299.7	299.2	293.3	277.6	255.0	231.6	209.4	176.0	152.7
42.5°	291.6	291.4	290.5	286.8	275.9	255.4	234.2	215.3	180.1	158.8	132.2
45°	268.3	268.3	265.9	260.0	249.9	232.9	214.2	186.5	164.2	138.1	98.1
47.5°	203.0	201.5	204.1	207.6	207.6	206.1	189.1	165.1	142.4	99.7	31.4
50°	175.8	173.4	170.1	170.8	170.3	172.1	161.2	143.1	105.3	31.0	2.2
52.5°	99.5	103.8	114.5	129.5	136.3	138.7	131.9	108.8	35.5	2.0	1.7
55°	30.1	31.0	35.1	43.2	58.7	75.0	76.1	35.3	2.4	1.7	1.7
57.5°	1.3	1.3	1.7	2.6	6.1	9.2	9.8	2.2	1.5	1.7	1.7
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.7
62.5°	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5
67.5°	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	1.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
77.5°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	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	0.2	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°	142.2	142.2	142.2	142.2	142.2	142.2	142.2	142.2
2.5°	154.4	152.7	150.7	142.4	134.3	123.4	116.0	113.8
5°	163.8	161.0	156.6	140.9	121.9	100.3	82.9	76.6
7.5°	171.6	167.3	161.2	138.7	107.1	68.0	43.8	37.1
10°	177.3	171.9	164.0	134.8	87.5	37.5	14.8	11.1
12.5°	182.1	174.9	165.5	128.9	63.7	15.3	7.6	7.6
15°	185.4	176.7	166.2	120.6	41.2	8.1	7.2	7.2
17.5°	190.0	178.6	166.2	109.0	22.5	7.0	7.0	7.0
20°	197.4	180.6	163.8	94.4	12.4	6.5	6.8	6.8
22.5°	201.3	183.4	160.7	77.4	7.9	6.3	6.5	6.5
25°	202.2	183.0	154.2	61.1	6.3	6.1	6.3	6.5
27.5°	199.1	179.9	145.5	44.5	5.7	5.9	6.3	6.5
30°	193.7	172.5	131.5	30.1	5.2	5.9	6.3	6.5
32.5°	183.4	154.6	115.2	18.1	5.0	5.9	6.3	6.8
35°	160.5	135.9	96.4	7.9	4.8	5.9	6.5	6.8
37.5°	143.9	117.1	74.6	3.9	4.8	5.9	6.5	7.0
40°	125.6	94.2	34.5	3.5	4.8	5.9	6.5	7.0
42.5°	95.7	43.6	4.1	3.5	4.6	5.9	6.8	7.0
45°	34.9	4.6	2.2	3.3	4.6	5.9	6.8	7.2
47.5°	2.6	1.7	2.0	3.3	4.6	5.9	6.8	7.2
50°	1.7	1.7	2.0	3.3	4.6	5.9	6.8	7.2
52.5°	1.7	2.0	2.0	3.1	4.4	5.9	6.8	7.2
55°	1.7	2.0	2.0	3.1	4.4	5.7	6.8	7.2
57.5°	1.7	1.7	2.0	2.8	4.1	5.5	6.8	7.0
60°	1.7	1.7	2.0	2.6	3.9	5.2	6.3	6.8
62.5°	1.7	1.7	1.7	2.4	3.7	5.0	6.1	6.5
65°	1.5	1.5	1.7	2.2	3.3	4.6	5.7	6.1
67.5°	1.3	1.5	1.5	2.0	3.1	4.1	5.2	5.7
70°	1.3	1.3	1.3	1.7	2.6	3.7	4.8	5.0
72.5°	1.1	1.1	1.3	1.5	2.4	3.3	4.4	4.6
75°	0.9	1.1	1.1	1.3	2.0	2.8	3.7	3.9
77.5°	0.9	0.9	0.9	1.1	1.7	2.4	3.1	3.3
80°	0.7	0.7	0.7	0.9	1.3	2.0	2.4	2.6
82.5°	0.4	0.7	0.7	0.7	1.1	1.3	1.7	2.0
85°	0.4	0.4	0.4	0.4	0.7	0.9	1.1	1.3
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)