

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: P1316746

Luminaire Tested: P3SQAS02R609830DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316746
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: P3SQAS02R609830DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

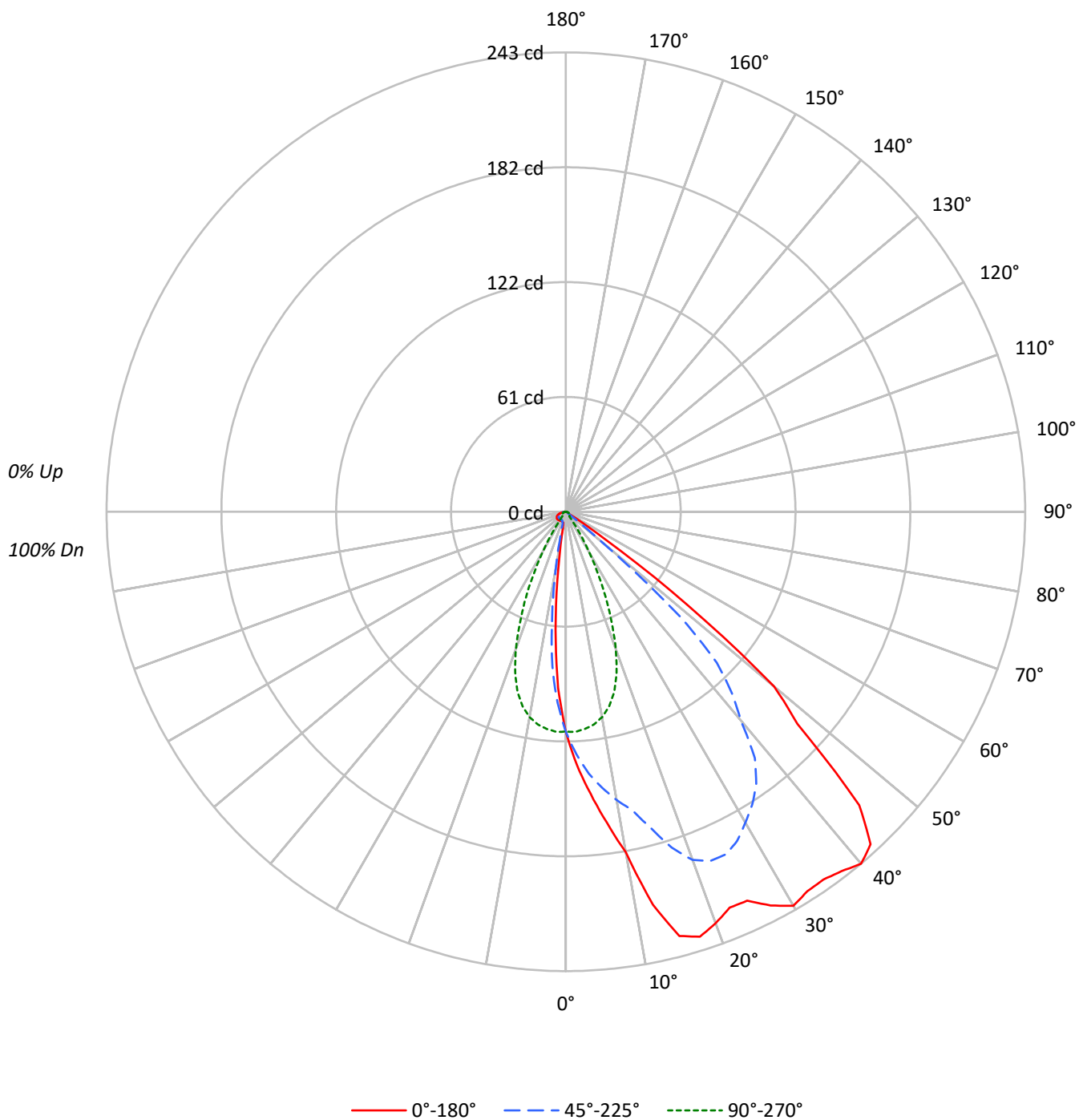
Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	42	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°	20029	20029	20029	20029	20029
5°	25880	24030	19933	14193	10822
10°	31985	27089	19289	5369	1591
15°	41419	30828	17598	1177	1052
20°	42447	35904	14167	990	1008
25°	43136	38005	9501	950	1026
30°	47867	37765	4892	955	1074
35°	49933	36919	1346	1009	1156
40°	54631	32374	652	1079	1281
45°	53461	27522	658	1169	1437
50°	38528	6779	723	1286	1581
55°	7386	420	751	1381	1772
60°	379	413	723	1481	1894
65°	367	448	734	1508	2038
70°	352	453	705	1511	2065
75°	333	466	732	1530	2129
80°	198	496	694	1587	2083
85°	395	395	790	1383	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	5.4
10°-20°	27.9	14.8
20°-30°	43.0	22.7
30°-40°	50.4	26.7
40°-50°	40.4	21.4
50°-60°	12.6	6.6
60°-70°	2.4	1.3
70°-80°	1.6	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°	81.0	42.9
0°-40°	131.5	69.6
0°-60°	184.5	97.6
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	150	139	115	82	63	15
15°	232	173	99	7	6	64
25°	227	200	50	5	5	107
35°	238	176	6	5	6	150
45°	220	113	3	5	6	157
55°	25	1	2	5	6	39
65°	1	1	2	4	5	1
75°	0	1	1	2	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°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2.5°	134.2	132.8	132.8	132.2	131.7	131.9	130.4	131.0	129.5	128.5	127.6
5°	149.7	147.9	147.7	146.9	146.0	145.2	143.5	142.4	140.3	139.0	136.3
7.5°	165.8	164.3	163.5	162.4	160.8	159.0	156.0	154.0	150.6	147.2	143.8
10°	182.9	181.7	179.7	178.4	174.0	171.1	167.0	164.3	159.3	154.9	149.7
12.5°	212.9	212.2	208.4	205.9	199.5	193.8	184.9	177.7	168.8	161.5	154.5
15°	232.3	231.4	229.5	227.2	223.0	216.6	208.6	198.6	186.1	172.9	161.1
17.5°	235.7	235.9	234.6	234.1	231.4	227.3	220.9	213.4	200.9	186.3	170.2
20°	231.6	233.0	232.7	233.8	234.3	232.7	228.4	221.1	210.2	195.9	177.9
22.5°	226.6	227.9	227.5	229.5	232.5	234.1	232.7	226.8	215.7	199.9	182.2
25°	227.0	227.9	225.2	226.4	230.4	234.3	234.5	229.3	217.3	200.0	181.8
27.5°	234.8	232.1	226.1	225.5	230.4	235.4	235.7	229.3	215.0	196.3	178.3
30°	240.7	238.8	232.0	231.1	235.7	239.1	237.3	227.3	209.5	189.9	173.1
32.5°	237.9	238.2	235.4	238.2	244.3	245.7	238.2	222.7	201.8	183.6	167.0
35°	237.5	238.9	240.5	245.0	249.1	245.7	233.8	213.9	193.6	175.6	157.6
37.5°	239.6	242.0	244.3	248.2	248.2	239.5	222.0	202.9	183.8	164.2	137.9
40°	243.0	244.5	245.2	244.8	240.0	227.2	208.6	189.5	171.3	144.0	124.9
42.5°	238.6	238.4	237.7	234.6	225.7	209.0	191.6	176.1	147.4	129.9	108.1
45°	219.5	219.5	217.5	212.7	204.5	190.6	175.2	152.6	134.4	113.0	80.3
47.5°	166.1	164.9	167.0	169.9	169.9	168.6	154.7	135.1	116.5	81.5	25.7
50°	143.8	141.9	139.2	139.7	139.4	140.8	131.9	117.1	86.2	25.3	1.8
52.5°	81.4	84.9	93.7	106.0	111.5	113.5	108.0	89.0	29.1	1.6	1.4
55°	24.6	25.3	28.7	35.3	48.0	61.4	62.3	28.9	2.0	1.4	1.4
57.5°	1.1	1.1	1.4	2.1	5.0	7.5	8.0	1.8	1.2	1.4	1.4
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.4
62.5°	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.2
67.5°	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
72.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.9
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
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°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2.5°	126.3	124.9	123.3	116.5	109.9	101.0	94.9	93.1
5°	134.0	131.7	128.1	115.3	99.7	82.1	67.8	62.6
7.5°	140.4	136.9	131.9	113.5	87.6	55.7	35.9	30.3
10°	145.1	140.6	134.2	110.3	71.6	30.7	12.1	9.1
12.5°	149.0	143.1	135.4	105.5	52.1	12.5	6.2	6.2
15°	151.7	144.5	136.0	98.7	33.7	6.6	5.9	5.9
17.5°	155.4	146.1	136.0	89.2	18.4	5.7	5.7	5.7
20°	161.5	147.7	134.0	77.3	10.2	5.4	5.5	5.5
22.5°	164.7	150.1	131.5	63.3	6.4	5.2	5.4	5.4
25°	165.4	149.7	126.2	50.0	5.2	5.0	5.2	5.4
27.5°	162.9	147.2	119.0	36.4	4.6	4.8	5.2	5.4
30°	158.5	141.1	107.6	24.6	4.3	4.8	5.2	5.4
32.5°	150.1	126.5	94.2	14.8	4.1	4.8	5.2	5.5
35°	131.3	111.2	78.9	6.4	3.9	4.8	5.4	5.5
37.5°	117.8	95.8	61.0	3.2	3.9	4.8	5.4	5.7
40°	102.8	77.1	28.2	2.9	3.9	4.8	5.4	5.7
42.5°	78.3	35.7	3.4	2.9	3.7	4.8	5.5	5.7
45°	28.6	3.7	1.8	2.7	3.7	4.8	5.5	5.9
47.5°	2.1	1.4	1.6	2.7	3.7	4.8	5.5	5.9
50°	1.4	1.4	1.6	2.7	3.7	4.8	5.5	5.9
52.5°	1.4	1.6	1.6	2.5	3.6	4.8	5.5	5.9
55°	1.4	1.6	1.6	2.5	3.6	4.6	5.5	5.9
57.5°	1.4	1.4	1.6	2.3	3.4	4.5	5.5	5.7
60°	1.4	1.4	1.6	2.1	3.2	4.3	5.2	5.5
62.5°	1.4	1.4	1.4	2.0	3.0	4.1	5.0	5.4
65°	1.2	1.2	1.4	1.8	2.7	3.7	4.6	5.0
67.5°	1.1	1.2	1.2	1.6	2.5	3.4	4.3	4.6
70°	1.1	1.1	1.1	1.4	2.1	3.0	3.9	4.1
72.5°	0.9	0.9	1.1	1.2	2.0	2.7	3.6	3.7
75°	0.7	0.9	0.9	1.1	1.6	2.3	3.0	3.2
77.5°	0.7	0.7	0.7	0.9	1.4	2.0	2.5	2.7
80°	0.5	0.5	0.5	0.7	1.1	1.6	2.0	2.1
82.5°	0.4	0.5	0.5	0.5	0.9	1.1	1.4	1.6
85°	0.4	0.4	0.4	0.4	0.5	0.7	0.9	1.1
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)