

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: P1307581

Luminaire Tested: P3SQAS02R609030DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307581
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: P3SQAS02R609030DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

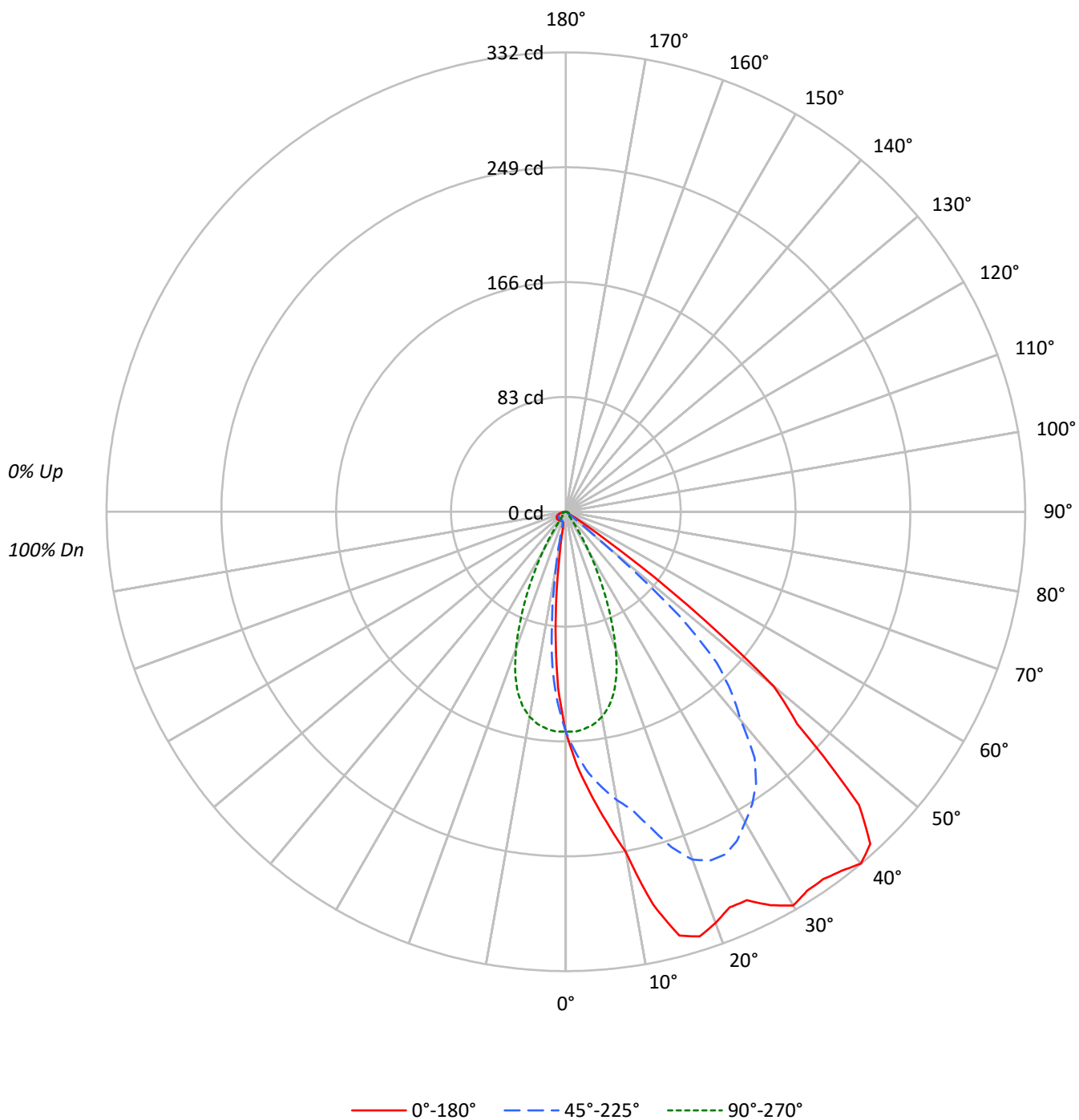
Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	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°	27349	27349	27349	27349	27349
5°	35337	32813	27211	19363	14781
10°	43667	36970	26319	7327	2169
15°	56538	42078	24017	1605	1426
20°	57952	49026	19336	1338	1393
25°	58870	51896	12960	1292	1387
30°	65347	51546	6682	1313	1452
35°	68161	50396	1850	1388	1598
40°	74596	44200	877	1484	1754
45°	72970	37557	901	1607	1948
50°	52595	9270	991	1768	2143
55°	10089	570	1021	1892	2402
60°	517	586	999	1998	2618
65°	489	611	978	2078	2771
70°	504	604	957	2065	2820
75°	466	665	998	2129	2928
80°	198	694	992	2182	2876
85°	395	395	988	1976	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	5.4
10°-20°	38.1	14.8
20°-30°	58.7	22.7
30°-40°	68.9	26.7
40°-50°	55.2	21.4
50°-60°	17.1	6.6
60°-70°	3.2	1.3
70°-80°	2.2	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°	110.6	42.9
0°-40°	179.5	69.6
0°-60°	251.9	97.6
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	159	159	159	159	159	
5°	204	190	157	112	86	21
15°	317	236	135	9	8	87
25°	310	273	68	7	7	146
35°	324	240	9	7	8	205
45°	300	154	4	7	8	214
55°	34	2	3	6	8	53
65°	1	2	2	5	7	1
75°	1	1	2	3	4	1
85°	0	0	0	1	2	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°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	183.2	181.2	181.2	180.5	179.8	180.0	178.1	178.8	176.8	175.4	174.2
5°	204.4	201.9	201.7	200.5	199.3	198.3	195.8	194.4	191.5	189.8	186.1
7.5°	226.3	224.3	223.1	221.7	219.5	217.0	212.9	210.2	205.6	201.0	196.3
10°	249.7	248.0	245.3	243.6	237.5	233.6	228.0	224.3	217.5	211.4	204.4
12.5°	290.6	289.6	284.5	281.1	272.3	264.5	252.4	242.6	230.4	220.4	210.9
15°	317.1	315.9	313.2	310.1	304.5	295.7	284.7	271.1	254.1	236.0	220.0
17.5°	321.8	322.0	320.3	319.6	315.9	310.3	301.6	291.3	274.3	254.3	232.4
20°	316.2	318.1	317.6	319.1	319.8	317.6	311.8	301.8	286.9	267.5	242.9
22.5°	309.4	311.1	310.6	313.2	317.4	319.6	317.6	309.6	294.5	272.8	248.7
25°	309.8	311.1	307.4	309.1	314.5	319.8	320.1	313.0	296.7	273.1	248.2
27.5°	320.6	316.9	308.6	307.9	314.5	321.3	321.8	313.0	293.5	267.9	243.3
30°	328.6	325.9	316.7	315.4	321.8	326.4	324.0	310.3	286.0	259.2	236.3
32.5°	324.7	325.2	321.3	325.2	333.5	335.4	325.2	304.0	275.5	250.6	228.0
35°	324.2	326.2	328.4	334.4	340.0	335.4	319.1	292.1	264.3	239.7	215.1
37.5°	327.1	330.3	333.5	338.8	338.8	326.9	303.0	277.0	250.9	224.1	188.3
40°	331.8	333.7	334.7	334.2	327.6	310.1	284.7	258.7	233.8	196.6	170.5
42.5°	325.7	325.4	324.5	320.3	308.1	285.2	261.6	240.4	201.2	177.3	147.6
45°	299.6	299.6	296.9	290.4	279.1	260.1	239.2	208.3	183.4	154.2	109.6
47.5°	226.8	225.1	228.0	231.9	231.9	230.2	211.2	184.4	159.1	111.3	35.1
50°	196.3	193.6	190.0	190.7	190.2	192.2	180.0	159.8	117.7	34.6	2.4
52.5°	111.1	115.9	127.9	144.7	152.2	154.9	147.4	121.5	39.7	2.2	1.9
55°	33.6	34.6	39.2	48.2	65.5	83.8	85.0	39.5	2.7	1.9	1.9
57.5°	1.5	1.5	1.9	2.9	6.8	10.2	11.0	2.4	1.7	1.9	1.9
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.9
62.5°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.7
67.5°	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2
72.5°	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.2
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	0.2	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°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	172.5	170.5	168.3	159.1	150.0	137.9	129.6	127.2
5°	182.9	179.8	174.9	157.4	136.2	112.0	92.6	85.5
7.5°	191.7	186.8	180.0	154.9	119.6	76.0	49.0	41.4
10°	198.0	191.9	183.2	150.5	97.7	41.9	16.6	12.4
12.5°	203.4	195.4	184.9	144.0	71.1	17.1	8.5	8.5
15°	207.0	197.3	185.6	134.7	46.0	9.0	8.0	8.0
17.5°	212.2	199.5	185.6	121.8	25.1	7.8	7.8	7.8
20°	220.4	201.7	182.9	105.5	13.9	7.3	7.6	7.6
22.5°	224.8	204.9	179.5	86.5	8.8	7.1	7.3	7.3
25°	225.8	204.4	172.2	68.2	7.1	6.8	7.1	7.3
27.5°	222.4	201.0	162.5	49.7	6.3	6.6	7.1	7.3
30°	216.3	192.7	146.9	33.6	5.8	6.6	7.1	7.3
32.5°	204.9	172.7	128.6	20.2	5.6	6.6	7.1	7.6
35°	179.3	151.8	107.7	8.8	5.4	6.6	7.3	7.6
37.5°	160.8	130.8	83.3	4.4	5.4	6.6	7.3	7.8
40°	140.3	105.2	38.5	3.9	5.4	6.6	7.3	7.8
42.5°	106.9	48.7	4.6	3.9	5.1	6.6	7.6	7.8
45°	39.0	5.1	2.4	3.7	5.1	6.6	7.6	8.0
47.5°	2.9	1.9	2.2	3.7	5.1	6.6	7.6	8.0
50°	1.9	1.9	2.2	3.7	5.1	6.6	7.6	8.0
52.5°	1.9	2.2	2.2	3.4	4.9	6.6	7.6	8.0
55°	1.9	2.2	2.2	3.4	4.9	6.3	7.6	8.0
57.5°	1.9	1.9	2.2	3.2	4.6	6.1	7.6	7.8
60°	1.9	1.9	2.2	2.9	4.4	5.8	7.1	7.6
62.5°	1.9	1.9	1.9	2.7	4.1	5.6	6.8	7.3
65°	1.7	1.7	1.9	2.4	3.7	5.1	6.3	6.8
67.5°	1.5	1.7	1.7	2.2	3.4	4.6	5.8	6.3
70°	1.5	1.5	1.5	1.9	2.9	4.1	5.4	5.6
72.5°	1.2	1.2	1.5	1.7	2.7	3.7	4.9	5.1
75°	1.0	1.2	1.2	1.5	2.2	3.2	4.1	4.4
77.5°	1.0	1.0	1.0	1.2	1.9	2.7	3.4	3.7
80°	0.7	0.7	0.7	1.0	1.5	2.2	2.7	2.9
82.5°	0.5	0.7	0.7	0.7	1.2	1.5	1.9	2.2
85°	0.5	0.5	0.5	0.5	0.7	1.0	1.2	1.5
87.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)