

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: P1313956

Luminaire Tested: P3SQAS02R609735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313956
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: P3SQAS02R609735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

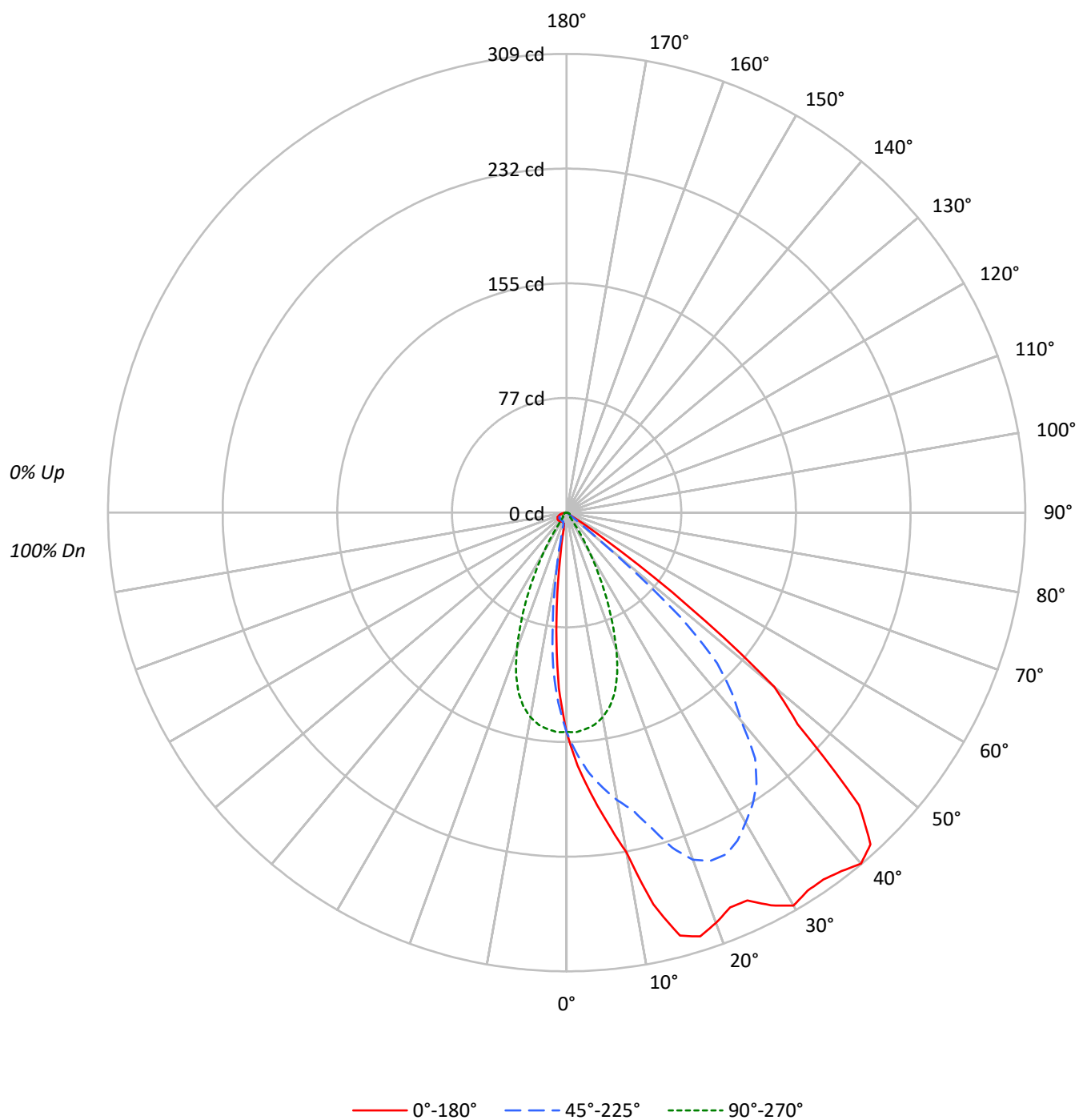
Lumens per Lamp: N/A
Luminaire Lumens: 240.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55		64	59	55		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38		47	42	38		47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25437	25437	25437	25437	25437
5°	32865	30513	25310	18014	13744
10°	40624	34399	24483	6820	2029
15°	52598	39154	22341	1498	1337
20°	53901	45599	17979	1246	1283
25°	54766	48267	12048	1197	1292
30°	60793	47946	6224	1213	1352
35°	63410	46885	1724	1282	1472
40°	69380	41120	809	1371	1641
45°	67880	34926	828	1486	1827
50°	48924	8627	911	1634	2009
55°	9398	540	961	1772	2252
60°	482	551	930	1860	2411
65°	448	571	937	1956	2567
70°	453	554	906	1964	2618
75°	466	599	932	1930	2728
80°	198	694	893	1984	2678
85°	395	395	988	1778	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	5.4
10°-20°	35.5	14.8
20°-30°	54.6	22.7
30°-40°	64.1	26.7
40°-50°	51.4	21.4
50°-60°	15.9	6.6
60°-70°	3.0	1.3
70°-80°	2.0	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°	102.9	42.9
0°-40°	167.0	69.6
0°-60°	234.3	97.6
0°-90°	240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	240.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	148	148	148	148	148	
5°	190	176	146	104	80	19
15°	295	220	125	8	8	81
25°	288	254	63	6	7	136
35°	302	223	8	6	7	191
45°	279	143	3	6	8	199
55°	31	2	3	6	8	49
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°	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7
2.5°	170.4	168.6	168.6	167.9	167.2	167.4	165.6	166.3	164.5	163.1	162.0
5°	190.1	187.8	187.6	186.5	185.4	184.4	182.2	180.8	178.1	176.5	173.1
7.5°	210.5	208.7	207.6	206.2	204.2	201.9	198.0	195.5	191.2	186.9	182.6
10°	232.3	230.7	228.2	226.6	220.9	217.3	212.1	208.7	202.3	196.7	190.1
12.5°	270.3	269.4	264.7	261.5	253.3	246.1	234.7	225.7	214.4	205.1	196.2
15°	295.0	293.9	291.4	288.4	283.2	275.1	264.9	252.2	236.3	219.6	204.6
17.5°	299.3	299.6	298.0	297.3	293.9	288.7	280.5	271.0	255.1	236.6	216.2
20°	294.1	295.9	295.5	296.8	297.5	295.5	290.0	280.7	266.9	248.8	225.9
22.5°	287.8	289.4	288.9	291.4	295.2	297.3	295.5	288.0	273.9	253.8	231.3
25°	288.2	289.4	286.0	287.5	292.5	297.5	297.7	291.2	276.0	254.0	230.9
27.5°	298.2	294.8	287.1	286.4	292.5	298.9	299.3	291.2	273.0	249.2	226.4
30°	305.7	303.2	294.6	293.4	299.3	303.6	301.4	288.7	266.0	241.1	219.8
32.5°	302.0	302.5	298.9	302.5	310.2	312.0	302.5	282.8	256.3	233.2	212.1
35°	301.6	303.4	305.4	311.1	316.3	312.0	296.8	271.7	245.9	223.0	200.1
37.5°	304.3	307.3	310.2	315.2	315.2	304.1	281.9	257.6	233.4	208.5	175.2
40°	308.6	310.4	311.3	310.9	304.8	288.4	264.9	240.6	217.5	182.9	158.6
42.5°	303.0	302.7	301.8	298.0	286.6	265.3	243.4	223.6	187.2	165.0	137.3
45°	278.7	278.7	276.2	270.1	259.7	242.0	222.5	193.7	170.6	143.4	102.0
47.5°	211.0	209.4	212.1	215.7	215.7	214.1	196.5	171.5	148.0	103.6	32.6
50°	182.6	180.1	176.7	177.4	177.0	178.8	167.4	148.6	109.4	32.2	2.3
52.5°	103.3	107.9	119.0	134.6	141.6	144.1	137.1	113.1	36.9	2.0	1.8
55°	31.3	32.2	36.5	44.9	61.0	77.9	79.1	36.7	2.5	1.8	1.8
57.5°	1.4	1.4	1.8	2.7	6.3	9.5	10.2	2.3	1.6	1.8	1.8
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.8
62.5°	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.6
67.5°	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4
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°	0.5	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°	147.7	147.7	147.7	147.7	147.7	147.7	147.7	147.7
2.5°	160.4	158.6	156.6	148.0	139.6	128.2	120.5	118.3
5°	170.2	167.2	162.7	146.4	126.7	104.2	86.1	79.5
7.5°	178.3	173.8	167.4	144.1	111.3	70.7	45.5	38.5
10°	184.2	178.6	170.4	140.0	90.9	39.0	15.4	11.6
12.5°	189.2	181.7	172.0	133.9	66.2	15.9	7.9	7.9
15°	192.6	183.5	172.7	125.3	42.8	8.4	7.5	7.5
17.5°	197.4	185.6	172.7	113.3	23.3	7.3	7.3	7.3
20°	205.1	187.6	170.2	98.1	12.9	6.8	7.0	7.0
22.5°	209.1	190.6	167.0	80.4	8.2	6.6	6.8	6.8
25°	210.0	190.1	160.2	63.4	6.6	6.3	6.6	6.8
27.5°	206.9	186.9	151.1	46.2	5.9	6.1	6.6	6.8
30°	201.2	179.2	136.6	31.3	5.4	6.1	6.6	6.8
32.5°	190.6	160.7	119.6	18.8	5.2	6.1	6.6	7.0
35°	166.8	141.2	100.2	8.2	5.0	6.1	6.8	7.0
37.5°	149.5	121.7	77.5	4.1	5.0	6.1	6.8	7.3
40°	130.5	97.9	35.8	3.6	5.0	6.1	6.8	7.3
42.5°	99.5	45.3	4.3	3.6	4.8	6.1	7.0	7.3
45°	36.3	4.8	2.3	3.4	4.8	6.1	7.0	7.5
47.5°	2.7	1.8	2.0	3.4	4.8	6.1	7.0	7.5
50°	1.8	1.8	2.0	3.4	4.8	6.1	7.0	7.5
52.5°	1.8	2.0	2.0	3.2	4.5	6.1	7.0	7.5
55°	1.8	2.0	2.0	3.2	4.5	5.9	7.0	7.5
57.5°	1.8	1.8	2.0	2.9	4.3	5.7	7.0	7.3
60°	1.8	1.8	2.0	2.7	4.1	5.4	6.6	7.0
62.5°	1.8	1.8	1.8	2.5	3.9	5.2	6.3	6.8
65°	1.6	1.6	1.8	2.3	3.4	4.8	5.9	6.3
67.5°	1.4	1.6	1.6	2.0	3.2	4.3	5.4	5.9
70°	1.4	1.4	1.4	1.8	2.7	3.9	5.0	5.2
72.5°	1.1	1.1	1.4	1.6	2.5	3.4	4.5	4.8
75°	0.9	1.1	1.1	1.4	2.0	2.9	3.9	4.1
77.5°	0.9	0.9	0.9	1.1	1.8	2.5	3.2	3.4
80°	0.7	0.7	0.7	0.9	1.4	2.0	2.5	2.7
82.5°	0.5	0.7	0.7	0.7	1.1	1.4	1.8	2.0
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.1	1.4
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)