

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: P1314926

Luminaire Tested: P3SQAS02R609740DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609740DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

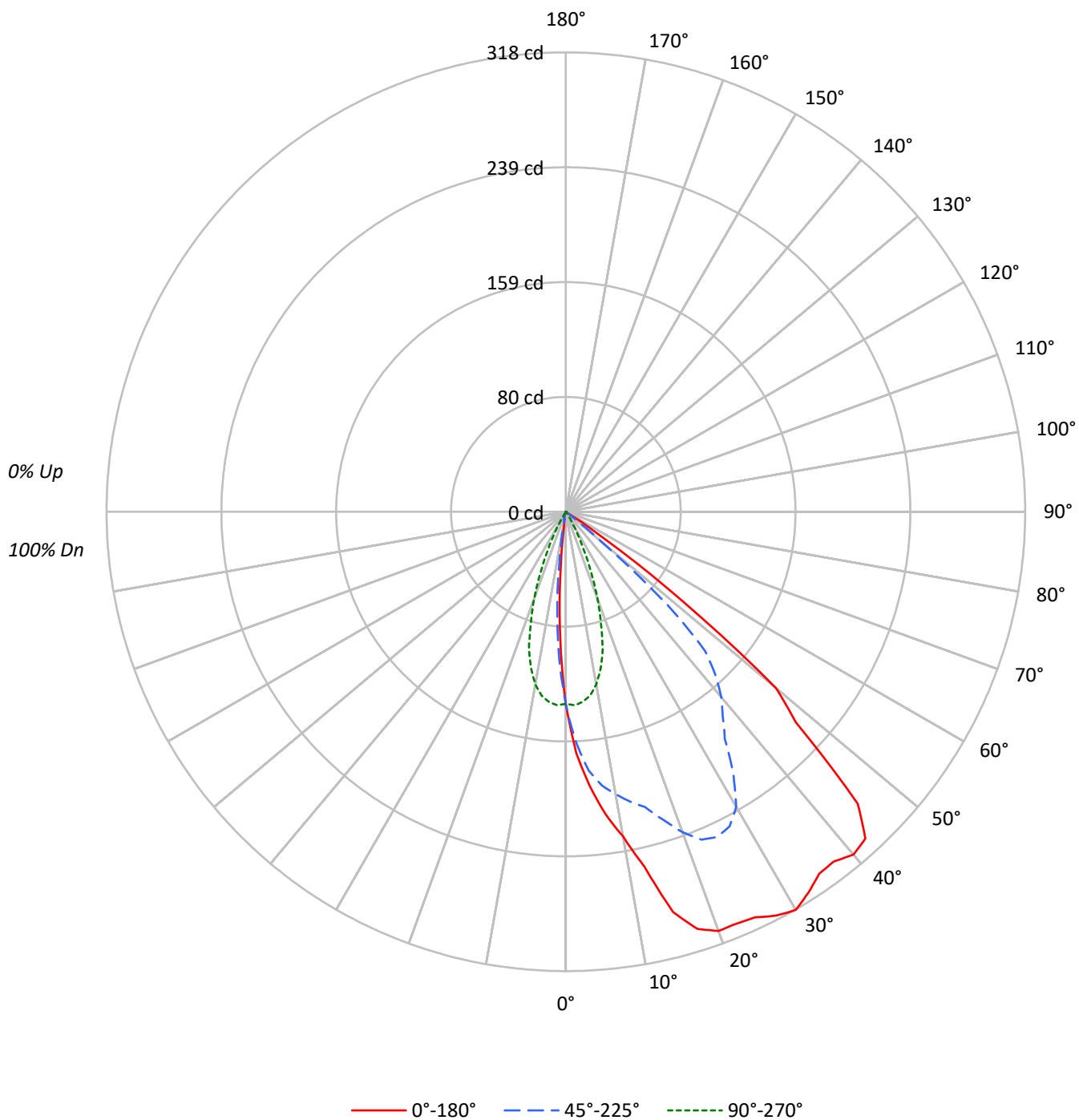
Lumens per Lamp: N/A
Luminaire Lumens: 215.9 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	70	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22888	22888	22888	22888	22888
5°	32986	31067	22855	11773	7555
10°	39907	34731	21213	1399	822
15°	51136	37728	17580	927	767
20°	56595	43253	11785	513	92
25°	58870	47184	5796	38	0
30°	63299	46893	1591	0	0
35°	64293	40367	0	0	0
40°	69649	37635	0	0	0
45°	69585	33222	0	0	0
50°	50934	8038	0	0	0
55°	9939	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 69682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	5.3
10°-20°	32.5	15.1
20°-30°	51.8	24.0
30°-40°	59.9	27.7
40°-50°	47.5	22.0
50°-60°	12.5	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	0.1
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°	95.7	44.3
0°-40°	155.6	72.0
0°-60°	215.6	99.9
0°-90°	215.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	191	180	132	68	44	19
15°	287	212	99	5	4	80
25°	310	248	30	0	0	144
35°	306	192	0	0	0	194
45°	286	136	0	0	0	203
55°	33	0	0	0	0	50
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	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°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	167.2	168.8	168.1	167.4	165.8	165.1	165.1	163.2	160.1	159.6	157.5
5°	190.8	191.3	191.3	190.8	189.7	187.8	187.3	185.4	182.6	179.7	176.9
7.5°	211.4	211.2	209.8	208.8	206.7	204.1	201.7	199.1	194.9	191.1	187.0
10°	228.2	228.9	227.7	225.4	222.5	219.0	215.2	210.7	204.3	198.6	193.4
12.5°	251.8	251.6	248.5	244.5	237.7	231.0	225.1	220.2	212.4	205.5	199.1
15°	286.8	286.4	283.5	280.0	270.1	260.1	250.0	236.0	223.0	211.6	202.7
17.5°	302.7	303.6	301.3	299.4	293.7	287.1	278.1	264.1	244.0	223.5	204.5
20°	308.8	310.0	308.4	308.1	305.5	302.4	295.1	280.0	260.4	236.0	212.6
22.5°	308.6	309.5	308.8	311.9	315.0	313.3	304.3	289.2	269.1	245.7	219.2
25°	309.8	309.1	306.5	311.0	315.5	314.0	309.5	296.5	274.5	248.3	221.6
27.5°	315.2	310.0	304.8	310.5	312.6	313.1	310.5	295.1	273.6	245.5	216.8
30°	318.3	312.6	308.4	313.1	313.1	315.7	310.3	292.8	265.6	235.8	204.3
32.5°	312.6	311.4	315.2	319.9	321.1	321.1	309.1	284.9	252.1	215.9	184.2
35°	305.8	308.6	319.5	321.6	321.6	316.4	301.7	271.2	232.0	192.0	169.3
37.5°	305.0	309.5	321.6	319.0	314.7	305.0	283.8	247.3	203.4	178.5	158.2
40°	309.8	314.0	321.1	311.7	301.5	286.4	260.8	216.1	186.1	167.4	144.7
42.5°	306.9	311.0	311.2	297.2	282.8	262.2	228.4	190.8	173.6	153.2	129.3
45°	285.7	286.1	285.2	270.3	255.4	234.1	198.2	178.3	159.9	136.4	95.1
47.5°	215.9	215.0	218.5	214.2	215.0	202.2	180.0	163.6	141.6	95.8	28.8
50°	190.1	188.9	185.4	181.6	177.8	171.7	161.3	143.8	102.2	30.0	0.9
52.5°	101.9	107.6	118.7	135.7	142.1	141.6	133.8	106.4	32.2	0.2	0.0
55°	33.1	32.6	36.4	43.0	59.1	68.1	70.9	36.2	0.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.4	6.1	8.0	0.5	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	154.7	151.3	147.6	134.1	118.2	102.9	91.8	88.9
5°	172.4	166.7	158.7	132.2	97.7	68.1	48.7	43.7
7.5°	181.6	176.6	168.1	128.4	75.7	33.6	12.5	8.5
10°	187.3	181.4	171.9	121.3	49.4	8.0	4.5	4.7
12.5°	191.3	184.4	173.8	111.1	25.1	4.0	5.7	5.9
15°	193.0	185.6	173.6	98.6	9.0	5.2	5.0	4.3
17.5°	192.0	182.8	170.5	80.6	3.1	5.0	2.6	2.1
20°	190.8	180.4	165.5	64.3	2.6	2.8	0.9	0.5
22.5°	194.6	176.4	158.7	46.1	2.6	0.9	0.0	0.0
25°	195.1	174.8	149.9	30.5	1.2	0.2	0.0	0.0
27.5°	190.4	165.1	136.4	18.0	0.0	0.0	0.0	0.0
30°	175.2	153.0	122.0	8.0	0.0	0.0	0.0	0.0
32.5°	160.3	139.5	105.9	1.9	0.0	0.0	0.0	0.0
35°	148.5	125.6	88.2	0.0	0.0	0.0	0.0	0.0
37.5°	133.8	109.0	65.7	0.0	0.0	0.0	0.0	0.0
40°	118.5	88.0	32.9	0.0	0.0	0.0	0.0	0.0
42.5°	92.5	41.9	3.3	0.0	0.0	0.0	0.0	0.0
45°	35.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)