

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: P1314900

Luminaire Tested: P3SQAS02R459740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

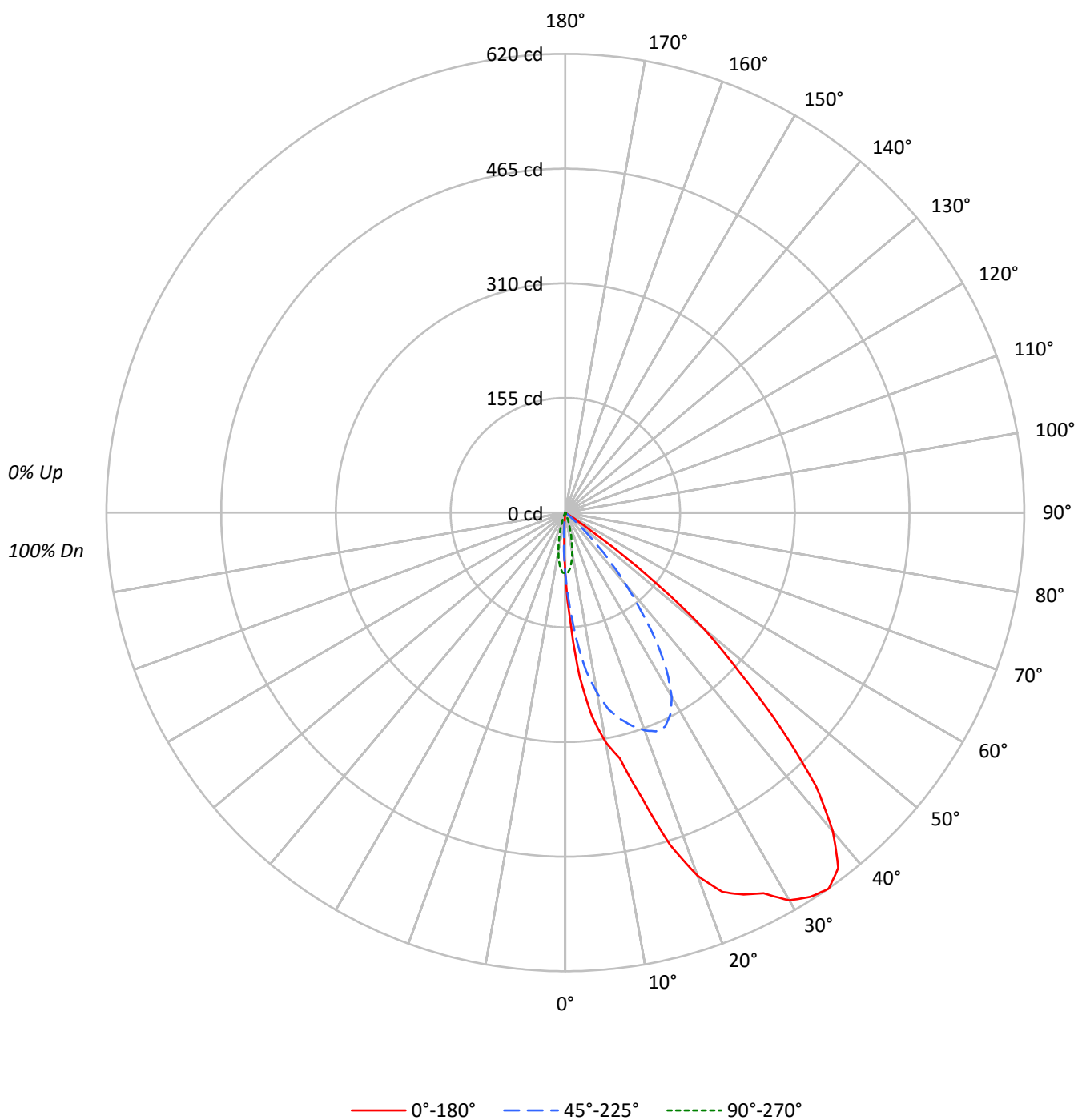
Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14071	14071	14071	14071	14071
5°	38397	29545	13018	2610	985
10°	55157	43353	9409	245	210
15°	71016	51564	5010	89	0
20°	95706	57365	1906	0	0
25°	108239	60600	494	0	0
30°	120334	57134	40	0	0
35°	130436	45560	0	0	0
40°	126417	28597	0	0	0
45°	100225	13615	0	0	0
50°	65589	1715	0	0	0
55°	11260	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	252	0	0
75°	0	133	333	0	0
80°	0	198	496	198	0
85°	0	395	988	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100225 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	3.7
10°-20°	37.5	14.2
20°-30°	70.1	26.7
30°-40°	81.9	31.1
40°-50°	53.4	20.3
50°-60°	9.9	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	117.3	44.6
0°-40°	199.2	75.7
0°-60°	262.5	99.8
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	222	171	75	15	6	24
15°	398	289	28	0	0	119
25°	570	319	3	0	0	263
35°	620	217	0	0	0	381
45°	412	56	0	0	0	313
55°	38	0	0	0	0	65
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°	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2.5°	144.0	145.2	142.8	141.9	138.8	139.5	134.3	132.2	128.9	123.5	120.9
5°	222.1	220.0	218.1	214.1	211.8	205.4	198.3	190.3	180.6	170.9	159.8
7.5°	277.9	276.2	275.5	272.2	267.5	260.9	251.7	241.5	229.0	216.0	199.2
10°	315.4	313.7	310.9	307.6	303.8	298.4	289.4	278.3	264.6	247.9	228.3
12.5°	339.9	339.7	335.0	331.2	326.5	321.8	312.6	303.6	290.1	272.9	250.7
15°	398.3	394.5	388.3	377.7	364.5	352.2	337.3	323.2	308.5	289.2	264.4
17.5°	471.0	466.7	456.3	442.9	421.6	398.3	372.8	350.3	328.4	302.2	272.9
20°	522.2	520.5	511.8	496.2	473.6	442.6	409.1	377.5	346.6	313.0	276.9
22.5°	555.0	554.1	550.5	539.9	516.8	482.1	438.9	396.4	359.1	319.9	275.7
25°	569.6	570.8	571.3	566.1	547.5	512.0	460.8	410.8	366.1	318.9	266.8
27.5°	580.0	580.0	581.9	579.6	560.7	523.4	469.3	415.7	363.8	307.4	247.9
30°	605.1	604.6	605.8	599.4	573.2	526.9	465.5	407.7	350.3	287.3	220.7
32.5°	615.9	616.4	616.1	606.0	575.5	524.6	456.3	392.4	325.5	255.9	184.8
35°	620.4	618.3	609.5	586.4	547.9	493.2	430.4	366.4	290.8	216.7	145.9
37.5°	605.5	599.4	580.0	548.4	501.4	448.8	387.4	319.9	244.8	170.0	109.8
40°	562.3	554.3	530.0	491.7	448.8	401.3	336.6	265.3	191.5	127.2	77.0
42.5°	501.2	492.0	465.8	432.5	393.3	343.5	279.0	207.7	140.2	87.8	48.9
45°	411.5	406.3	391.2	363.1	324.6	272.9	213.9	151.6	97.0	55.9	25.0
47.5°	318.2	311.6	300.8	281.4	249.3	200.2	149.7	102.9	62.3	27.6	5.2
50°	244.8	237.0	223.8	202.3	168.8	133.6	97.0	64.2	31.6	6.4	0.2
52.5°	140.9	142.6	136.2	122.5	103.9	80.0	56.2	32.3	7.1	0.2	0.0
55°	37.5	40.6	39.7	42.7	37.5	31.6	23.4	6.1	0.5	0.0	0.0
57.5°	0.0	0.0	0.2	0.5	1.4	2.1	0.7	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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°	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2.5°	115.0	110.0	103.9	81.2	61.1	43.9	34.2	31.6
5°	149.2	137.2	121.6	75.3	37.8	15.1	6.8	5.7
7.5°	181.5	163.8	135.7	65.9	19.1	3.8	1.9	1.7
10°	206.6	182.7	146.1	53.8	7.1	1.4	1.2	1.2
12.5°	223.8	194.8	149.9	40.8	2.6	0.7	0.7	0.5
15°	233.7	199.5	146.4	28.1	0.9	0.5	0.0	0.0
17.5°	236.8	197.6	136.9	17.7	0.2	0.0	0.0	0.0
20°	234.2	188.4	122.0	10.4	0.0	0.0	0.0	0.0
22.5°	225.7	174.0	104.1	5.7	0.0	0.0	0.0	0.0
25°	209.9	153.7	83.1	2.6	0.0	0.0	0.0	0.0
27.5°	184.1	127.5	62.6	0.9	0.0	0.0	0.0	0.0
30°	154.9	99.4	44.4	0.2	0.0	0.0	0.0	0.0
32.5°	120.9	73.2	28.6	0.0	0.0	0.0	0.0	0.0
35°	90.9	51.2	17.0	0.0	0.0	0.0	0.0	0.0
37.5°	63.3	32.3	9.0	0.0	0.0	0.0	0.0	0.0
40°	39.4	17.5	3.1	0.0	0.0	0.0	0.0	0.0
42.5°	22.0	6.1	0.2	0.0	0.0	0.0	0.0	0.0
45°	5.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	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	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	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	0.2	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	0.5	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.5	0.5	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.5	0.5	0.2	0.0	0.0	0.0
77.5°	0.2	0.5	0.5	0.5	0.2	0.2	0.0	0.0
80°	0.2	0.5	0.5	0.5	0.5	0.2	0.0	0.0
82.5°	0.2	0.5	0.5	0.5	0.5	0.2	0.0	0.0
85°	0.2	0.5	0.5	0.5	0.2	0.2	0.0	0.0
87.5°	0.2	0.5	0.5	0.5	0.5	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)