

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: P1313955

Luminaire Tested: P3SQAS02R609735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313955
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: P3SQAS02R609735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

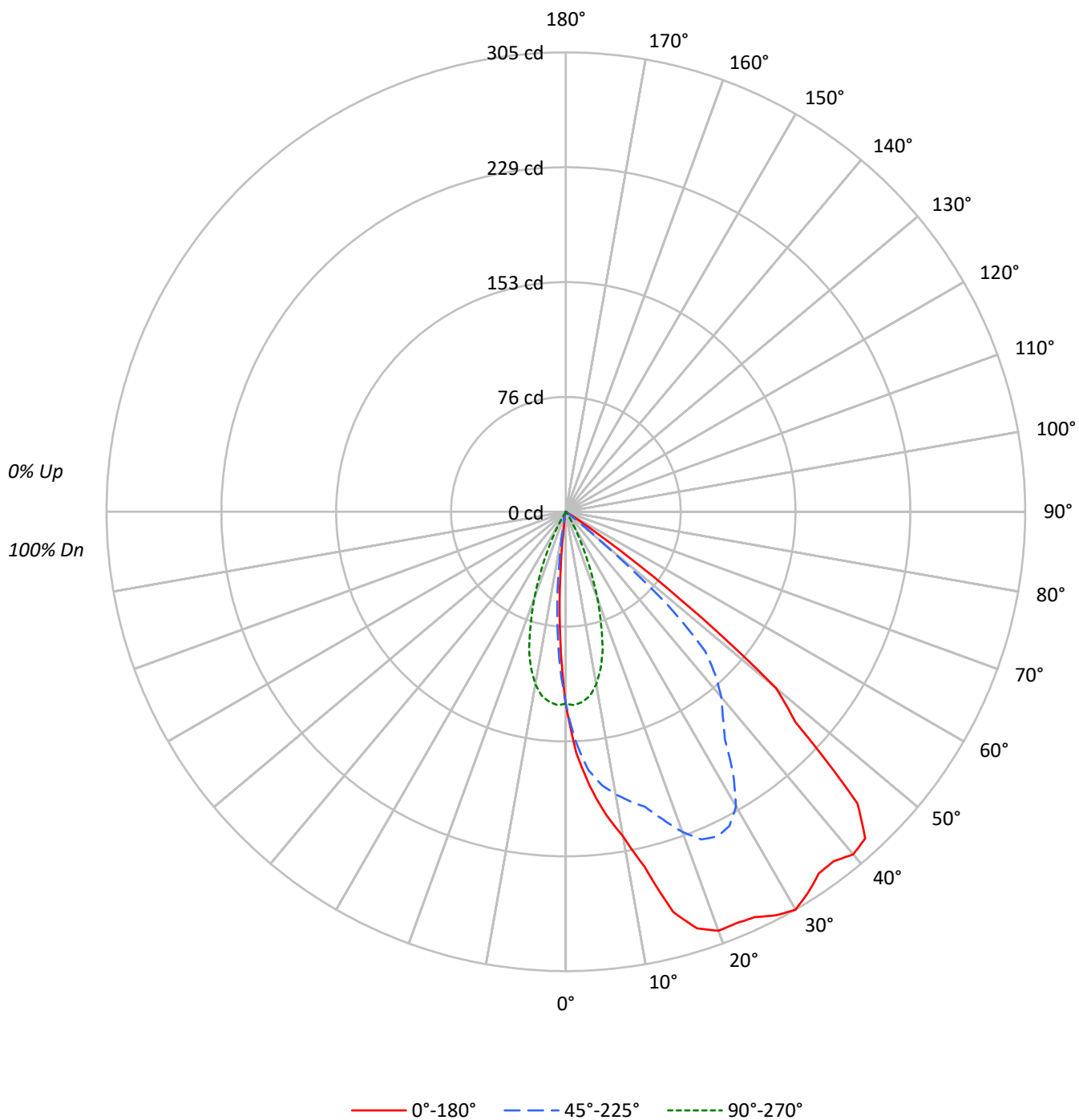
Lumens per Lamp: N/A
Luminaire Lumens: 207.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	69	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°	21941	21941	21941	21941	21941
5°	31620	29770	21904	11289	7244
10°	38246	33297	20338	1347	787
15°	49014	36159	16849	891	731
20°	54250	41457	11290	495	92
25°	56419	45207	5549	38	0
30°	60654	44924	1531	0	0
35°	61602	38685	0	0	0
40°	66749	36061	0	0	0
45°	66687	31858	0	0	0
50°	48817	7716	0	0	0
55°	9518	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: 66784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	5.3
10°-20°	31.1	15.1
20°-30°	49.6	24.0
30°-40°	57.4	27.7
40°-50°	45.6	22.0
50°-60°	12.0	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°	91.7	44.3
0°-40°	149.1	72.0
0°-60°	206.7	99.9
0°-90°	207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	207.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	127	127	127	127	127	
5°	183	172	127	65	42	18
15°	275	203	94	5	4	77
25°	297	238	29	0	0	138
35°	293	184	0	0	0	186
45°	274	131	0	0	0	195
55°	32	0	0	0	0	48
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°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	160.2	161.8	161.1	160.4	158.9	158.2	158.2	156.4	153.4	153.0	150.9
5°	182.9	183.3	183.3	182.9	181.7	179.9	179.5	177.7	174.9	172.2	169.5
7.5°	202.6	202.4	201.0	200.1	198.1	195.6	193.3	190.8	186.7	183.1	179.3
10°	218.7	219.4	218.2	216.0	213.2	209.8	206.2	201.9	195.8	190.4	185.4
12.5°	241.3	241.1	238.2	234.3	227.8	221.4	215.7	211.0	203.5	196.9	190.8
15°	274.9	274.4	271.7	268.3	258.8	249.3	239.5	226.2	213.7	202.8	194.2
17.5°	290.1	291.0	288.7	286.9	281.5	275.1	266.5	253.1	233.9	214.2	196.0
20°	296.0	297.1	295.5	295.3	292.8	289.8	282.8	268.3	249.5	226.2	203.7
22.5°	295.7	296.6	296.0	298.9	301.9	300.3	291.7	277.2	257.9	235.5	210.1
25°	296.9	296.2	293.7	298.0	302.3	300.9	296.6	284.2	263.1	237.9	212.3
27.5°	302.1	297.1	292.1	297.6	299.6	300.0	297.6	282.8	262.2	235.2	207.8
30°	305.0	299.6	295.5	300.0	300.0	302.5	297.3	280.6	254.5	225.9	195.8
32.5°	299.6	298.5	302.1	306.6	307.7	307.7	296.2	273.1	241.6	206.9	176.5
35°	293.0	295.7	306.2	308.2	308.2	303.2	289.2	259.9	222.3	184.0	162.3
37.5°	292.3	296.6	308.2	305.7	301.6	292.3	271.9	237.0	194.9	171.1	151.6
40°	296.9	300.9	307.7	298.7	288.9	274.4	250.0	207.1	178.3	160.4	138.7
42.5°	294.2	298.0	298.2	284.9	271.0	251.3	218.9	182.9	166.3	146.8	124.0
45°	273.8	274.2	273.3	259.0	244.7	224.4	189.9	170.9	153.2	130.8	91.1
47.5°	206.9	206.0	209.4	205.3	206.0	193.8	172.5	156.8	135.7	91.8	27.6
50°	182.2	181.1	177.7	174.0	170.4	164.5	154.6	137.8	97.9	28.8	0.9
52.5°	97.7	103.1	113.8	130.1	136.2	135.7	128.3	102.0	30.8	0.2	0.0
55°	31.7	31.3	34.9	41.2	56.7	65.3	68.0	34.7	0.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.3	5.9	7.7	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°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	148.2	145.0	141.4	128.5	113.3	98.6	87.9	85.2
5°	165.2	159.8	152.1	126.7	93.6	65.3	46.7	41.9
7.5°	174.0	169.3	161.1	123.1	72.5	32.2	12.0	8.2
10°	179.5	173.8	164.8	116.3	47.4	7.7	4.3	4.5
12.5°	183.3	176.8	166.6	106.5	24.0	3.9	5.4	5.7
15°	184.9	177.9	166.3	94.5	8.6	5.0	4.8	4.1
17.5°	184.0	175.2	163.4	77.3	2.9	4.8	2.5	2.0
20°	182.9	172.9	158.6	61.6	2.5	2.7	0.9	0.5
22.5°	186.5	169.1	152.1	44.2	2.5	0.9	0.0	0.0
25°	187.0	167.5	143.7	29.2	1.1	0.2	0.0	0.0
27.5°	182.4	158.2	130.8	17.2	0.0	0.0	0.0	0.0
30°	167.9	146.6	116.9	7.7	0.0	0.0	0.0	0.0
32.5°	153.6	133.7	101.5	1.8	0.0	0.0	0.0	0.0
35°	142.3	120.3	84.5	0.0	0.0	0.0	0.0	0.0
37.5°	128.3	104.5	63.0	0.0	0.0	0.0	0.0	0.0
40°	113.5	84.3	31.5	0.0	0.0	0.0	0.0	0.0
42.5°	88.6	40.1	3.2	0.0	0.0	0.0	0.0	0.0
45°	34.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.8	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)