

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: P1316744

Luminaire Tested: P3SQAS02R609830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316744
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: P3SQAS02R609830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

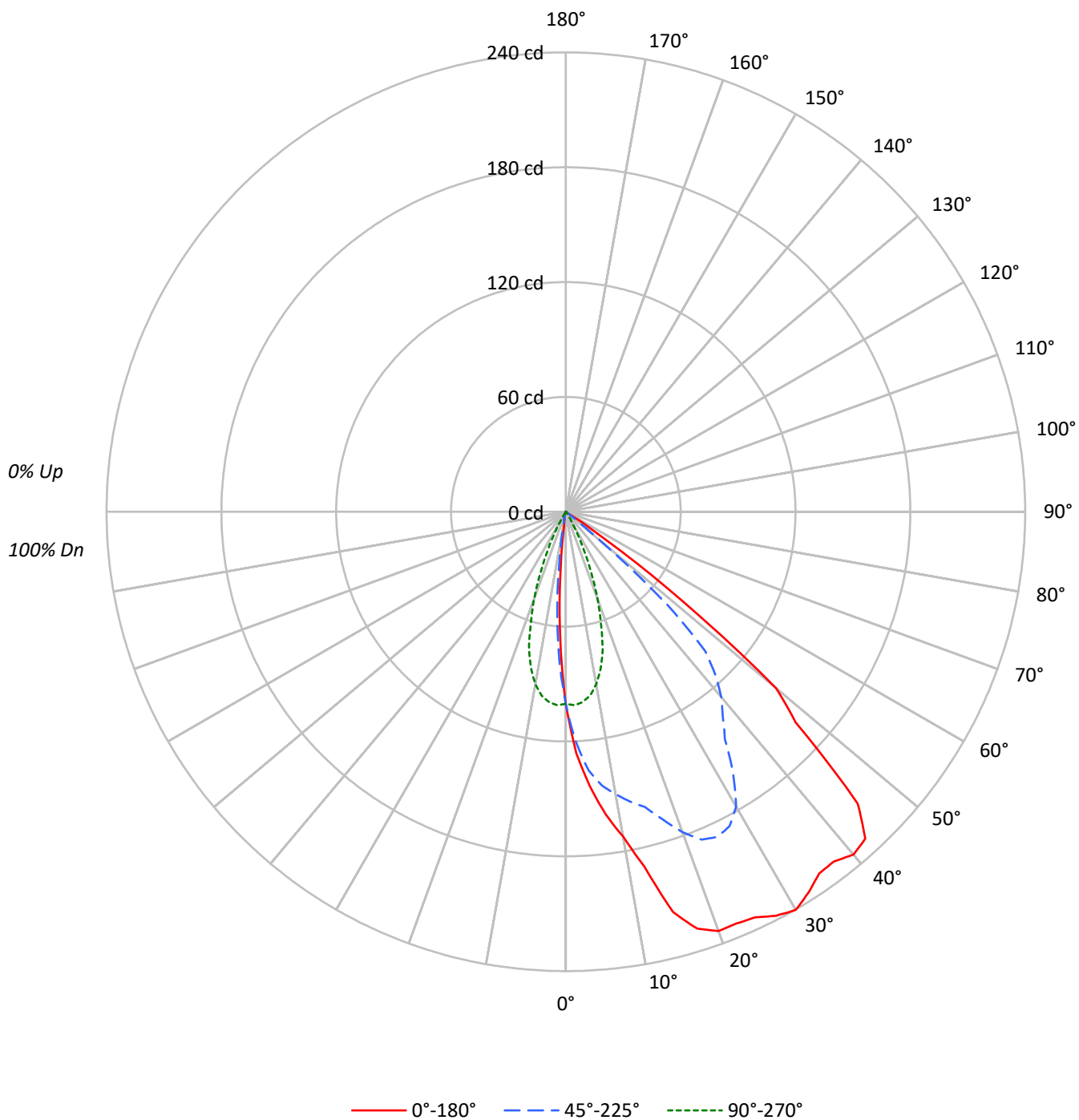
Lumens per Lamp: N/A
Luminaire Lumens: 163.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	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	63	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°	17274	17274	17274	17274	17274
5°	24895	23443	17253	8886	5705
10°	30114	26214	16001	1067	630
15°	38602	28474	13265	695	571
20°	42722	32641	8889	385	73
25°	44428	35611	4371	38	0
30°	47768	35378	1213	0	0
35°	48504	30465	0	0	0
40°	52563	28395	0	0	0
45°	52511	25087	0	0	0
50°	38448	6082	0	0	0
55°	7507	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: 52585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	5.3
10°-20°	24.5	15.0
20°-30°	39.1	24.0
30°-40°	45.2	27.7
40°-50°	35.9	22.0
50°-60°	9.4	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°	72.2	44.3
0°-40°	117.4	72.0
0°-60°	162.7	99.8
0°-90°	163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	163.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	144	136	100	51	33	15
15°	216	160	74	4	3	60
25°	234	187	23	0	0	109
35°	231	145	0	0	0	147
45°	216	103	0	0	0	153
55°	25	0	0	0	0	38
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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	126.2	127.4	126.9	126.3	125.1	124.6	124.6	123.1	120.8	120.5	118.8
5°	144.0	144.4	144.4	144.0	143.1	141.7	141.3	139.9	137.8	135.6	133.5
7.5°	159.5	159.4	158.3	157.6	156.0	154.0	152.2	150.3	147.0	144.2	141.2
10°	172.2	172.7	171.8	170.1	167.9	165.2	162.4	159.0	154.2	149.9	146.0
12.5°	190.0	189.9	187.5	184.5	179.3	174.3	169.9	166.1	160.2	155.1	150.3
15°	216.5	216.1	214.0	211.3	203.8	196.3	188.6	178.1	168.3	159.7	152.9
17.5°	228.4	229.1	227.3	225.9	221.6	216.6	209.9	199.3	184.2	168.6	154.4
20°	233.1	233.9	232.7	232.5	230.6	228.2	222.7	211.3	196.5	178.1	160.4
22.5°	232.9	233.6	233.1	235.4	237.7	236.4	229.7	218.2	203.1	185.4	165.4
25°	233.8	233.2	231.3	234.7	238.1	237.0	233.6	223.8	207.2	187.4	167.2
27.5°	237.9	233.9	230.0	234.3	235.9	236.3	234.3	222.7	206.5	185.2	163.6
30°	240.2	235.9	232.7	236.3	236.3	238.2	234.1	220.9	200.4	177.9	154.2
32.5°	235.9	235.0	237.9	241.4	242.3	242.3	233.2	215.0	190.2	162.9	139.0
35°	230.7	232.9	241.1	242.7	242.7	238.8	227.7	204.7	175.1	144.9	127.8
37.5°	230.2	233.6	242.7	240.7	237.5	230.2	214.1	186.7	153.5	134.7	119.4
40°	233.8	237.0	242.3	235.2	227.5	216.1	196.8	163.1	140.4	126.3	109.2
42.5°	231.6	234.7	234.8	224.3	213.4	197.9	172.4	144.0	131.0	115.6	97.6
45°	215.6	215.9	215.2	204.0	192.7	176.7	149.5	134.6	120.6	103.0	71.7
47.5°	162.9	162.2	164.9	161.7	162.2	152.6	135.8	123.5	106.9	72.3	21.8
50°	143.5	142.6	139.9	137.0	134.2	129.6	121.7	108.5	77.1	22.7	0.7
52.5°	76.9	81.2	89.6	102.4	107.2	106.9	101.0	80.3	24.3	0.2	0.0
55°	25.0	24.6	27.5	32.5	44.6	51.4	53.5	27.3	0.5	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.8	4.6	6.1	0.4	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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	116.7	114.2	111.4	101.2	89.2	77.6	69.2	67.1
5°	130.1	125.8	119.7	99.8	73.7	51.4	36.8	33.0
7.5°	137.0	133.3	126.9	96.9	57.1	25.3	9.5	6.4
10°	141.3	136.9	129.7	91.5	37.3	6.1	3.4	3.6
12.5°	144.4	139.2	131.2	83.9	18.9	3.0	4.3	4.5
15°	145.6	140.1	131.0	74.4	6.8	3.9	3.7	3.2
17.5°	144.9	137.9	128.7	60.9	2.3	3.7	2.0	1.6
20°	144.0	136.2	124.9	48.5	2.0	2.1	0.7	0.4
22.5°	146.9	133.1	119.7	34.8	2.0	0.7	0.0	0.0
25°	147.2	131.9	113.1	23.0	0.9	0.2	0.0	0.0
27.5°	143.7	124.6	103.0	13.6	0.0	0.0	0.0	0.0
30°	132.2	115.5	92.1	6.1	0.0	0.0	0.0	0.0
32.5°	121.0	105.3	79.9	1.4	0.0	0.0	0.0	0.0
35°	112.1	94.8	66.6	0.0	0.0	0.0	0.0	0.0
37.5°	101.0	82.3	49.6	0.0	0.0	0.0	0.0	0.0
40°	89.4	66.4	24.8	0.0	0.0	0.0	0.0	0.0
42.5°	69.8	31.6	2.5	0.0	0.0	0.0	0.0	0.0
45°	26.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.4	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)