

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: P1316757

Luminaire Tested: P3SQAS02R709830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

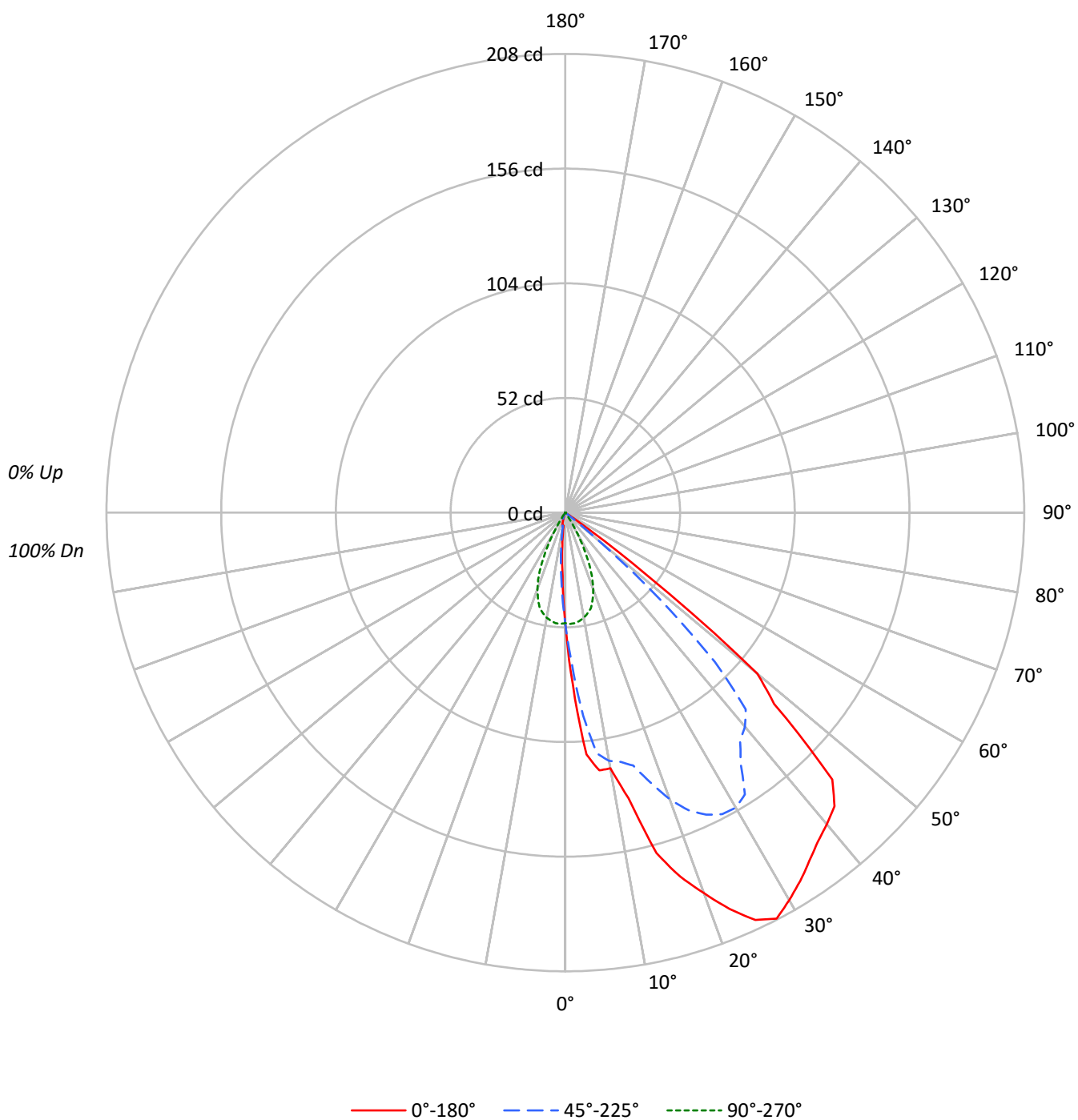
Lumens per Lamp: N/A
Luminaire Lumens: 135.0 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	84	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	75	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	55	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	49	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	41	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8628	8628	8628	8628	8628
5°	19034	15974	8696	3959	2610
10°	20583	19989	8464	1102	1137
15°	28492	21164	7988	1123	820
20°	33649	25347	6781	660	238
25°	38727	28713	4770	114	0
30°	40350	30725	2188	0	0
35°	40535	29119	126	0	0
40°	41457	28485	0	0	0
45°	41673	23333	0	0	0
50°	30410	4850	0	0	0
55°	1711	0	0	0	0
60°	0	69	69	0	0
65°	0	0	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: 42452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	4.1
10°-20°	18.3	13.6
20°-30°	32.9	24.4
30°-40°	40.0	29.6
40°-50°	30.9	22.9
50°-60°	7.2	5.3
60°-70°	0.0	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°	56.7	42.0
0°-40°	96.7	71.6
0°-60°	134.8	99.8
0°-90°	135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	135.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	110	92	50	23	15	10
15°	160	119	45	6	5	45
25°	204	151	25	1	0	93
35°	193	138	1	0	0	121
45°	171	96	0	0	0	121
55°	6	0	0	0	0	23
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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.5°	78.1	78.1	78.5	78.3	76.6	75.8	73.3	72.0	71.6	68.6	67.4
5°	110.1	110.3	109.4	109.2	107.3	105.9	103.8	100.6	97.3	92.4	88.0
7.5°	117.9	117.7	117.5	117.5	117.2	116.4	115.4	114.5	113.2	110.1	106.7
10°	117.7	117.7	117.5	117.5	117.4	117.5	117.4	116.8	116.2	114.3	112.4
12.5°	132.6	131.4	129.9	127.6	123.8	121.0	117.7	116.8	116.4	115.8	114.7
15°	159.8	158.9	155.6	151.6	147.8	141.4	136.2	129.2	123.6	118.7	116.2
17.5°	173.0	173.6	169.9	167.5	163.8	158.7	152.6	145.4	137.5	128.2	120.8
20°	183.6	184.2	181.2	178.7	174.5	169.2	163.8	156.0	148.6	138.3	128.6
22.5°	194.5	194.9	192.0	188.4	183.6	178.1	171.3	163.3	155.3	146.1	135.8
25°	203.8	203.5	198.7	193.6	189.0	183.1	176.4	168.6	161.0	151.1	141.4
27.5°	207.5	207.3	201.9	197.0	191.6	183.6	177.7	170.9	162.9	154.1	144.2
30°	202.9	205.9	202.5	198.9	192.4	184.4	178.7	170.5	163.1	154.5	143.3
32.5°	198.1	201.9	200.8	199.1	191.5	185.2	177.7	170.1	161.4	151.5	134.3
35°	192.8	196.8	197.0	195.1	188.2	181.9	175.1	167.1	157.2	138.5	125.9
37.5°	188.0	191.8	193.0	189.0	183.6	175.3	169.0	160.6	142.7	130.1	123.6
40°	184.4	187.3	189.0	182.7	177.4	169.2	161.9	147.3	131.1	126.7	117.5
42.5°	180.6	183.3	184.0	177.2	169.0	161.2	150.7	132.2	127.4	121.0	96.4
45°	171.1	174.3	172.4	165.7	159.6	151.5	135.8	127.8	122.7	95.8	59.2
47.5°	128.4	132.0	137.2	139.1	141.2	135.3	126.7	123.8	100.8	58.1	18.5
50°	113.5	113.0	113.0	113.9	115.6	117.5	120.0	104.4	60.6	18.1	0.0
52.5°	46.3	48.6	59.8	69.9	81.5	93.2	96.8	64.0	23.6	0.4	0.0
55°	5.7	5.7	8.0	13.7	22.7	36.6	41.1	20.6	1.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	1.5	4.2	2.9	0.8	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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	0.0	0.0
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	0.0	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	0.0	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.5°	65.5	63.2	60.0	50.5	42.3	35.1	30.9	28.8
5°	83.8	78.3	70.9	50.3	34.3	22.9	17.1	15.1
7.5°	101.3	95.1	82.5	49.5	26.3	13.3	7.4	5.9
10°	109.0	104.4	93.2	48.4	19.1	6.3	6.3	6.5
12.5°	112.0	108.6	99.4	46.7	12.6	6.1	6.5	6.1
15°	114.1	110.9	102.5	44.8	7.2	6.3	5.1	4.6
17.5°	115.3	111.4	103.4	41.1	4.8	5.3	3.2	2.7
20°	118.9	112.8	104.2	37.0	4.6	3.6	1.7	1.3
22.5°	125.0	115.4	104.4	31.8	3.6	2.1	0.6	0.0
25°	130.5	119.1	105.0	25.1	1.1	0.6	0.0	0.0
27.5°	133.2	120.2	104.8	17.7	0.0	0.0	0.0	0.0
30°	129.9	117.4	103.1	11.0	0.0	0.0	0.0	0.0
32.5°	122.3	115.3	97.7	4.8	0.0	0.0	0.0	0.0
35°	119.8	110.7	85.5	0.6	0.0	0.0	0.0	0.0
37.5°	114.3	97.5	62.9	0.0	0.0	0.0	0.0	0.0
40°	98.3	70.5	29.9	0.0	0.0	0.0	0.0	0.0
42.5°	65.0	30.1	1.7	0.0	0.0	0.0	0.0	0.0
45°	22.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	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	0.2	0.2	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
65°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.0	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	0.2	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)