

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: P1309569

Luminaire Tested: P3SQAS24R309035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

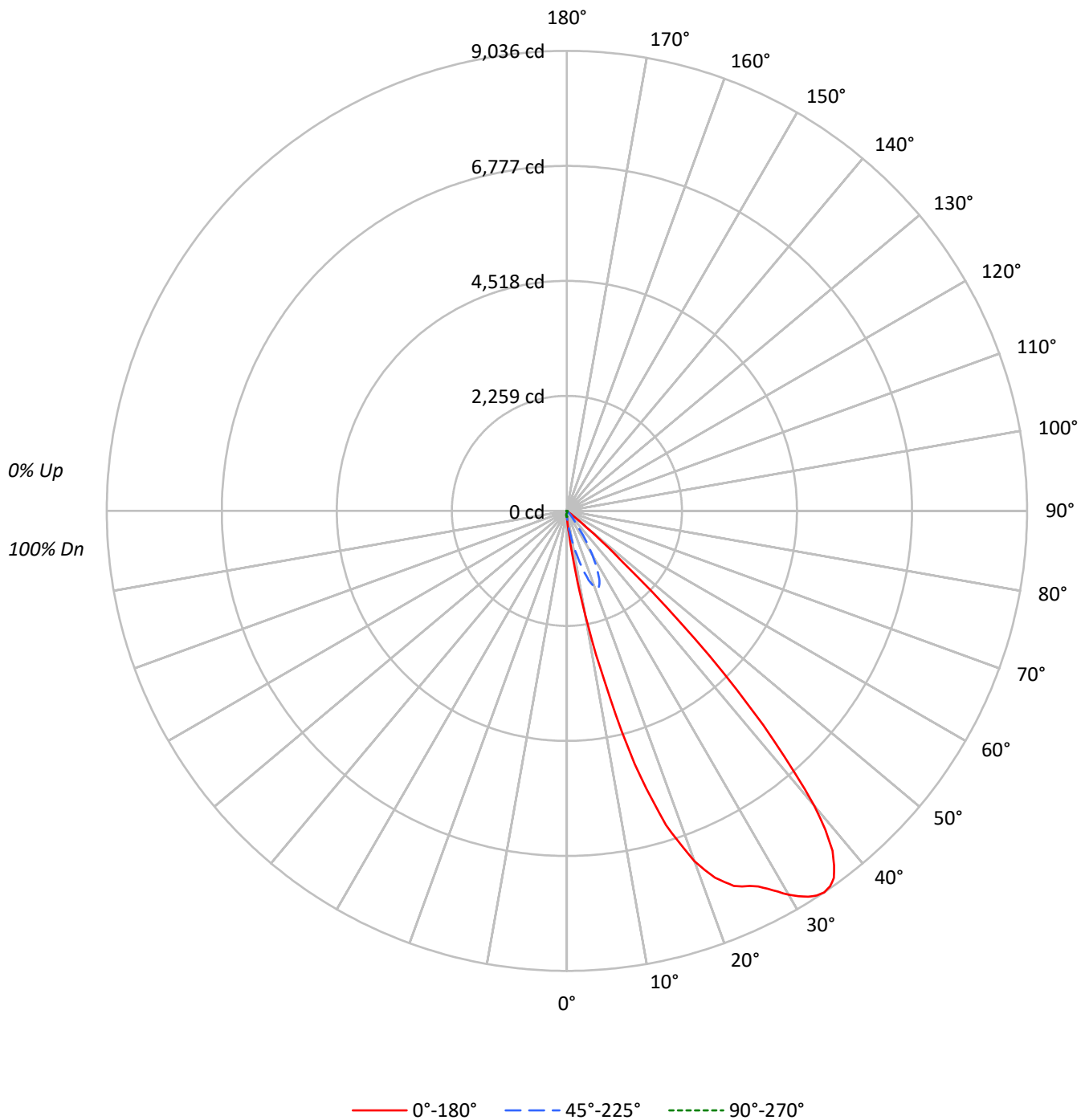
Lumens per Lamp: N/A
Luminaire Lumens: 2175.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	77	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20029	20029	20029	20029	20029
5°	72696	45174	18343	7417	5290
10°	359797	108163	14270	1434	0
15°	917825	205988	9093	0	0
20°	1341100	292911	3739	0	0
25°	1547197	287415	779	0	0
30°	1731602	197275	0	0	0
35°	1893782	84960	0	0	0
40°	1699712	33049	0	0	0
45°	867998	13420	0	0	0
50°	133992	1634	0	0	0
55°	7957	0	601	0	0
60°	0	0	689	0	0
65°	0	0	1671	0	0
70°	0	1007	2065	0	0
75°	0	1331	4059	0	0
80°	0	1984	6050	0	0
85°	0	3952	12054	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 867998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	1.1
10°-20°	289.8	13.3
20°-30°	716.2	32.9
30°-40°	823.6	37.9
40°-50°	305.5	14.0
50°-60°	11.1	0.5
60°-70°	1.1	0.0
70°-80°	1.8	0.1
80°-90°	1.7	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°	1030.3	47.4
0°-40°	1853.8	85.2
0°-60°	2170.5	99.8
0°-90°	2175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	420	261	106	43	31	91
15°	5148	1155	51	0	0	1480
25°	8142	1512	4	0	0	3762
35°	9008	404	0	0	0	5461
45°	3564	55	0	0	0	2775
55°	26	0	2	0	0	91
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2.5°	206.2	208.2	208.2	202.1	200.0	198.0	191.9	173.5	144.9	116.3	93.9
5°	420.5	422.5	422.5	410.3	385.8	361.3	340.9	261.3	167.4	106.1	69.4
7.5°	992.0	994.0	951.2	902.2	804.2	753.2	659.3	402.1	189.8	95.9	44.9
10°	2057.4	2012.5	1900.3	1757.4	1606.4	1410.4	1212.4	618.5	206.2	81.6	28.6
12.5°	3439.3	3396.4	3251.5	3047.4	2751.4	2367.7	1992.1	869.5	208.2	65.3	16.3
15°	5147.7	5027.3	4853.8	4515.0	4078.2	3484.2	2863.7	1155.3	200.0	51.0	4.1
17.5°	6472.4	6362.2	6141.7	5745.7	5202.8	4543.5	3782.2	1426.7	177.6	32.7	0.0
20°	7317.4	7201.1	6994.9	6645.9	6068.2	5294.7	4423.1	1598.2	147.0	20.4	0.0
21°	7558.3	7446.0	7243.9	6896.9	6321.3	5549.8	4580.3	1634.9	132.7	16.3	0.0
22°	7770.5	7682.8	7495.0	7117.4	6531.6	5737.6	4739.5	1639.0	122.5	12.2	0.0
23°	7919.5	7856.3	7668.5	7321.5	6737.7	5890.7	4825.2	1614.5	110.2	8.2	0.0
24°	8062.4	7984.9	7823.6	7501.1	6901.0	6019.3	4902.8	1569.6	98.0	6.1	0.0
25°	8142.0	8052.2	7927.7	7625.6	7035.7	6100.9	4949.7	1512.5	85.7	4.1	0.0
26°	8197.1	8127.7	7991.0	7699.1	7092.9	6154.0	4955.8	1428.8	77.6	2.0	0.0
27°	8280.8	8211.4	8078.7	7764.4	7117.4	6145.8	4919.1	1332.9	67.4	0.0	0.0
28°	8407.4	8315.5	8182.8	7833.8	7127.6	6111.1	4837.5	1228.8	57.2	0.0	0.0
29°	8552.3	8458.4	8313.5	7925.7	7129.6	6041.7	4708.9	1114.5	51.0	0.0	0.0
30°	8707.4	8625.8	8478.8	8015.5	7152.1	5951.9	4559.9	992.0	40.8	0.0	0.0
31°	8829.9	8756.4	8599.2	8097.1	7170.5	5874.3	4376.2	869.5	34.7	0.0	0.0
32°	8936.0	8870.7	8676.8	8115.5	7133.7	5764.1	4180.2	751.1	28.6	0.0	0.0
33°	9009.5	8927.9	8701.3	8068.5	7027.6	5582.5	3961.8	638.9	22.5	0.0	0.0
34°	9036.0	8938.1	8664.5	7946.1	6813.3	5306.9	3678.1	522.5	18.4	0.0	0.0
35°	9007.5	8887.0	8531.9	7735.8	6523.4	4978.3	3337.2	404.1	14.3	0.0	0.0
36°	8915.6	8762.5	8342.1	7435.8	6109.1	4590.5	2996.4	314.3	10.2	0.0	0.0
37°	8717.6	8548.2	8017.5	7039.8	5698.8	4145.5	2608.5	244.9	6.1	0.0	0.0
38°	8474.7	8229.8	7584.8	6539.7	5168.1	3645.4	2224.8	202.1	4.1	0.0	0.0
39°	8060.4	7791.0	7070.4	5964.1	4647.6	3169.9	1851.3	175.5	2.0	0.0	0.0
40°	7560.3	7239.8	6482.6	5347.7	4033.3	2671.8	1545.1	147.0	2.0	0.0	0.0
42.5°	5702.9	5431.4	4617.0	3637.3	2465.7	1575.7	857.3	95.9	0.0	0.0	0.0
45°	3563.8	3280.1	2729.0	1994.2	1334.9	816.4	412.3	55.1	0.0	0.0	0.0
47.5°	1455.3	1334.9	1098.1	845.0	604.2	383.7	171.5	24.5	0.0	0.0	0.0
50°	500.1	445.0	373.5	273.5	193.9	132.7	89.8	6.1	0.0	0.0	0.0
52.5°	144.9	147.0	128.6	110.2	85.7	61.2	44.9	0.0	0.0	0.0	0.0
55°	26.5	22.5	26.5	24.5	26.5	22.5	16.3	0.0	0.0	2.0	0.0
57.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	2.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1	2.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	2.0
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):

	135°	157.5°	180°
0°	116.3	116.3	116.3
2.5°	75.5	67.4	63.3
5°	42.9	32.7	30.6
7.5°	22.5	14.3	12.2
10°	8.2	2.0	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)