

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: P1311764

Luminaire Tested: P3SQAS24R309050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311764
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: P3SQAS24R309050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

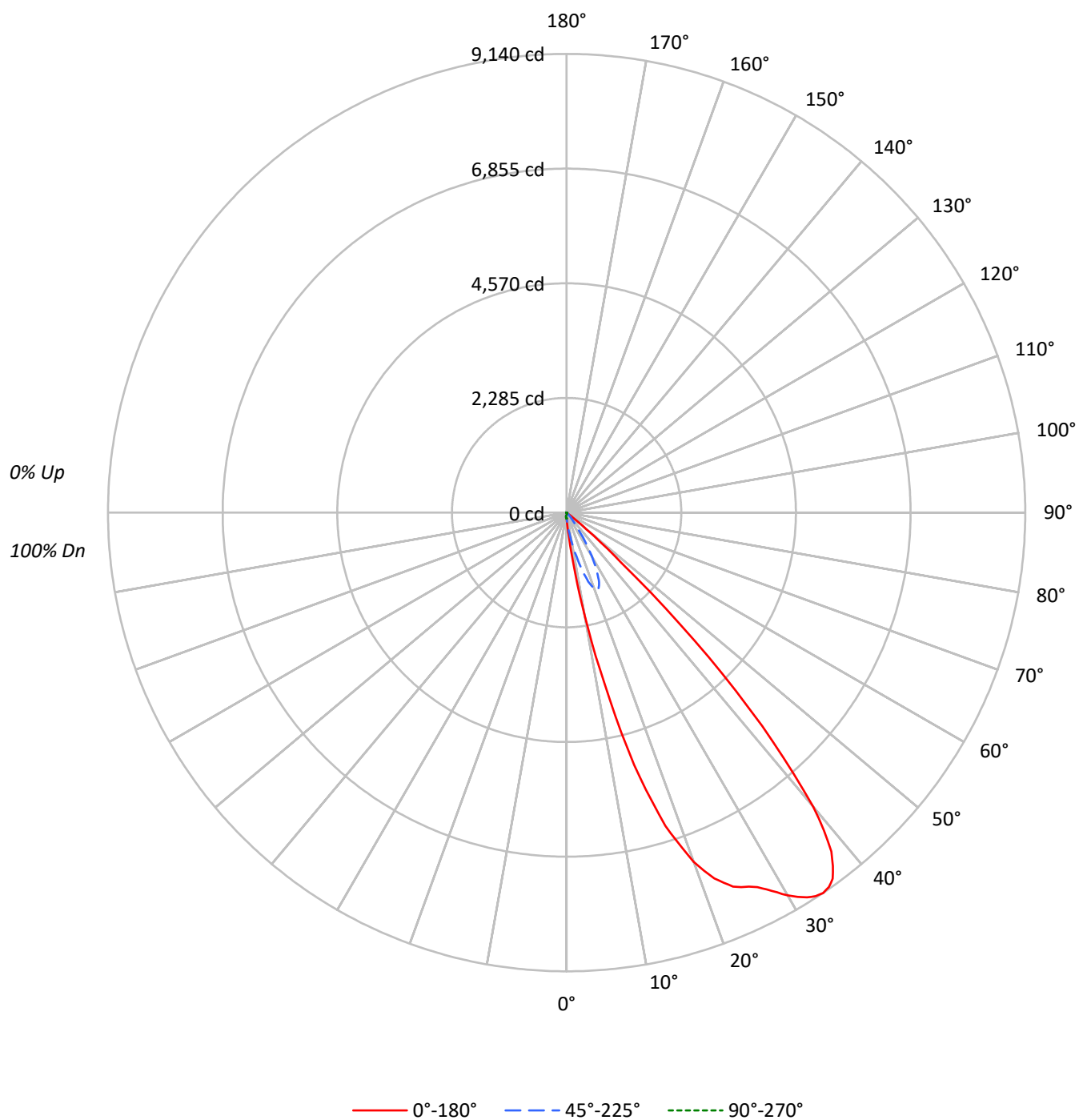
Lumens per Lamp: N/A
Luminaire Lumens: 2200.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20271	20271	20271	20271	20271
5°	73526	45692	18567	7503	5359
10°	363942	109405	14445	1451	0
15°	928380	208359	9200	0	0
20°	1356514	296283	3775	0	0
25°	1564984	290722	779	0	0
30°	1751509	199542	0	0	0
35°	1915542	85948	0	0	0
40°	1719249	33408	0	0	0
45°	877984	13566	0	0	0
50°	135519	1661	0	0	0
55°	8047	0	631	0	0
60°	0	0	723	0	0
65°	0	0	1671	0	0
70°	0	1057	2065	0	0
75°	0	1397	4126	0	0
80°	0	2083	6149	0	0
85°	0	4150	12251	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 877984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	1.1
10°-20°	293.1	13.3
20°-30°	724.4	32.9
30°-40°	833.1	37.9
40°-50°	309.0	14.0
50°-60°	11.2	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°	1042.1	47.4
0°-40°	1875.1	85.2
0°-60°	2195.4	99.8
0°-90°	2200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	118	118	118	118	118	
5°	425	264	107	43	31	92
15°	5207	1169	52	0	0	1497
25°	8236	1530	4	0	0	3805
35°	9111	409	0	0	0	5524
45°	3605	56	0	0	0	2807
55°	27	0	2	0	0	92
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°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	208.5	210.6	210.6	204.4	202.3	200.3	194.1	175.5	146.6	117.7	95.0
5°	425.3	427.4	427.4	415.0	390.2	365.4	344.8	264.3	169.3	107.4	70.2
7.5°	1003.4	1005.5	962.1	912.5	813.4	761.8	666.9	406.7	192.0	97.0	45.4
10°	2081.1	2035.7	1922.1	1777.6	1624.8	1426.6	1226.4	625.6	208.5	82.6	28.9
12.5°	3478.8	3435.5	3288.9	3082.4	2783.1	2394.9	2015.0	879.5	210.6	66.1	16.5
15°	5206.9	5085.1	4909.6	4566.9	4125.0	3524.2	2896.6	1168.6	202.3	51.6	4.1
17.5°	6546.8	6435.3	6212.3	5811.8	5262.6	4595.8	3825.7	1443.1	179.6	33.0	0.0
20°	7401.5	7283.8	7075.3	6722.3	6138.0	5355.5	4473.9	1616.6	148.6	20.6	0.0
21°	7645.1	7531.6	7327.2	6976.2	6394.0	5613.6	4632.9	1653.7	134.2	16.5	0.0
22°	7859.9	7771.1	7581.1	7199.2	6606.7	5803.5	4794.0	1657.9	123.9	12.4	0.0
23°	8010.6	7946.6	7756.6	7405.6	6815.2	5958.4	4880.7	1633.1	111.5	8.3	0.0
24°	8155.1	8076.6	7913.5	7587.3	6980.3	6088.4	4959.1	1587.7	99.1	6.2	0.0
25°	8235.6	8144.8	8018.8	7713.3	7116.6	6171.0	5006.6	1529.9	86.7	4.1	0.0
26°	8291.4	8221.2	8082.8	7787.6	7174.4	6224.7	5012.8	1445.2	78.5	2.1	0.0
27°	8376.0	8305.8	8171.6	7853.7	7199.2	6216.5	4975.6	1348.2	68.1	0.0	0.0
28°	8504.0	8411.1	8276.9	7923.9	7209.5	6181.4	4893.1	1242.9	57.8	0.0	0.0
29°	8650.6	8555.6	8409.0	8016.8	7211.6	6111.2	4763.0	1127.3	51.6	0.0	0.0
30°	8807.5	8724.9	8576.3	8107.6	7234.3	6020.3	4612.3	1003.4	41.3	0.0	0.0
31°	8931.4	8857.0	8698.1	8190.2	7252.9	5941.9	4426.5	879.5	35.1	0.0	0.0
32°	9038.7	8972.7	8776.5	8208.8	7215.7	5830.4	4228.3	759.8	28.9	0.0	0.0
33°	9113.1	9030.5	8801.3	8161.3	7108.3	5646.6	4007.3	646.2	22.7	0.0	0.0
34°	9139.9	9040.8	8764.1	8037.4	6891.6	5367.9	3720.4	528.5	18.6	0.0	0.0
35°	9111.0	8989.2	8629.9	7824.8	6598.4	5035.5	3375.6	408.8	14.5	0.0	0.0
36°	9018.1	8863.2	8437.9	7521.3	6179.3	4643.2	3030.8	317.9	10.3	0.0	0.0
37°	8817.8	8646.5	8109.7	7120.7	5764.3	4193.2	2638.5	247.7	6.2	0.0	0.0
38°	8572.1	8324.4	7672.0	6614.9	5227.5	3687.3	2250.4	204.4	4.1	0.0	0.0
39°	8153.0	7880.5	7151.7	6032.7	4701.0	3206.3	1872.6	177.6	2.1	0.0	0.0
40°	7647.2	7323.1	6557.1	5409.2	4079.6	2702.5	1562.9	148.6	2.1	0.0	0.0
42.5°	5768.4	5493.8	4670.1	3679.1	2494.0	1593.9	867.1	97.0	0.0	0.0	0.0
45°	3604.8	3317.8	2760.3	2017.1	1350.2	825.8	417.0	55.7	0.0	0.0	0.0
47.5°	1472.0	1350.2	1110.7	854.7	611.1	388.1	173.4	24.8	0.0	0.0	0.0
50°	505.8	450.1	377.8	276.7	196.1	134.2	90.8	6.2	0.0	0.0	0.0
52.5°	146.6	148.6	130.1	111.5	86.7	61.9	45.4	0.0	0.0	0.0	0.0
55°	26.8	22.7	26.8	24.8	26.8	22.7	16.5	0.0	0.0	2.1	0.0
57.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1



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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	2.1	4.1	6.2	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	2.1
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°	117.7	117.7	117.7
2.5°	76.4	68.1	64.0
5°	43.4	33.0	31.0
7.5°	22.7	14.5	12.4
10°	8.3	2.1	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)