

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: P1310688

Luminaire Tested: P3SQAS24R309040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310688
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: P3SQAS24R309040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

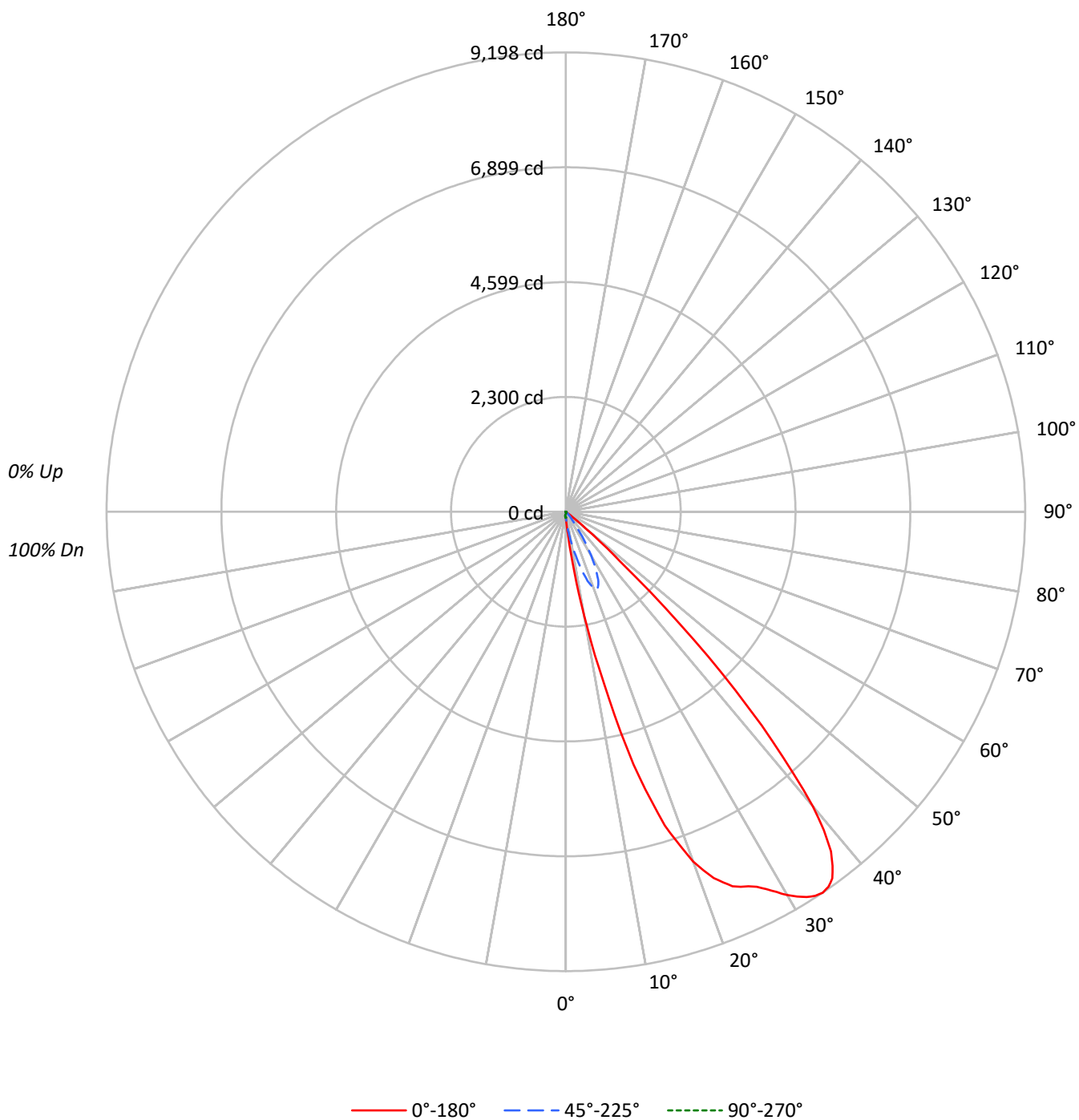
Lumens per Lamp: N/A
Luminaire Lumens: 2214.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	20391	20391	20391	20391	20391
5°	73993	45969	18671	7538	5394
10°	366250	110087	14532	1451	0
15°	934282	209678	9254	0	0
20°	1365146	298171	3812	0	0
25°	1574941	292565	798	0	0
30°	1762645	200814	0	0	0
35°	1927737	86495	0	0	0
40°	1730198	33633	0	0	0
45°	883561	13664	0	0	0
50°	136377	1661	0	0	0
55°	8107	0	631	0	0
60°	0	0	723	0	0
65°	0	0	1712	0	0
70°	0	1057	2115	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: 883561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.1
10°-20°	295.0	13.3
20°-30°	729.0	32.9
30°-40°	838.4	37.9
40°-50°	311.0	14.0
50°-60°	11.3	0.5
60°-70°	1.1	0.0
70°-80°	1.9	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°	1048.7	47.4
0°-40°	1887.1	85.2
0°-60°	2209.4	99.8
0°-90°	2214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2214.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	118	118	118	118	118	
5°	428	266	108	44	31	93
15°	5240	1176	52	0	0	1507
25°	8288	1540	4	0	0	3829
35°	9169	411	0	0	0	5559
45°	3628	56	0	0	0	2825
55°	27	0	2	0	0	93
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°	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4
2.5°	209.8	211.9	211.9	205.7	203.6	201.5	195.3	176.6	147.5	118.4	95.6
5°	428.0	430.1	430.1	417.6	392.7	367.8	347.0	265.9	170.4	108.0	70.6
7.5°	1009.8	1011.8	968.2	918.4	818.6	766.7	671.1	409.3	193.2	97.7	45.7
10°	2094.3	2048.6	1934.4	1788.9	1635.2	1435.7	1234.2	629.5	209.8	83.1	29.1
12.5°	3501.0	3457.3	3309.8	3102.0	2800.8	2410.2	2027.9	885.1	211.9	66.5	16.6
15°	5240.0	5117.4	4940.8	4595.9	4151.3	3546.7	2915.0	1176.0	203.6	51.9	4.2
17.5°	6588.4	6476.2	6251.9	5848.8	5296.1	4625.0	3850.0	1452.3	180.8	33.2	0.0
20°	7448.6	7330.2	7120.3	6765.1	6177.1	5389.6	4502.4	1626.9	149.6	20.8	0.0
21°	7693.8	7579.5	7373.8	7020.6	6434.7	5649.3	4662.4	1664.3	135.1	16.6	0.0
22°	7909.9	7820.5	7629.4	7245.0	6648.7	5840.5	4824.5	1668.4	124.7	12.5	0.0
23°	8061.5	7997.1	7806.0	7452.8	6858.5	5996.3	4911.7	1643.5	112.2	8.3	0.0
24°	8207.0	8128.0	7963.9	7635.6	7024.8	6127.2	4990.7	1597.8	99.7	6.2	0.0
25°	8288.0	8196.6	8069.9	7762.4	7161.9	6210.3	5038.5	1539.6	87.3	4.2	0.0
26°	8344.1	8273.5	8134.3	7837.2	7220.1	6264.3	5044.7	1454.4	79.0	2.1	0.0
27°	8429.3	8358.7	8223.6	7903.6	7245.0	6256.0	5007.3	1356.8	68.6	0.0	0.0
28°	8558.1	8464.6	8329.6	7974.3	7255.4	6220.7	4924.2	1250.8	58.2	0.0	0.0
29°	8705.6	8610.1	8462.5	8067.8	7257.5	6150.0	4793.3	1134.4	51.9	0.0	0.0
30°	8863.5	8780.4	8630.8	8159.2	7280.3	6058.6	4641.6	1009.8	41.6	0.0	0.0
31°	8988.2	8913.4	8753.4	8242.3	7299.0	5979.7	4454.6	885.1	35.3	0.0	0.0
32°	9096.3	9029.8	8832.4	8261.0	7261.6	5867.5	4255.2	764.6	29.1	0.0	0.0
33°	9171.0	9087.9	8857.3	8213.2	7153.6	5682.6	4032.9	650.3	22.9	0.0	0.0
34°	9198.1	9098.3	8819.9	8088.6	6935.4	5402.1	3744.0	531.9	18.7	0.0	0.0
35°	9169.0	9046.4	8684.9	7874.6	6640.4	5067.6	3397.1	411.4	14.5	0.0	0.0
36°	9075.5	8919.6	8491.6	7569.1	6218.6	4672.8	3050.1	320.0	10.4	0.0	0.0
37°	8873.9	8701.5	8161.3	7166.1	5801.0	4219.8	2655.3	249.3	6.2	0.0	0.0
38°	8626.7	8377.4	7720.8	6657.0	5260.8	3710.8	2264.7	205.7	4.2	0.0	0.0
39°	8204.9	7930.7	7197.2	6071.1	4731.0	3226.7	1884.5	178.7	2.1	0.0	0.0
40°	7695.9	7369.7	6598.8	5443.6	4105.6	2719.7	1572.8	149.6	2.1	0.0	0.0
42.5°	5805.1	5528.8	4699.8	3702.5	2509.9	1604.0	872.6	97.7	0.0	0.0	0.0
45°	3627.7	3338.9	2777.9	2029.9	1358.8	831.1	419.7	56.1	0.0	0.0	0.0
47.5°	1481.4	1358.8	1117.8	860.2	615.0	390.6	174.5	24.9	0.0	0.0	0.0
50°	509.0	452.9	380.2	278.4	197.4	135.1	91.4	6.2	0.0	0.0	0.0
52.5°	147.5	149.6	130.9	112.2	87.3	62.3	45.7	0.0	0.0	0.0	0.0
55°	27.0	22.9	27.0	24.9	27.0	22.9	16.6	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	4.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	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	4.2	6.2	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	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°	118.4	118.4	118.4
2.5°	76.9	68.6	64.4
5°	43.6	33.2	31.2
7.5°	22.9	14.5	12.5
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)