

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: P1309554

Luminaire Tested: P3SQAS24R259035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

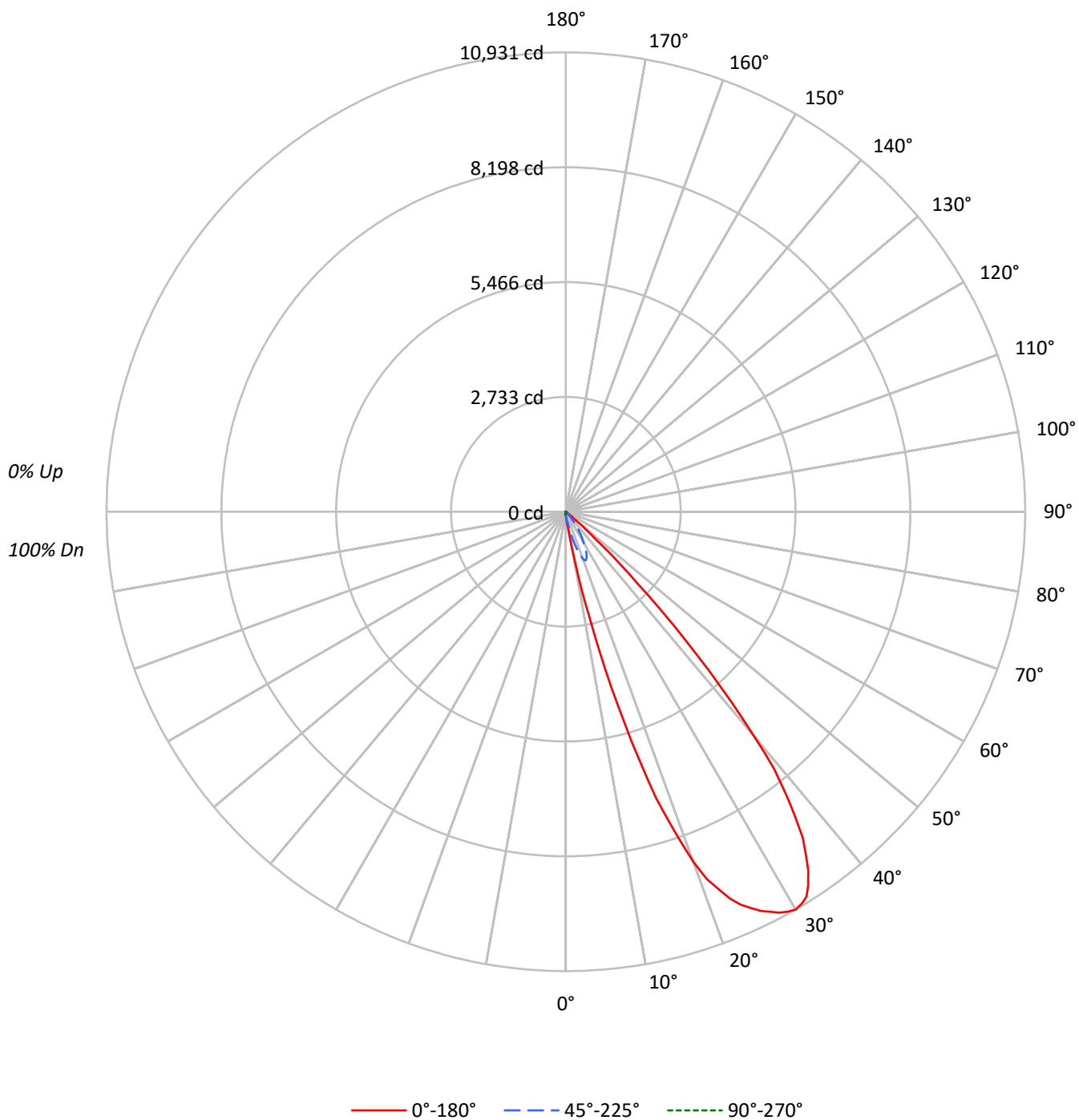
Lumens per Lamp: N/A
Luminaire Lumens: 2187.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	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	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16172	16172	16172	16172	16172
5°	40575	29977	15162	7762	5999
10°	177345	51030	12486	3568	2501
15°	843332	137521	8737	1462	1088
20°	1623418	220279	5608	367	367
25°	1977132	222179	3097	0	0
30°	2173800	170030	1213	0	0
35°	2094839	108108	420	0	0
40°	1565247	46785	0	0	450
45°	579477	12422	487	487	1486
50°	68349	1634	1099	1099	2197
55°	6726	0	1231	1832	3063
60°	689	0	2101	2824	3513
65°	815	815	3342	4157	4972
70°	1007	1007	4129	4129	6143
75°	1331	1331	4059	4059	5456
80°	0	1984	6050	4066	6050
85°	0	3952	12054	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 579477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.6
10°-20°	255.0	11.7
20°-30°	800.3	36.6
30°-40°	842.5	38.5
40°-50°	247.5	11.3
50°-60°	13.3	0.6
60°-70°	6.4	0.3
70°-80°	5.5	0.3
80°-90°	2.9	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°	1068.9	48.9
0°-40°	1911.4	87.4
0°-60°	2172.1	99.3
0°-90°	2187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	235	173	88	45	35	42
15°	4730	771	49	8	6	1491
25°	10404	1169	16	0	0	4772
35°	9964	514	2	0	0	6012
45°	2379	51	2	2	6	2162
55°	22	0	4	6	10	57
65°	2	2	8	10	12	2
75°	2	2	6	6	8	1
85°	0	2	6	2	2	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°	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2.5°	144.9	146.9	140.8	144.9	140.8	138.8	136.7	126.5	110.2	93.9	77.5
5°	234.7	234.7	224.5	222.4	218.3	210.2	202.0	173.4	124.5	87.7	61.2
7.5°	367.3	365.2	361.2	351.0	330.6	310.2	289.8	226.5	136.7	81.6	46.9
10°	1014.1	999.8	981.5	871.3	746.8	636.6	540.7	291.8	146.9	71.4	34.7
12.5°	2520.0	2438.4	2244.5	2024.2	1742.6	1446.7	1157.0	475.4	151.0	59.2	24.5
15°	4729.9	4560.5	4258.5	3817.8	3242.4	2595.5	2044.6	771.3	146.9	49.0	18.4
17.5°	7141.7	6978.5	6560.2	5890.9	5044.1	4050.4	3075.0	1022.3	136.7	40.8	12.2
20°	8857.8	8684.4	8292.6	7582.5	6666.3	5342.0	4048.3	1201.9	128.6	30.6	6.1
21°	9359.8	9186.3	8772.1	8086.5	7123.4	5795.0	4360.5	1232.5	122.4	26.5	4.1
22°	9678.1	9576.1	9131.2	8466.0	7484.5	6158.2	4627.9	1246.7	118.3	24.5	4.1
23°	9998.4	9845.4	9429.1	8727.2	7760.0	6427.6	4825.8	1236.5	114.3	20.4	2.0
24°	10235.1	10106.6	9623.0	8929.2	7951.8	6592.9	4942.1	1210.0	108.1	18.4	2.0
25°	10404.5	10286.2	9782.2	9065.9	8080.4	6682.6	4978.8	1169.2	102.0	16.3	2.0
26°	10565.7	10437.2	9914.8	9145.5	8147.7	6711.2	4944.1	1124.3	95.9	14.3	0.0
27°	10682.0	10551.4	10006.6	9192.4	8151.8	6676.5	4850.3	1063.1	89.8	12.2	0.0
28°	10806.5	10655.5	10069.9	9219.0	8127.3	6594.9	4715.6	997.8	85.7	10.2	0.0
29°	10882.0	10739.1	10135.2	9247.5	8076.3	6458.2	4519.7	920.3	75.5	6.1	0.0
30°	10931.0	10761.6	10129.0	9216.9	8009.0	6311.3	4285.0	855.0	65.3	6.1	0.0
31°	10890.1	10712.6	10063.7	9131.2	7900.8	6119.5	4044.3	773.3	53.1	4.1	0.0
32°	10802.4	10592.2	9949.5	8982.3	7707.0	5872.6	3795.3	706.0	38.8	4.1	0.0
33°	10588.1	10410.6	9743.4	8782.3	7453.9	5537.9	3470.9	640.7	26.5	2.0	0.0
34°	10318.8	10141.3	9461.8	8515.0	7115.2	5105.3	3077.1	573.4	22.4	2.0	0.0
35°	9963.8	9788.3	9143.5	8141.6	6666.3	4585.0	2671.0	514.2	18.4	2.0	0.0
36°	9590.3	9357.7	8741.5	7743.7	6064.4	3993.3	2236.4	446.9	14.3	2.0	0.0
37°	9041.4	8884.3	8200.8	7137.7	5413.4	3426.0	1920.1	385.7	10.2	2.0	0.0
38°	8472.2	8327.3	7660.0	6527.6	4687.0	2864.9	1607.9	326.5	8.2	0.0	0.0
39°	7884.5	7643.7	6984.6	5746.0	3925.9	2399.6	1352.9	273.4	4.1	0.0	0.0
40°	6962.2	6778.5	6074.6	4807.4	3248.5	1944.6	1152.9	208.1	4.1	0.0	0.0
42.5°	4615.6	4444.2	3705.5	2607.8	1726.3	1136.6	761.1	81.6	0.0	2.0	0.0
45°	2379.2	2271.1	1844.6	1365.1	979.4	697.9	489.7	51.0	0.0	2.0	2.0
47.5°	944.8	926.4	836.6	722.3	557.1	414.2	267.3	22.4	0.0	2.0	2.0
50°	255.1	257.1	240.8	222.4	202.0	189.8	112.2	6.1	0.0	4.1	2.0
52.5°	108.1	110.2	106.1	100.0	89.8	67.3	44.9	2.0	2.0	4.1	4.1
55°	22.4	24.5	26.5	28.6	32.6	28.6	18.4	0.0	2.0	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	6.1	6.1	4.1	0.0	2.0	4.1	6.1
60°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	4.1	6.1	6.1
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1	8.2
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	8.2	8.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1	8.2	8.2
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1	8.2	8.2
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1	8.2	6.1
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1	6.1	6.1
77.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.1	6.1	6.1
80°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.1	6.1	4.1



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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	2.0	2.0	4.1	6.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1	4.1
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°	93.9	93.9	93.9
2.5°	65.3	59.2	57.1
5°	44.9	38.8	34.7
7.5°	30.6	24.5	22.4
10°	20.4	16.3	14.3
12.5°	14.3	8.2	8.2
15°	8.2	6.1	6.1
17.5°	4.1	2.0	2.0
20°	2.0	2.0	2.0
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	2.0
39°	0.0	2.0	2.0
40°	0.0	2.0	2.0
42.5°	0.0	2.0	4.1
45°	2.0	4.1	6.1
47.5°	4.1	6.1	8.2
50°	4.1	8.2	8.2
52.5°	6.1	8.2	10.2
55°	6.1	10.2	10.2
57.5°	8.2	10.2	12.2
60°	8.2	10.2	10.2
62.5°	8.2	12.2	12.2
65°	10.2	12.2	12.2
67.5°	10.2	12.2	12.2
70°	8.2	10.2	12.2
72.5°	8.2	10.2	10.2
75°	6.1	8.2	8.2
77.5°	6.1	6.1	8.2
80°	4.1	6.1	6.1



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	4.1	4.1	4.1
85°	2.0	2.0	2.0
87.5°	2.0	2.0	2.0
90°	0.0	0.0	0.0

(END OF REPORT)