

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: P1309571

Luminaire Tested: P3SQAS24R309035D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309035D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

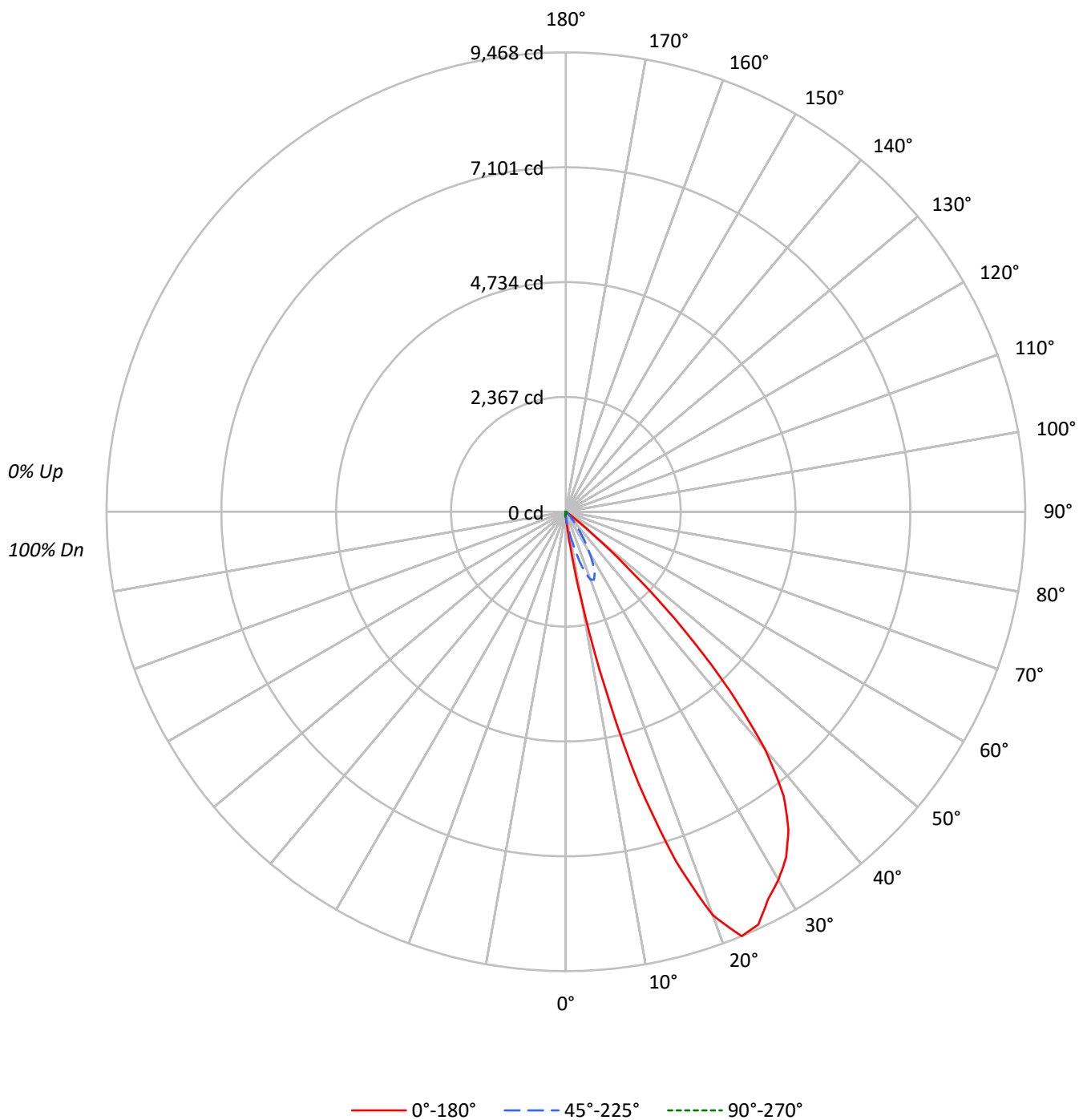
Lumens per Lamp: N/A
Luminaire Lumens: 2232.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18273	18273	18273	18273	18273
5°	55011	36668	17271	7762	6345
10°	318508	77751	13553	3568	2501
15°	1036018	176372	9450	731	357
20°	1621163	272879	5975	0	0
25°	1783571	266645	3097	0	0
30°	1742023	192243	1213	0	0
35°	1681329	109348	420	0	0
40°	1433816	46313	0	0	0
45°	841498	17390	487	0	487
50°	204378	3269	536	536	1634
55°	17745	0	1231	1832	2462
60°	689	0	1412	2101	3513
65°	815	815	2486	2486	4157
70°	1007	1007	3072	3072	4129
75°	0	1331	4059	4059	4059
80°	0	1984	6050	4066	4066
85°	0	3952	12054	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 841498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.9
10°-20°	306.8	13.7
20°-30°	779.6	34.9
30°-40°	777.0	34.8
40°-50°	314.8	14.1
50°-60°	21.8	1.0
60°-70°	4.9	0.2
70°-80°	4.9	0.2
80°-90°	2.8	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°	1105.8	49.5
0°-40°	1882.8	84.4
0°-60°	2219.3	99.4
0°-90°	2232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2232.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	318	212	100	45	37	74
15°	5811	989	53	4	2	1691
25°	9386	1403	16	0	0	4238
35°	7997	520	2	0	0	4902
45°	3455	71	2	0	2	2636
55°	59	0	4	6	8	155
65°	2	2	6	6	10	2
75°	0	2	6	6	6	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°	35°	40°	45°	67.5°
0°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	175.4	177.4	177.4	173.4	171.3	171.3	165.2	163.2	157.0	150.9	130.5
5°	318.2	312.0	303.9	303.9	285.5	275.3	261.1	244.7	232.5	212.1	150.9
7.5°	722.0	673.0	658.8	640.4	571.1	516.0	452.8	397.7	346.7	303.9	167.2
10°	1821.3	1725.4	1645.9	1484.8	1282.9	1089.1	909.6	701.6	558.8	444.6	179.5
12.5°	3669.1	3540.6	3387.7	3094.0	2716.7	2233.3	1805.0	1348.1	946.3	654.7	183.6
15°	5810.6	5592.4	5353.8	4980.5	4362.6	3669.1	2896.1	2168.0	1519.5	989.2	179.5
17.5°	7556.5	7470.8	7118.0	6608.1	5851.4	4958.1	4005.7	3010.4	2049.7	1295.1	167.2
20°	8845.5	8786.3	8360.1	7817.5	6965.0	5941.2	4731.7	3536.6	2418.9	1488.9	148.9
22.5°	9467.5	9457.3	9149.4	8594.6	7691.1	6530.6	5198.8	3840.4	2533.1	1515.4	124.4
25°	9385.9	9422.7	9247.3	8835.3	7968.5	6773.3	5337.5	3840.4	2449.5	1403.2	104.0
27.5°	9014.8	9039.2	8929.1	8613.0	7805.3	6597.9	5143.7	3593.7	2206.8	1205.4	85.7
30°	8759.8	8770.0	8633.4	8294.8	7438.2	6198.2	4686.9	3136.8	1839.7	966.7	63.2
32.5°	8449.8	8447.8	8288.7	7901.2	6956.9	5637.3	4107.6	2592.3	1413.4	734.2	36.7
35°	7997.0	7946.0	7729.8	7283.2	6238.9	4882.7	3367.3	1974.3	1017.7	520.1	22.4
37.5°	7375.0	7242.4	6936.5	6338.9	5231.4	3828.2	2496.4	1386.9	695.5	344.7	14.3
40°	6377.6	6236.9	5820.8	5094.8	3956.7	2755.4	1682.6	903.5	438.5	206.0	8.2
42.5°	5000.9	4905.1	4344.2	3620.2	2612.6	1758.1	1011.6	534.4	246.8	118.3	2.0
45°	3455.0	3330.6	2890.0	2276.1	1568.4	974.9	567.0	279.4	140.7	71.4	0.0
47.5°	1907.0	1754.0	1499.1	1178.9	789.3	511.9	285.5	150.9	79.5	34.7	0.0
50°	762.8	756.7	601.7	428.3	301.9	232.5	142.8	81.6	40.8	12.2	2.0
52.5°	267.2	267.2	230.5	187.6	146.8	106.1	71.4	38.8	14.3	4.1	2.0
55°	59.1	65.3	61.2	57.1	55.1	46.9	30.6	14.3	4.1	0.0	2.0
57.5°	6.1	6.1	6.1	8.2	10.2	10.2	8.2	4.1	0.0	0.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	4.1
62.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	4.1
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
75°	0.0	0.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	6.1
77.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	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):

	90°	112.5°	135°	157.5°	180°
0°	106.1	106.1	106.1	106.1	106.1
2.5°	106.1	83.6	69.3	61.2	59.1
5°	99.9	63.2	44.9	38.8	36.7
7.5°	89.7	46.9	30.6	24.5	22.4
10°	77.5	34.7	20.4	14.3	14.3
12.5°	65.3	26.5	12.2	6.1	4.1
15°	53.0	16.3	4.1	2.0	2.0
17.5°	40.8	10.2	0.0	0.0	0.0
20°	32.6	4.1	0.0	0.0	0.0
22.5°	24.5	2.0	0.0	0.0	0.0
25°	16.3	0.0	0.0	0.0	0.0
27.5°	10.2	0.0	0.0	0.0	0.0
30°	6.1	0.0	0.0	0.0	0.0
32.5°	2.0	0.0	0.0	0.0	0.0
35°	2.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	2.0	0.0	0.0	2.0	2.0
47.5°	2.0	2.0	2.0	4.1	4.1
50°	2.0	2.0	2.0	4.1	6.1
52.5°	4.1	2.0	4.1	6.1	6.1
55°	4.1	4.1	6.1	8.2	8.2
57.5°	4.1	4.1	6.1	8.2	8.2
60°	4.1	4.1	6.1	8.2	10.2
62.5°	6.1	6.1	6.1	8.2	8.2
65°	6.1	6.1	6.1	8.2	10.2
67.5°	6.1	6.1	6.1	8.2	10.2
70°	6.1	6.1	6.1	8.2	8.2
72.5°	8.2	6.1	6.1	8.2	8.2
75°	6.1	6.1	6.1	6.1	6.1
77.5°	6.1	6.1	4.1	6.1	6.1
80°	6.1	4.1	4.1	4.1	4.1
82.5°	6.1	4.1	4.1	4.1	4.1
85°	6.1	4.1	2.0	2.0	2.0
87.5°	6.1	4.1	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)