

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: P1311766

Luminaire Tested: P3SQAS24R309050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311766
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: P3SQAS24R309050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

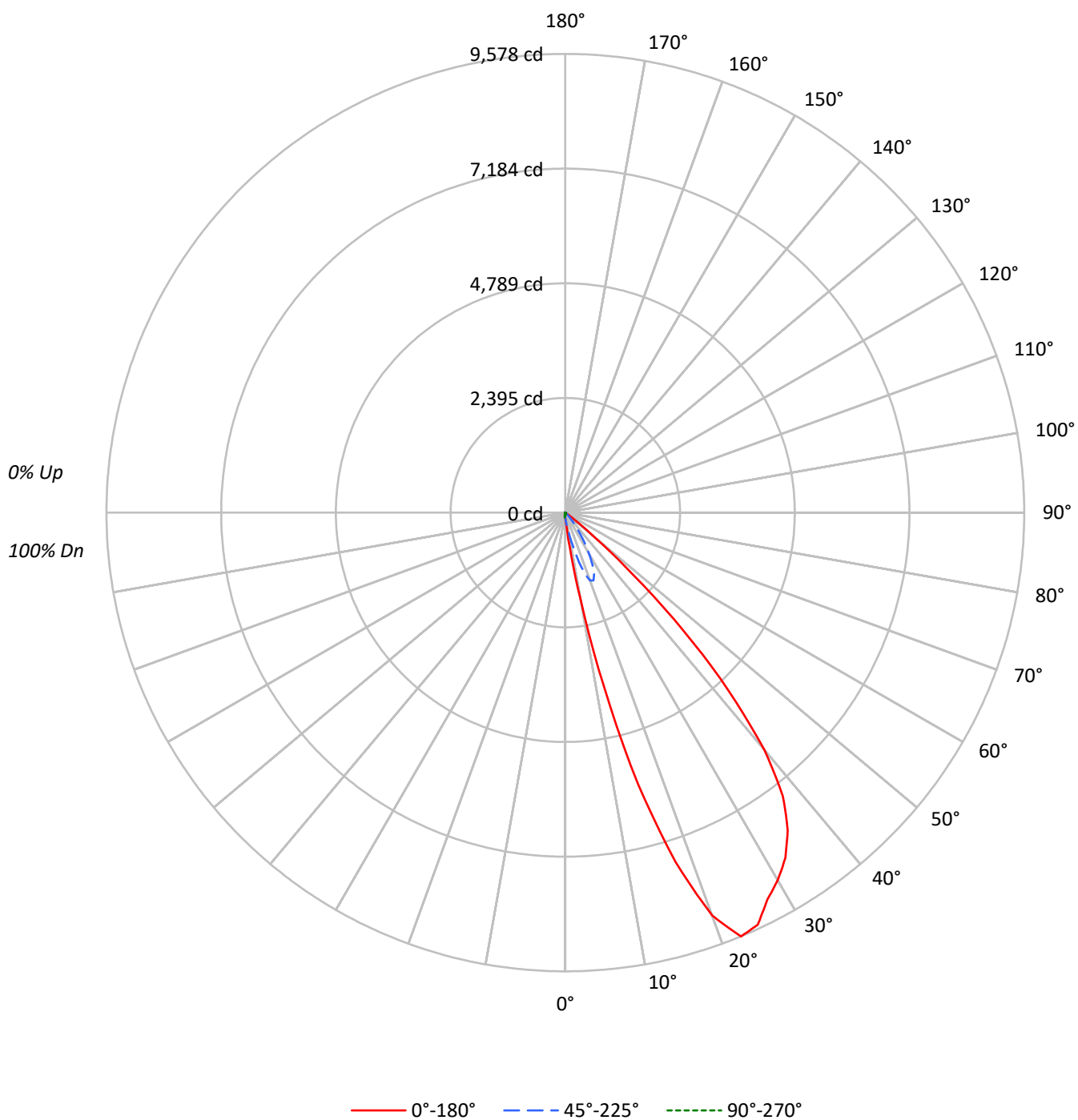
Lumens per Lamp: N/A
Luminaire Lumens: 2258.1 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	103	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	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18479	18479	18479	18479	18479
5°	55650	37100	17478	7849	6414
10°	322215	78661	13711	3603	2518
15°	1048089	178423	9557	731	374
20°	1640041	276050	6048	0	0
25°	1804360	269743	3135	0	0
30°	1762327	194491	1233	0	0
35°	1700924	110610	442	0	0
40°	1450521	46853	0	0	0
45°	851289	17585	511	0	511
50°	206762	3322	563	563	1661
55°	17956	0	1231	1862	2492
60°	723	0	1412	2136	3548
65°	856	856	2527	2527	4197
70°	1057	1057	3122	3122	4179
75°	0	1397	4126	4126	4126
80°	0	2083	6149	4066	4066
85°	0	4150	12251	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 851289 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.9
10°-20°	310.3	13.7
20°-30°	788.6	34.9
30°-40°	786.1	34.8
40°-50°	318.5	14.1
50°-60°	22.0	1.0
60°-70°	5.0	0.2
70°-80°	5.0	0.2
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°	1118.7	49.5
0°-40°	1904.8	84.4
0°-60°	2245.2	99.4
0°-90°	2258.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2258.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	107	107	107	107	107	
5°	322	215	101	45	37	75
15°	5878	1001	54	4	2	1711
25°	9495	1420	16	0	0	4287
35°	8090	526	2	0	0	4959
45°	3495	72	2	0	2	2667
55°	60	0	4	6	8	156
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°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
2.5°	177.4	179.5	179.5	175.4	173.3	173.3	167.1	165.1	158.9	152.7	132.1
5°	321.9	315.7	307.4	307.4	288.9	278.5	264.1	247.6	235.2	214.6	152.7
7.5°	730.4	680.9	666.4	647.9	577.7	522.0	458.1	402.3	350.8	307.4	169.2
10°	1842.5	1745.5	1665.1	1502.1	1297.8	1101.8	920.2	709.8	565.3	449.8	181.6
12.5°	3711.9	3581.9	3427.1	3130.0	2748.3	2259.3	1826.0	1363.8	957.4	662.3	185.7
15°	5878.3	5657.6	5416.1	5038.6	4413.4	3711.9	2929.9	2193.3	1537.2	1000.7	181.6
17.5°	7644.5	7557.8	7200.9	6685.1	5919.6	5015.9	4052.3	3045.4	2073.6	1310.2	169.2
20°	8948.5	8888.7	8457.4	7908.6	7046.2	6010.4	4786.8	3577.8	2447.1	1506.2	150.6
22.5°	9577.8	9567.5	9255.9	8694.7	7780.7	6606.7	5259.3	3885.2	2562.6	1533.0	125.9
25°	9495.3	9532.4	9355.0	8938.2	8061.3	6852.2	5399.6	3885.2	2478.0	1419.5	105.2
27.5°	9119.8	9144.5	9033.1	8713.3	7896.2	6674.8	5203.6	3635.5	2232.5	1219.4	86.7
30°	8861.9	8872.2	8733.9	8391.4	7524.8	6270.4	4741.5	3173.3	1861.1	978.0	64.0
32.5°	8548.2	8546.2	8385.2	7993.2	7037.9	5702.9	4155.5	2622.4	1429.9	742.8	37.1
35°	8090.2	8038.6	7819.9	7368.0	6311.6	4939.5	3406.5	1997.3	1029.6	526.1	22.7
37.5°	7460.9	7326.8	7017.3	6412.7	5292.4	3872.8	2525.5	1403.0	703.6	348.7	14.4
40°	6451.9	6309.6	5888.6	5154.1	4002.8	2787.5	1702.2	914.0	443.6	208.4	8.3
42.5°	5059.2	4962.2	4394.8	3662.3	2643.1	1778.6	1023.4	540.6	249.7	119.7	2.1
45°	3495.2	3369.4	2923.7	2302.6	1586.7	986.3	573.6	282.7	142.4	72.2	0.0
47.5°	1929.2	1774.4	1516.5	1192.6	798.5	517.9	288.9	152.7	80.5	35.1	0.0
50°	771.7	765.5	608.7	433.3	305.4	235.2	144.4	82.5	41.3	12.4	2.1
52.5°	270.3	270.3	233.2	189.8	148.6	107.3	72.2	39.2	14.4	4.1	2.1
55°	59.8	66.0	61.9	57.8	55.7	47.5	30.9	14.4	4.1	0.0	2.1
57.5°	6.2	6.2	6.2	8.3	10.3	10.3	8.3	4.1	0.0	0.0	2.1
60°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	4.1
62.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	4.1
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
75°	0.0	0.0	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	6.2
77.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	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):

	90°	112.5°	135°	157.5°	180°
0°	107.3	107.3	107.3	107.3	107.3
2.5°	107.3	84.6	70.2	61.9	59.8
5°	101.1	64.0	45.4	39.2	37.1
7.5°	90.8	47.5	30.9	24.8	22.7
10°	78.4	35.1	20.6	14.4	14.4
12.5°	66.0	26.8	12.4	6.2	4.1
15°	53.6	16.5	4.1	2.1	2.1
17.5°	41.3	10.3	0.0	0.0	0.0
20°	33.0	4.1	0.0	0.0	0.0
22.5°	24.8	2.1	0.0	0.0	0.0
25°	16.5	0.0	0.0	0.0	0.0
27.5°	10.3	0.0	0.0	0.0	0.0
30°	6.2	0.0	0.0	0.0	0.0
32.5°	2.1	0.0	0.0	0.0	0.0
35°	2.1	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°	2.1	0.0	0.0	2.1	2.1
47.5°	2.1	2.1	2.1	4.1	4.1
50°	2.1	2.1	2.1	4.1	6.2
52.5°	4.1	2.1	4.1	6.2	6.2
55°	4.1	4.1	6.2	8.3	8.3
57.5°	4.1	4.1	6.2	8.3	8.3
60°	4.1	4.1	6.2	8.3	10.3
62.5°	6.2	6.2	6.2	8.3	8.3
65°	6.2	6.2	6.2	8.3	10.3
67.5°	6.2	6.2	6.2	8.3	10.3
70°	6.2	6.2	6.2	8.3	8.3
72.5°	8.3	6.2	6.2	8.3	8.3
75°	6.2	6.2	6.2	6.2	6.2
77.5°	6.2	6.2	4.1	6.2	6.2
80°	6.2	4.1	4.1	4.1	4.1
82.5°	6.2	4.1	4.1	4.1	4.1
85°	6.2	4.1	2.1	2.1	2.1
87.5°	6.2	4.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)