

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: P1308487

Luminaire Tested: P3SQAS24R409030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

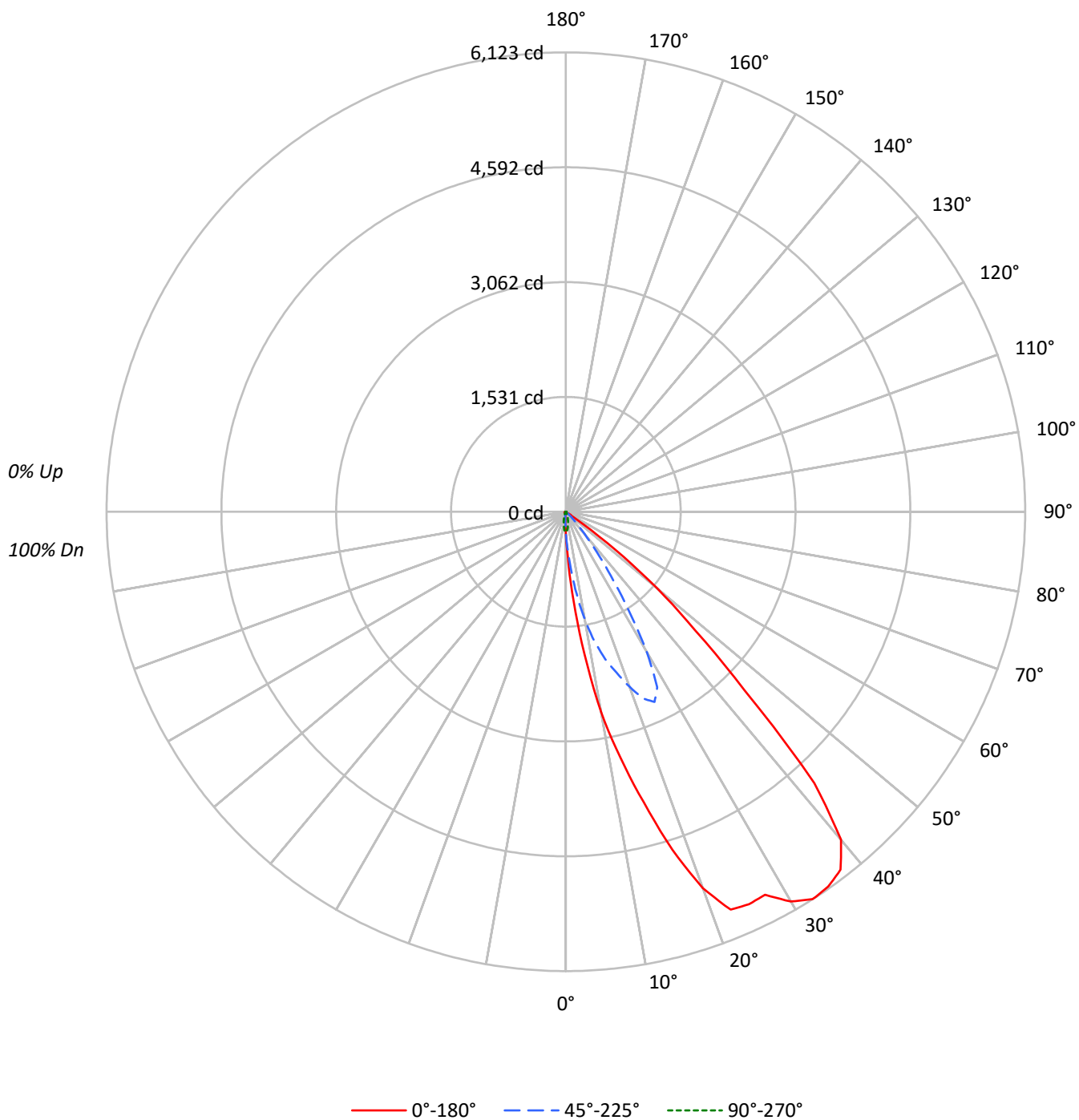
Lumens per Lamp: N/A
Luminaire Lumens: 2258.9 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46035	46035	46035	46035	46035
5°	207612	132357	41267	15836	11548
10°	476127	255761	29047	5684	4337
15°	714547	362890	18044	3067	2728
20°	978380	454890	10502	1741	2108
25°	1096777	531524	5435	1444	1805
30°	1192975	429052	2287	1134	1889
35°	1282116	219580	799	1598	2418
40°	1282580	87568	427	1709	3013
45°	818896	29300	926	2801	4189
50°	425099	3590	1527	3590	5117
55°	36692	570	1711	4594	6305
60°	1309	654	1963	5270	7233
65°	1549	774	3097	5461	7784
70°	957	957	3827	5791	7704
75°	1264	1264	3793	6321	8917
80°	1884	1884	5653	5653	7538
85°	0	3754	11263	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 818896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	2.3
10°-20°	305.8	13.5
20°-30°	669.6	29.6
30°-40°	762.8	33.8
40°-50°	402.5	17.8
50°-60°	47.5	2.1
60°-70°	8.5	0.4
70°-80°	7.0	0.3
80°-90°	3.2	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°	1027.4	45.5
0°-40°	1790.3	79.3
0°-60°	2240.2	99.2
0°-90°	2258.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2258.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	267	267	267	267	267	
5°	1201	766	239	92	67	162
15°	4008	2035	101	17	15	1181
25°	5772	2797	29	8	10	2659
35°	6098	1044	4	8	12	3780
45°	3362	120	4	12	17	2711
55°	122	2	6	15	21	379
65°	4	2	8	13	19	4
75°	2	2	6	10	13	2
85°	0	2	6	4	4	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°	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3
2.5°	595.7	595.7	593.8	576.6	574.7	572.8	542.2	534.6	498.3	473.5	360.9
5°	1200.9	1174.2	1172.3	1141.7	1090.2	1021.5	977.5	906.9	838.2	765.6	444.9
7.5°	1913.1	1936.0	1873.0	1840.5	1726.0	1643.9	1517.9	1407.1	1252.5	1107.4	513.6
10°	2722.6	2682.5	2619.5	2556.5	2432.4	2285.4	2098.3	1901.6	1678.2	1462.5	551.8
12.5°	3354.6	3303.0	3264.8	3178.9	3056.7	2867.7	2644.3	2380.9	2084.9	1773.7	549.9
15°	4007.6	3956.0	3870.1	3793.7	3612.3	3400.4	3157.9	2810.4	2447.7	2035.3	509.8
17.5°	4725.4	4658.6	4563.1	4446.7	4271.0	4036.2	3728.8	3304.9	2791.3	2249.1	437.2
20°	5338.3	5298.2	5202.8	5065.3	4893.5	4664.3	4309.2	3839.5	3213.3	2482.0	347.5
22.5°	5739.3	5703.0	5638.1	5517.8	5388.0	5143.6	4819.0	4303.5	3566.5	2694.0	263.5
25°	5771.7	5756.4	5739.3	5699.2	5620.9	5447.1	5130.2	4574.6	3786.1	2797.1	194.7
27.5°	5754.5	5748.8	5745.0	5724.0	5672.4	5500.6	5176.0	4614.7	3757.4	2636.7	143.2
30°	5998.9	5981.7	5972.2	5903.5	5767.9	5502.5	5078.6	4399.0	3339.3	2157.5	103.1
32.5°	6123.0	6119.2	6109.7	6042.8	5851.9	5506.3	4914.5	3877.7	2648.2	1558.0	70.6
35°	6098.2	6079.1	6044.7	5920.6	5655.2	5221.8	4383.7	3096.8	1911.2	1044.4	45.8
37.5°	6014.2	5970.3	5903.5	5680.1	5326.9	4735.0	3555.1	2279.7	1300.2	675.9	26.7
40°	5704.9	5645.7	5540.7	5267.7	4803.7	3902.5	2629.1	1540.8	853.4	389.5	7.6
42.5°	4904.9	4828.5	4752.2	4446.7	3915.9	2909.7	1729.8	952.7	486.9	213.8	1.9
45°	3362.2	3266.8	3161.7	2940.3	2514.5	1762.3	1029.1	536.5	252.0	120.3	1.9
47.5°	2335.0	2291.1	2107.8	1825.3	1399.5	933.6	532.7	263.5	133.6	55.4	1.9
50°	1586.6	1537.0	1323.1	1050.1	744.6	446.8	244.4	131.7	59.2	13.4	1.9
52.5°	832.4	771.3	635.8	485.0	301.7	187.1	106.9	57.3	17.2	1.9	1.9
55°	122.2	112.6	91.6	74.5	66.8	51.6	30.5	13.4	1.9	1.9	3.8
57.5°	3.8	3.8	3.8	3.8	5.7	5.7	3.8	1.9	1.9	1.9	3.8
60°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8
62.5°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8
65°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8
67.5°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	5.7
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.7
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
82.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	5.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8
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°	267.3	267.3	267.3	267.3	267.3
2.5°	263.5	194.7	150.8	129.8	127.9
5°	238.7	139.4	91.6	70.6	66.8
7.5°	202.4	97.4	53.5	38.2	36.3
10°	166.1	66.8	32.5	26.7	24.8
12.5°	131.7	43.9	22.9	21.0	19.1
15°	101.2	28.6	17.2	15.3	15.3
17.5°	76.4	19.1	13.4	13.4	13.4
20°	57.3	13.4	9.5	11.5	11.5
22.5°	40.1	9.5	7.6	9.5	9.5
25°	28.6	7.6	7.6	9.5	9.5
27.5°	19.1	5.7	5.7	7.6	9.5
30°	11.5	3.8	5.7	7.6	9.5
32.5°	5.7	3.8	5.7	9.5	9.5
35°	3.8	5.7	7.6	9.5	11.5
37.5°	1.9	5.7	7.6	11.5	11.5
40°	1.9	5.7	7.6	11.5	13.4
42.5°	3.8	7.6	9.5	13.4	15.3
45°	3.8	7.6	11.5	15.3	17.2
47.5°	3.8	7.6	13.4	17.2	17.2
50°	5.7	9.5	13.4	17.2	19.1
52.5°	5.7	9.5	13.4	19.1	21.0
55°	5.7	9.5	15.3	19.1	21.0
57.5°	5.7	11.5	15.3	19.1	21.0
60°	5.7	9.5	15.3	19.1	21.0
62.5°	7.6	9.5	13.4	19.1	19.1
65°	7.6	9.5	13.4	19.1	19.1
67.5°	7.6	9.5	13.4	17.2	17.2
70°	7.6	9.5	11.5	15.3	15.3
72.5°	7.6	9.5	11.5	13.4	15.3
75°	5.7	7.6	9.5	11.5	13.4
77.5°	5.7	7.6	7.6	11.5	11.5
80°	5.7	5.7	5.7	7.6	7.6
82.5°	5.7	5.7	3.8	5.7	5.7
85°	5.7	3.8	3.8	3.8	3.8
87.5°	3.8	3.8	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)