

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: P1310689

Luminaire Tested: P3SQAS24R309040D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310689
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: P3SQAS24R309040D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

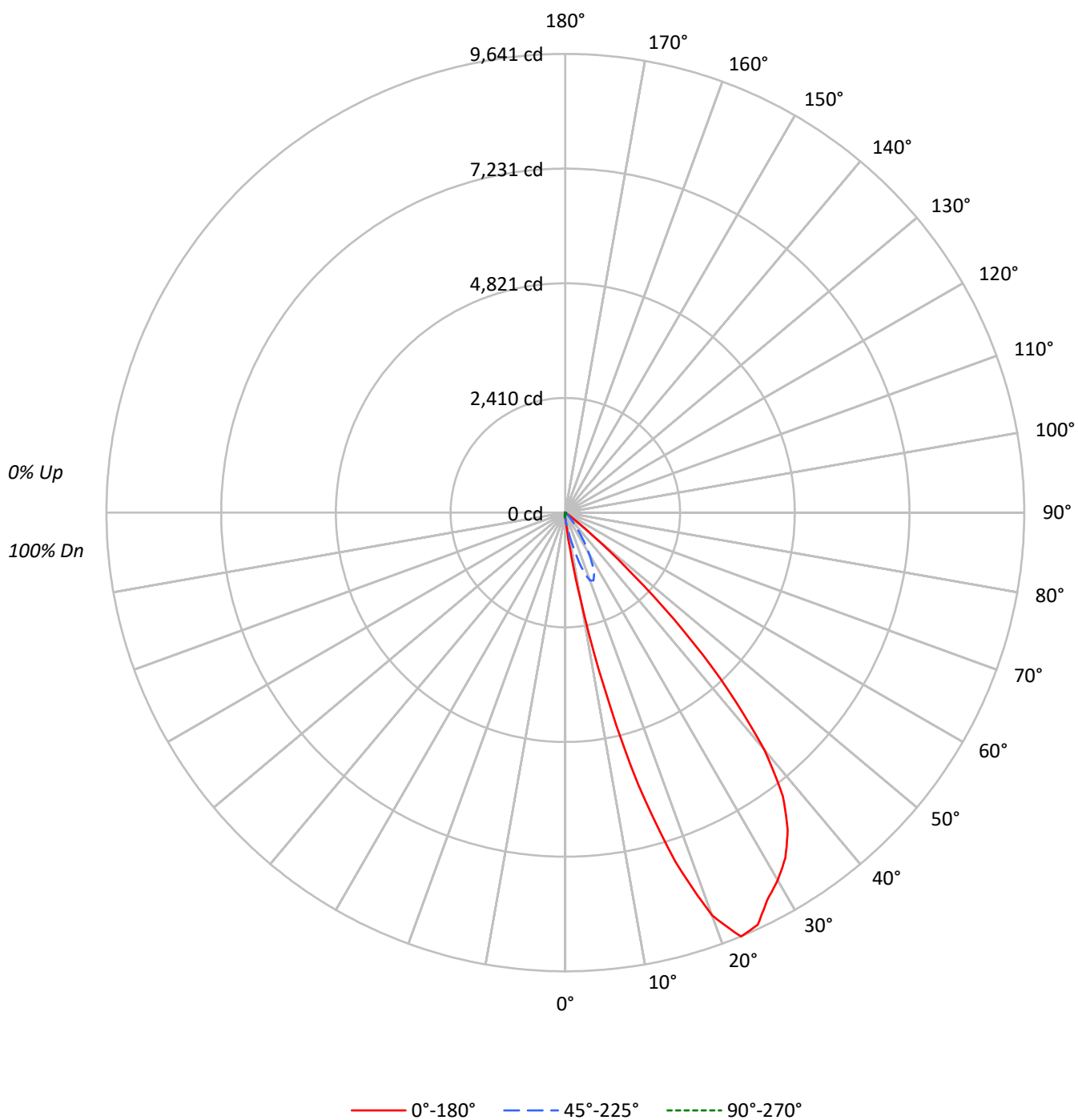
Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	18600	18600	18600	18600	18600
5°	56013	37342	17599	7901	6466
10°	324366	79185	13798	3637	2536
15°	1055061	179600	9628	749	374
20°	1650946	277882	6085	0	0
25°	1816351	271548	3154	0	0
30°	1774020	195783	1233	0	0
35°	1712214	111346	442	0	0
40°	1460165	47167	0	0	0
45°	856940	17707	511	0	511
50°	208129	3349	563	563	1661
55°	18076	0	1261	1862	2492
60°	723	0	1447	2136	3582
65°	856	856	2527	2527	4238
70°	1057	1057	3122	3122	4179
75°	0	1397	4126	4126	4126
80°	0	2083	6149	4166	4166
85°	0	4150	12251	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 856940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.9
10°-20°	312.4	13.7
20°-30°	793.9	34.9
30°-40°	791.3	34.8
40°-50°	320.6	14.1
50°-60°	22.2	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°	1126.1	49.5
0°-40°	1917.4	84.4
0°-60°	2260.1	99.4
0°-90°	2273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	324	216	102	46	37	75
15°	5917	1007	54	4	2	1722
25°	9558	1429	17	0	0	4316
35°	8144	530	2	0	0	4992
45°	3518	73	2	0	2	2684
55°	60	0	4	6	8	157
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°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
2.5°	178.6	180.7	180.7	176.5	174.5	174.5	168.2	166.2	159.9	153.7	132.9
5°	324.0	317.8	309.5	309.5	290.8	280.4	265.9	249.2	236.8	216.0	153.7
7.5°	735.3	685.4	670.9	652.2	581.6	525.5	461.1	405.0	353.1	309.5	170.3
10°	1854.8	1757.1	1676.1	1512.1	1306.4	1109.1	926.3	714.5	569.1	452.8	182.8
12.5°	3736.5	3605.7	3449.9	3150.8	2766.6	2274.3	1838.1	1372.9	963.7	666.7	186.9
15°	5917.4	5695.1	5452.1	5072.0	4442.7	3736.5	2949.3	2207.9	1547.4	1007.3	182.8
17.5°	7695.3	7608.1	7248.7	6729.5	5958.9	5049.2	4079.2	3065.7	2087.4	1318.9	170.3
20°	9008.0	8947.7	8513.6	7961.1	7093.0	6050.3	4818.6	3601.5	2463.3	1516.2	151.6
22.5°	9641.4	9631.1	9317.4	8752.5	7832.4	6650.6	5294.3	3911.0	2579.6	1543.2	126.7
25°	9558.4	9595.7	9417.1	8997.6	8114.8	6897.7	5435.5	3911.0	2494.5	1429.0	105.9
27.5°	9180.3	9205.3	9093.1	8771.2	7948.7	6719.1	5238.2	3659.7	2247.3	1227.5	87.2
30°	8920.7	8931.1	8791.9	8447.2	7574.8	6312.0	4772.9	3194.4	1873.5	984.5	64.4
32.5°	8605.0	8602.9	8440.9	8046.3	7084.7	5740.8	4183.1	2639.9	1439.4	747.7	37.4
35°	8143.9	8092.0	7871.8	7417.0	6353.5	4972.3	3429.1	2010.5	1036.4	529.6	22.8
37.5°	7510.4	7375.4	7063.9	6455.3	5327.5	3898.5	2542.2	1412.4	708.3	351.0	14.5
40°	6494.8	6351.5	5927.8	5188.3	4029.4	2806.0	1713.5	920.1	446.6	209.8	8.3
42.5°	5092.8	4995.2	4424.0	3686.7	2660.6	1790.4	1030.2	544.2	251.3	120.5	2.1
45°	3518.4	3391.7	2943.1	2317.9	1597.2	992.8	577.4	284.5	143.3	72.7	0.0
47.5°	1942.0	1786.2	1526.6	1200.5	803.8	521.3	290.8	153.7	81.0	35.3	0.0
50°	776.8	770.6	612.7	436.2	307.4	236.8	145.4	83.1	41.5	12.5	2.1
52.5°	272.1	272.1	234.7	191.1	149.5	108.0	72.7	39.5	14.5	4.2	2.1
55°	60.2	66.5	62.3	58.2	56.1	47.8	31.2	14.5	4.2	0.0	2.1
57.5°	6.2	6.2	6.2	8.3	10.4	10.4	8.3	4.2	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	4.2
62.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	4.2
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
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	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2
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°	108.0	108.0	108.0	108.0	108.0
2.5°	108.0	85.2	70.6	62.3	60.2
5°	101.8	64.4	45.7	39.5	37.4
7.5°	91.4	47.8	31.2	24.9	22.8
10°	78.9	35.3	20.8	14.5	14.5
12.5°	66.5	27.0	12.5	6.2	4.2
15°	54.0	16.6	4.2	2.1	2.1
17.5°	41.5	10.4	0.0	0.0	0.0
20°	33.2	4.2	0.0	0.0	0.0
22.5°	24.9	2.1	0.0	0.0	0.0
25°	16.6	0.0	0.0	0.0	0.0
27.5°	10.4	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	4.2	4.2
50°	2.1	2.1	2.1	4.2	6.2
52.5°	4.2	2.1	4.2	6.2	6.2
55°	4.2	4.2	6.2	8.3	8.3
57.5°	4.2	4.2	6.2	8.3	8.3
60°	4.2	4.2	6.2	8.3	10.4
62.5°	6.2	6.2	6.2	8.3	8.3
65°	6.2	6.2	6.2	8.3	10.4
67.5°	6.2	6.2	6.2	8.3	10.4
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	4.2	6.2	6.2
80°	6.2	4.2	4.2	4.2	4.2
82.5°	6.2	4.2	4.2	4.2	4.2
85°	6.2	4.2	2.1	2.1	2.1
87.5°	6.2	4.2	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)