

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: P1309603

Luminaire Tested: P3SQAS24R409035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

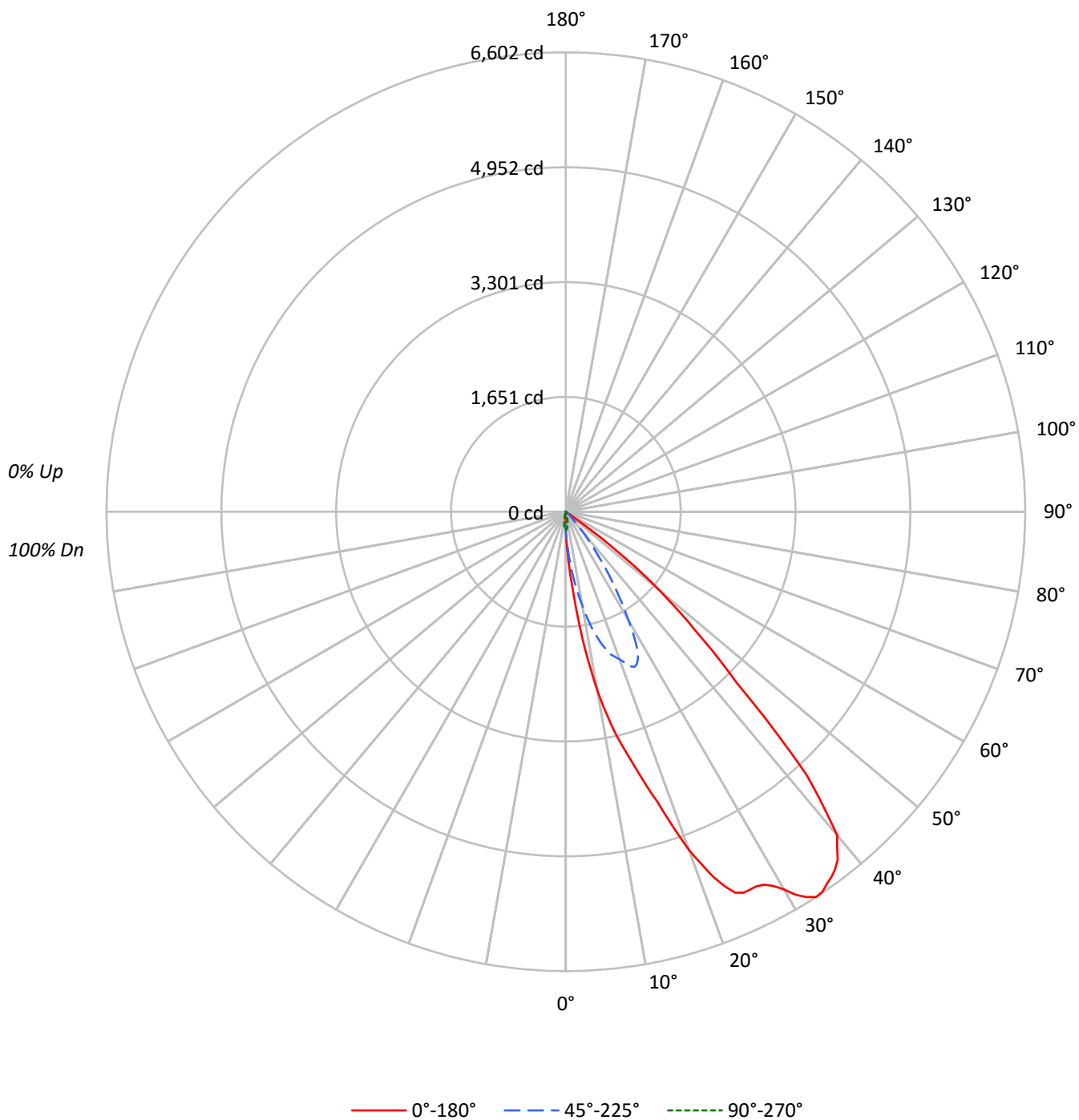
Lumens per Lamp: N/A
Luminaire Lumens: 2216.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	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	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44640	44640	44640	44640	44640
5°	189460	129124	39157	7054	3527
10°	455404	240197	24273	717	0
15°	670258	348947	10181	0	0
20°	947424	413671	3739	0	0
25°	1147533	459161	0	0	0
30°	1245952	359171	0	0	0
35°	1373888	210245	0	0	0
40°	1363605	85342	0	0	0
45°	844494	24843	0	0	0
50°	470245	536	0	0	0
55°	45970	0	0	0	0
60°	0	0	689	0	0
65°	0	0	815	0	0
70°	0	1007	2065	0	0
75°	0	1331	2728	0	0
80°	0	1984	4066	0	0
85°	0	3952	8102	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 848489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	2.2
10°-20°	285.6	12.9
20°-30°	652.0	29.4
30°-40°	769.9	34.7
40°-50°	411.3	18.6
50°-60°	44.7	2.0
60°-70°	0.9	0.0
70°-80°	1.6	0.1
80°-90°	1.4	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°	986.2	44.5
0°-40°	1756.1	79.2
0°-60°	2212.1	99.8
0°-90°	2216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2216.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	259	259	259	259	259	
5°	1096	747	226	41	20	154
15°	3759	1957	57	0	0	1117
25°	6039	2416	0	0	0	2742
35°	6535	1000	0	0	0	4036
45°	3467	102	0	0	0	2859
55°	153	0	0	0	0	429
65°	0	0	2	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2
2.5°	604.1	591.8	600.0	583.7	583.7	546.9	549.0	518.4	473.5	361.2	257.1
5°	1095.9	1144.9	1106.1	1055.1	1026.5	989.8	940.8	889.8	746.9	451.0	226.5
7.5°	1834.7	1830.6	1765.3	1710.2	1646.9	1549.0	1457.1	1332.6	1063.3	516.3	187.8
10°	2604.1	2589.8	2516.3	2469.4	2349.0	2208.2	2020.4	1820.4	1373.5	538.8	138.8
12.5°	3244.9	3226.5	3165.3	3085.7	2953.1	2775.5	2573.5	2310.2	1700.0	514.3	89.8
15°	3759.2	3755.1	3695.9	3587.7	3449.0	3275.5	3046.9	2730.6	1957.1	451.0	57.1
17.5°	4369.4	4393.9	4287.7	4171.4	3971.4	3728.6	3449.0	3087.7	2146.9	373.5	36.7
20°	5169.4	5134.7	5036.7	4867.3	4675.5	4383.7	3987.7	3471.4	2257.1	289.8	20.4
21°	5414.3	5400.0	5297.9	5140.8	4928.6	4632.6	4224.5	3667.3	2308.2	259.2	16.3
22°	5663.2	5638.8	5559.2	5406.1	5206.1	4871.4	4422.4	3869.4	2373.5	226.5	10.2
23°	5849.0	5838.8	5777.5	5626.5	5420.4	5095.9	4636.7	4057.1	2418.4	195.9	6.1
24°	5991.8	5979.6	5918.4	5804.1	5626.5	5287.7	4853.0	4259.2	2436.7	169.4	2.0
25°	6038.8	6044.9	6008.1	5918.4	5769.4	5430.6	5014.3	4418.4	2416.3	144.9	0.0
26°	6040.8	6059.2	6032.6	5981.6	5859.2	5544.9	5165.3	4512.2	2363.3	122.4	0.0
27°	6040.8	6059.2	6032.6	5993.9	5873.5	5610.2	5246.9	4522.4	2281.6	104.1	0.0
28°	6069.4	6079.6	6044.9	5997.9	5867.3	5630.6	5269.4	4461.2	2151.0	89.8	0.0
29°	6149.0	6138.8	6081.6	6018.4	5861.2	5630.6	5202.0	4344.9	1987.7	75.5	0.0
30°	6265.3	6265.3	6175.5	6075.5	5889.8	5628.6	5093.9	4134.7	1806.1	61.2	0.0
31°	6422.4	6408.1	6318.3	6169.4	5951.0	5628.6	4934.7	3902.0	1638.8	53.1	0.0
32°	6528.6	6520.4	6434.7	6259.2	6051.0	5628.6	4763.3	3644.9	1457.1	42.9	0.0
33°	6602.0	6585.7	6487.7	6306.1	6112.2	5600.0	4571.4	3369.4	1293.9	34.7	0.0
34°	6591.8	6587.7	6485.7	6297.9	6100.0	5481.6	4349.0	3063.3	1142.9	28.6	0.0
35°	6534.7	6534.7	6410.2	6216.3	6012.2	5308.1	4128.6	2802.0	1000.0	20.4	0.0
36°	6491.8	6475.5	6334.7	6118.4	5865.3	5034.7	3802.0	2538.8	846.9	16.3	0.0
37°	6428.6	6397.9	6240.8	6008.1	5657.1	4738.8	3459.2	2304.1	716.3	10.2	0.0
38°	6346.9	6300.0	6108.1	5879.6	5428.6	4397.9	3110.2	2040.8	595.9	6.1	0.0
39°	6197.9	6159.2	5961.2	5714.3	5155.1	4038.8	2771.4	1793.9	481.6	2.0	0.0
40°	6065.3	5997.9	5773.5	5489.8	4834.7	3632.6	2434.7	1551.0	379.6	0.0	0.0
42.5°	5114.3	5042.8	4991.8	4710.2	3851.0	2608.2	1700.0	993.9	198.0	0.0	0.0
45°	3467.3	3483.7	3324.5	3134.7	2540.8	1700.0	1063.3	553.1	102.0	0.0	0.0
47.5°	2528.6	2485.7	2269.4	1910.2	1489.8	993.9	555.1	267.3	40.8	0.0	0.0
50°	1755.1	1673.5	1477.5	1208.2	810.2	473.5	244.9	124.5	2.0	0.0	0.0
52.5°	953.1	895.9	759.2	551.0	336.7	181.6	98.0	51.0	0.0	0.0	0.0
55°	153.1	106.1	110.2	93.9	73.5	53.1	30.6	6.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1	4.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1	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):

	112.5°	135°	157.5°	180°
0°	259.2	259.2	259.2	259.2
2.5°	173.5	118.4	89.8	77.6
5°	100.0	40.8	22.4	20.4
7.5°	49.0	14.3	8.2	8.2
10°	20.4	4.1	0.0	0.0
12.5°	6.1	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	2.0	0.0	0.0	0.0
67.5°	2.0	0.0	0.0	0.0
70°	2.0	0.0	0.0	0.0
72.5°	2.0	0.0	0.0	0.0
75°	2.0	0.0	0.0	0.0
77.5°	2.0	0.0	0.0	0.0
80°	2.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.0	0.0	0.0	0.0
85°	2.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)