

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: P1310721

Luminaire Tested: P3SQAS24R409040D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310721
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: P3SQAS24R409040D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

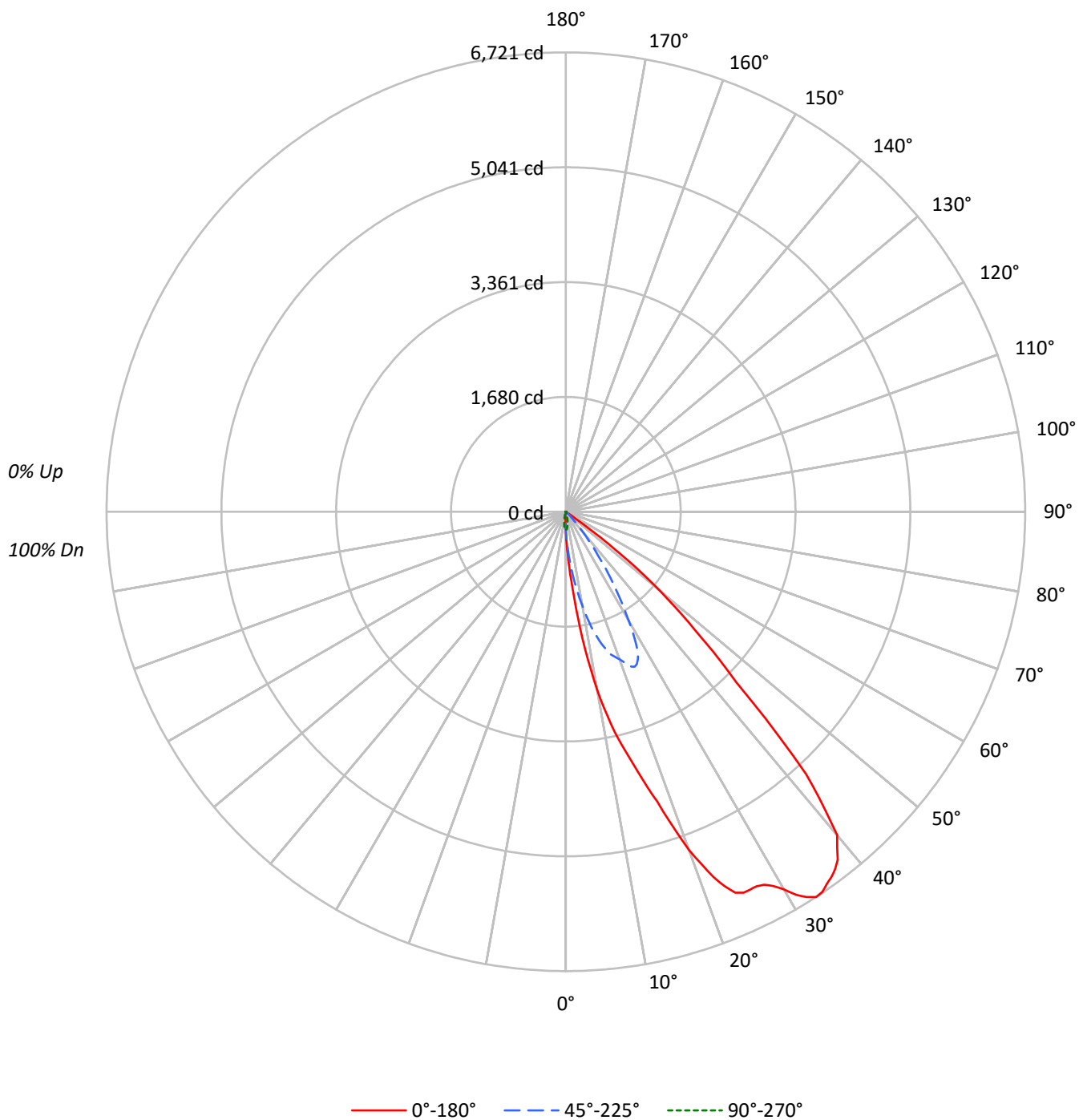
Lumens per Lamp: N/A
Luminaire Lumens: 2256.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	45450	45450	45450	45450	45450
5°	192883	131458	39866	7192	3596
10°	463623	244534	24710	734	0
15°	682346	355259	10377	0	0
20°	964524	421149	3812	0	0
25°	1168246	467447	0	0	0
30°	1268444	365654	0	0	0
35°	1398676	214029	0	0	0
40°	1388223	86871	0	0	0
45°	859741	25306	0	0	0
50°	478739	563	0	0	0
55°	46781	0	0	0	0
60°	0	0	723	0	0
65°	0	0	856	0	0
70°	0	1057	2115	0	0
75°	0	1397	2795	0	0
80°	0	2083	4166	0	0
85°	0	4150	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 863784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	2.2
10°-20°	290.8	12.9
20°-30°	663.8	29.4
30°-40°	783.8	34.7
40°-50°	418.7	18.6
50°-60°	45.5	2.0
60°-70°	0.9	0.0
70°-80°	1.6	0.1
80°-90°	1.5	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°	1004.0	44.5
0°-40°	1787.8	79.2
0°-60°	2252.0	99.8
0°-90°	2256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	264	264	264	264	264	
5°	1116	760	231	42	21	157
15°	3827	1992	58	0	0	1137
25°	6148	2460	0	0	0	2791
35°	6653	1018	0	0	0	4109
45°	3530	104	0	0	0	2910
55°	156	0	0	0	0	437
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°	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9
2.5°	615.0	602.5	610.8	594.2	594.2	556.8	558.9	527.7	482.0	367.7	261.8
5°	1115.7	1165.6	1126.1	1074.1	1045.1	1007.7	957.8	905.9	760.4	459.2	230.6
7.5°	1867.8	1863.7	1797.2	1741.1	1676.7	1576.9	1483.4	1356.7	1082.5	525.6	191.1
10°	2651.1	2636.5	2561.7	2514.0	2391.4	2248.0	2056.9	1853.3	1398.3	548.5	141.3
12.5°	3303.5	3284.8	3222.4	3141.4	3006.4	2825.6	2619.9	2351.9	1730.7	523.6	91.4
15°	3827.0	3822.9	3762.6	3652.5	3511.2	3334.6	3101.9	2779.9	1992.5	459.2	58.2
17.5°	4448.2	4473.2	4365.1	4246.7	4043.1	3795.9	3511.2	3143.5	2185.7	380.2	37.4
20°	5262.7	5227.4	5127.6	4955.2	4759.9	4462.8	4059.7	3534.1	2297.9	295.0	20.8
21°	5512.0	5497.5	5393.6	5233.6	5017.5	4716.3	4300.7	3733.5	2349.8	263.9	16.6
22°	5765.5	5740.5	5659.5	5503.7	5300.1	4959.3	4502.3	3939.2	2416.3	230.6	10.4
23°	5954.5	5944.2	5881.8	5728.1	5518.2	5187.9	4720.4	4130.4	2462.0	199.5	6.2
24°	6100.0	6087.5	6025.2	5908.8	5728.1	5383.2	4940.6	4336.1	2480.7	172.4	2.1
25°	6147.8	6154.0	6116.6	6025.2	5873.5	5528.6	5104.8	4498.1	2459.9	147.5	0.0
26°	6149.8	6168.5	6141.5	6089.6	5964.9	5645.0	5258.5	4593.7	2405.9	124.7	0.0
27°	6149.8	6168.5	6141.5	6102.1	5979.5	5711.5	5341.6	4604.1	2322.8	106.0	0.0
28°	6178.9	6189.3	6154.0	6106.2	5973.2	5732.2	5364.5	4541.7	2189.8	91.4	0.0
29°	6260.0	6249.6	6191.4	6127.0	5967.0	5732.2	5295.9	4423.3	2023.6	76.9	0.0
30°	6378.4	6378.4	6287.0	6185.2	5996.1	5730.2	5185.8	4209.3	1838.7	62.3	0.0
31°	6538.4	6523.8	6432.4	6280.7	6058.4	5730.2	5023.8	3972.5	1668.4	54.0	0.0
32°	6646.4	6638.1	6550.8	6372.1	6160.2	5730.2	4849.2	3710.7	1483.4	43.6	0.0
33°	6721.2	6704.6	6604.8	6419.9	6222.6	5701.1	4653.9	3430.2	1317.2	35.3	0.0
34°	6710.8	6706.6	6602.8	6411.6	6210.1	5580.6	4427.5	3118.6	1163.5	29.1	0.0
35°	6652.6	6652.6	6525.9	6328.5	6120.8	5404.0	4203.1	2852.6	1018.0	20.8	0.0
36°	6609.0	6592.4	6449.0	6228.8	5971.2	5125.6	3870.7	2584.6	862.2	16.6	0.0
37°	6544.6	6513.4	6353.4	6116.6	5759.2	4824.3	3521.6	2345.7	729.3	10.4	0.0
38°	6461.5	6413.7	6218.4	5985.7	5526.5	4477.3	3166.3	2077.6	606.7	6.2	0.0
39°	6309.8	6270.3	6068.8	5817.4	5248.1	4111.7	2821.4	1826.3	490.3	2.1	0.0
40°	6174.8	6106.2	5877.7	5588.9	4921.9	3698.2	2478.6	1579.0	386.4	0.0	0.0
42.5°	5206.6	5133.9	5081.9	4795.2	3920.5	2655.2	1730.7	1011.8	201.5	0.0	0.0
45°	3529.9	3546.5	3384.5	3191.3	2586.7	1730.7	1082.5	563.0	103.9	0.0	0.0
47.5°	2574.2	2530.6	2310.3	1944.7	1516.7	1011.8	565.1	272.2	41.6	0.0	0.0
50°	1786.8	1703.7	1504.2	1230.0	824.8	482.0	249.3	126.7	2.1	0.0	0.0
52.5°	970.3	912.1	772.9	561.0	342.8	184.9	99.7	51.9	0.0	0.0	0.0
55°	155.8	108.0	112.2	95.6	74.8	54.0	31.2	6.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	2.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	4.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	4.2



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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	2.1	2.1	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	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):

	112.5°	135°	157.5°	180°
0°	263.9	263.9	263.9	263.9
2.5°	176.6	120.5	91.4	79.0
5°	101.8	41.6	22.9	20.8
7.5°	49.9	14.5	8.3	8.3
10°	20.8	4.2	0.0	0.0
12.5°	6.2	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°	2.1	0.0	0.0	0.0
67.5°	2.1	0.0	0.0	0.0
70°	2.1	0.0	0.0	0.0
72.5°	2.1	0.0	0.0	0.0
75°	2.1	0.0	0.0	0.0
77.5°	2.1	0.0	0.0	0.0
80°	2.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.1	0.0	0.0	0.0
85°	2.1	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)