

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: P1311781

Luminaire Tested: P3SQAS24R359050D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359050D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

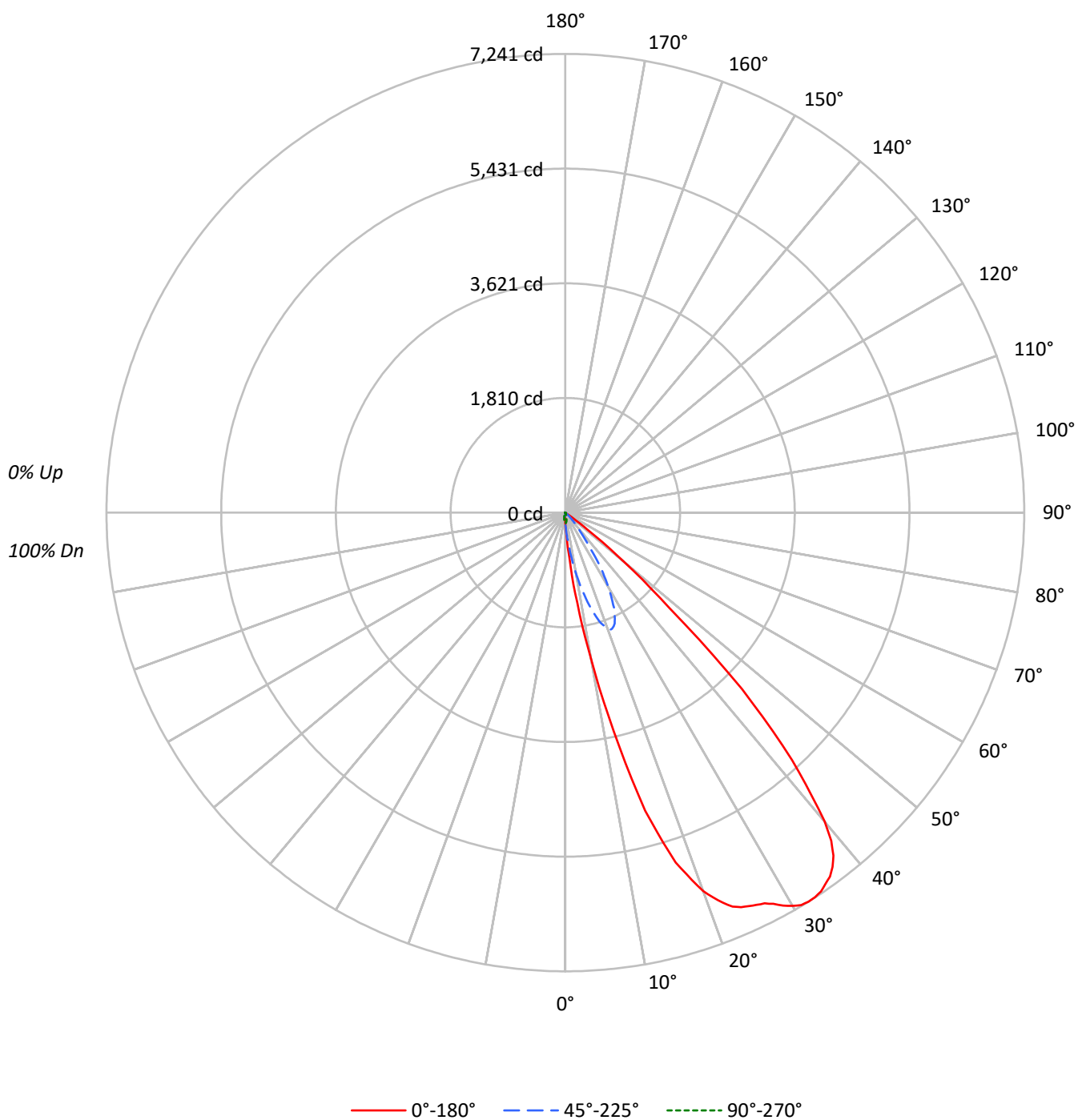
Lumens per Lamp: N/A
Luminaire Lumens: 2163.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28072	28072	28072	28072	28072
5°	122002	75635	26036	9284	6414
10°	410669	170682	19482	2169	717
15°	869024	279981	12142	0	0
20°	1165192	357772	5682	0	0
25°	1302234	351340	1178	0	0
30°	1425588	269204	0	0	0
35°	1504555	146646	0	0	0
40°	1430264	65872	0	0	0
45°	959941	29154	0	0	0
50°	320660	2760	0	0	0
55°	17355	0	0	0	0
60°	0	0	723	0	0
65°	0	0	1671	0	0
70°	0	1057	2065	0	0
75°	0	1397	2728	0	0
80°	0	2083	4066	0	0
85°	0	4150	8102	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 959941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	1.6
10°-20°	300.1	13.9
20°-30°	658.5	30.4
30°-40°	761.6	35.2
40°-50°	376.0	17.4
50°-60°	27.8	1.3
60°-70°	1.0	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°	993.6	45.9
0°-40°	1755.3	81.1
0°-60°	2159.1	99.8
0°-90°	2163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2163.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	163	163	163	163	163	
5°	706	438	151	54	37	121
15°	4874	1570	68	0	0	1375
25°	6853	1849	6	0	0	3168
35°	7156	698	0	0	0	4419
45°	3941	120	0	0	0	2893
55°	58	0	0	0	0	236
65°	0	0	4	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°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	324.0	332.2	328.1	328.1	326.0	315.7	297.1	291.0	268.3	212.5	165.1
5°	705.7	707.8	701.6	670.6	643.8	619.1	565.4	540.6	437.5	260.0	150.6
7.5°	1432.1	1401.1	1361.9	1318.6	1223.7	1137.0	1023.5	903.8	676.8	301.3	134.1
10°	2348.3	2304.9	2271.9	2168.7	1997.5	1820.0	1603.3	1407.3	976.0	330.2	111.4
12.5°	3530.6	3505.9	3388.3	3181.9	2928.1	2672.2	2294.6	1983.0	1277.3	336.4	90.8
15°	4874.0	4832.7	4653.2	4360.2	4015.6	3613.2	3107.6	2583.5	1570.3	317.8	68.1
17.5°	5792.2	5769.5	5614.8	5307.3	4911.1	4399.4	3801.0	3146.8	1811.8	278.6	47.5
20°	6357.6	6324.6	6180.2	5920.2	5505.4	4971.0	4261.1	3505.9	1952.1	229.0	31.0
21°	6504.2	6471.1	6355.6	6085.3	5689.1	5115.4	4387.0	3592.6	1978.9	206.4	24.8
22°	6642.4	6609.4	6487.6	6248.3	5856.2	5257.8	4486.0	3658.6	1974.8	187.8	18.6
23°	6758.0	6722.9	6603.2	6382.4	5988.3	5383.7	4560.3	3691.6	1947.9	169.2	14.4
24°	6817.8	6797.2	6689.9	6481.5	6095.6	5472.4	4611.9	3704.0	1914.9	150.6	10.3
25°	6852.9	6828.1	6722.9	6531.0	6165.7	5542.6	4644.9	3693.7	1848.9	134.1	6.2
26°	6890.0	6852.9	6733.2	6547.5	6202.9	5575.6	4647.0	3666.8	1778.7	119.7	2.1
27°	6923.0	6888.0	6764.2	6559.9	6209.1	5565.3	4630.5	3615.3	1694.1	105.2	2.1
28°	6995.3	6956.1	6813.7	6586.7	6215.3	5538.4	4578.9	3545.1	1582.7	92.9	0.0
29°	7090.2	7048.9	6885.9	6650.7	6229.7	5509.5	4508.7	3452.2	1485.7	82.5	0.0
30°	7168.6	7131.5	6980.8	6731.1	6266.9	5482.7	4426.2	3326.4	1353.7	70.2	0.0
31°	7226.4	7189.2	7051.0	6799.2	6299.9	5458.0	4323.0	3196.4	1234.0	61.9	0.0
32°	7240.8	7209.9	7079.9	6828.1	6299.9	5420.8	4228.1	3049.9	1116.4	51.6	0.0
33°	7234.6	7203.7	7071.6	6807.5	6244.2	5332.1	4112.6	2874.5	982.2	45.4	0.0
34°	7211.9	7174.8	7034.5	6741.5	6134.8	5181.4	3945.4	2699.1	841.9	37.1	0.0
35°	7156.2	7123.2	6970.5	6617.6	5965.6	4952.4	3722.6	2496.8	697.5	31.0	0.0
36°	7102.6	7053.0	6865.3	6464.9	5742.7	4717.2	3456.4	2263.7	573.7	24.8	0.0
37°	7003.5	6933.4	6743.5	6244.2	5427.0	4384.9	3153.0	2007.8	480.8	18.6	0.0
38°	6871.5	6776.5	6535.1	5988.3	5109.2	4073.3	2868.3	1776.7	404.4	12.4	0.0
39°	6667.2	6555.7	6227.6	5637.5	4741.9	3712.2	2542.2	1531.1	344.6	8.3	0.0
40°	6361.8	6256.5	5893.4	5220.7	4376.7	3314.0	2207.9	1254.6	293.0	4.1	0.0
42.5°	5297.0	5152.6	4731.6	4063.0	3235.6	2383.3	1461.0	697.5	194.0	0.0	0.0
45°	3941.3	3813.3	3400.6	2791.9	2156.4	1458.9	782.1	410.6	119.7	0.0	0.0
47.5°	2226.5	2212.1	1943.8	1603.3	1203.0	775.9	396.2	247.6	51.6	0.0	0.0
50°	1196.8	1122.5	967.8	734.6	501.4	338.4	214.6	136.2	10.3	0.0	0.0
52.5°	437.5	423.0	354.9	295.1	227.0	154.8	109.4	59.8	0.0	0.0	0.0
55°	57.8	53.7	55.7	59.8	61.9	53.7	35.1	12.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.1	4.1	4.1	4.1	0.0	0.0	0.0	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	4.1
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	2.1	4.1	4.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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	0.0	2.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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°	163.0	163.0	163.0	163.0
2.5°	125.9	97.0	82.5	80.5
5°	86.7	53.7	39.2	37.1
7.5°	59.8	26.8	18.6	16.5
10°	35.1	12.4	6.2	4.1
12.5°	20.6	2.1	0.0	0.0
15°	6.2	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)