

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: P1317533

Luminaire Tested: P3SQAS02R259835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

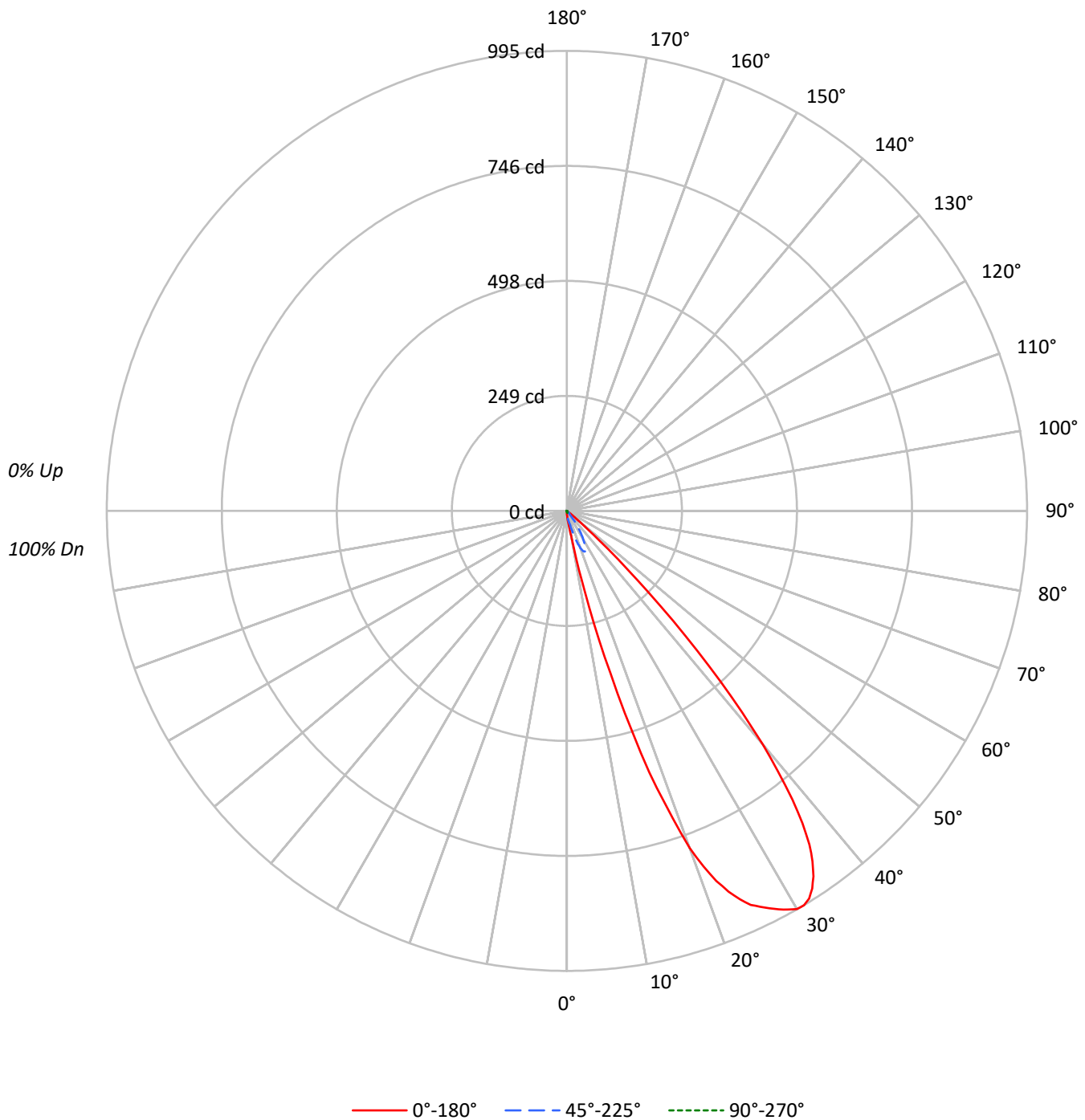
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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	92		
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1068	1068	1068	1068	1068
5°	3319	2317	968	519	380
10°	10493	4215	717	70	0
15°	64829	8023	428	0	0
20°	142167	15652	128	0	0
25°	178701	17996	0	0	0
30°	197812	13921	0	0	0
35°	194729	7884	0	0	0
40°	148022	2068	0	0	0
45°	59964	901	0	0	0
50°	6645	107	0	0	0
55°	510	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.5
10°-20°	20.1	10.3
20°-30°	70.4	36.1
30°-40°	78.5	40.3
40°-50°	23.7	12.2
50°-60°	0.8	0.4
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	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°	91.5	46.9
0°-40°	170.1	87.2
0°-60°	194.6	99.8
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	19	13	6	3	2	3
15°	364	45	2	0	0	121
25°	940	95	0	0	0	429
35°	926	38	0	0	0	556
45°	246	4	0	0	0	213
55°	2	0	0	0	0	5
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	10.6	11.0	10.8	11.0	10.8	10.8	10.8	11.0	10.8	10.8	10.8
5°	19.2	19.4	19.4	19.2	19.2	19.6	19.2	19.4	18.9	19.2	19.1
7.5°	31.6	31.2	31.2	31.4	31.4	31.0	30.8	30.4	30.8	30.8	30.3
10°	60.0	59.6	58.6	58.3	58.6	58.6	56.8	57.2	57.3	55.7	55.1
12.5°	176.1	174.8	177.4	173.3	170.9	167.0	169.2	161.6	159.9	158.8	156.1
15°	363.6	373.5	369.2	369.6	370.4	361.0	364.2	352.6	342.9	339.9	337.9
17.5°	593.0	596.0	592.1	590.2	589.5	585.0	579.6	573.8	566.3	559.8	554.3
20°	775.7	773.4	766.7	767.4	759.4	755.3	750.6	744.8	739.1	729.5	720.4
21°	823.8	817.3	817.5	813.0	812.8	807.6	799.4	793.4	788.2	777.3	771.6
22°	863.4	861.9	858.6	855.2	851.7	849.1	839.9	836.9	826.3	817.3	809.1
23°	894.3	894.8	891.8	889.6	884.7	883.6	871.8	867.7	860.5	846.8	838.4
24°	919.8	918.9	915.6	911.6	908.8	906.2	897.2	890.5	882.5	871.3	863.1
25°	940.4	938.2	935.9	932.9	928.4	925.5	916.3	908.8	901.9	889.4	878.2
26°	952.5	953.1	949.5	947.3	943.4	940.4	930.9	922.1	913.5	900.1	890.0
27°	964.9	964.3	961.1	957.8	953.7	952.5	941.5	932.4	923.6	909.4	897.4
28°	976.3	974.8	972.1	968.2	963.7	960.4	949.7	940.2	930.7	915.6	902.5
29°	985.8	984.3	982.6	977.6	971.8	969.5	958.1	946.6	937.0	921.5	907.7
30°	994.7	991.9	988.0	983.7	978.1	973.8	961.9	951.8	940.6	923.4	910.1
31°	995.1	991.4	988.6	984.1	977.7	972.5	960.0	949.7	936.7	920.6	906.2
32°	988.6	986.7	982.2	977.4	971.2	966.0	952.2	941.3	929.0	911.8	897.4
33°	973.8	972.0	969.3	964.3	956.3	951.4	939.1	927.1	915.0	899.5	883.1
34°	953.5	951.2	947.9	942.8	934.6	929.6	919.7	907.3	894.4	878.4	863.1
35°	926.2	921.9	921.0	913.5	905.8	904.5	892.8	879.9	866.8	849.1	835.8
36°	892.4	887.4	884.0	881.4	876.3	870.2	858.6	848.3	831.5	820.1	801.4
37°	846.3	840.1	843.3	836.2	828.3	825.7	811.0	801.6	787.4	771.9	756.1
38°	792.5	791.9	791.2	788.0	774.5	767.6	761.5	751.6	739.2	720.6	699.1
39°	724.5	725.6	721.7	722.1	715.3	708.4	699.8	688.6	673.7	656.7	639.3
40°	658.4	642.5	645.3	635.8	636.3	626.1	614.9	605.0	595.4	580.5	556.8
42.5°	455.5	453.1	444.7	438.7	441.3	428.1	413.3	399.5	386.2	369.4	348.7
45°	246.2	240.6	242.2	232.5	232.5	226.6	222.4	210.9	198.5	190.9	178.9
47.5°	91.5	92.6	94.7	90.8	86.3	88.9	85.0	85.0	82.9	80.5	77.1
50°	24.8	25.2	24.8	24.8	24.3	23.9	23.2	23.0	22.8	22.2	21.3
52.5°	10.1	9.5	9.5	9.7	9.7	9.3	9.5	9.5	9.3	9.2	9.2
55°	1.7	1.9	1.9	1.9	1.9	1.7	1.7	1.9	2.1	1.9	1.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2.5°	10.5	9.2	7.7	6.4	5.0	4.3	3.9	4.1
5°	17.7	13.4	8.8	5.6	3.9	3.0	2.4	2.2
7.5°	27.3	18.5	9.9	4.9	3.0	1.5	0.9	0.7
10°	41.8	24.1	10.6	4.1	1.9	0.4	0.0	0.0
12.5°	107.4	29.5	10.8	3.4	0.7	0.0	0.0	0.0
15°	220.8	45.0	10.5	2.4	0.2	0.0	0.0	0.0
17.5°	367.0	68.9	9.2	1.7	0.0	0.0	0.0	0.0
20°	509.1	85.4	7.3	0.7	0.0	0.0	0.0	0.0
21°	551.9	90.2	6.5	0.6	0.0	0.0	0.0	0.0
22°	586.8	93.8	5.8	0.4	0.0	0.0	0.0	0.0
23°	616.0	95.6	5.0	0.2	0.0	0.0	0.0	0.0
24°	636.3	96.0	4.7	0.2	0.0	0.0	0.0	0.0
25°	646.0	94.7	4.1	0.0	0.0	0.0	0.0	0.0
26°	649.8	92.1	3.7	0.0	0.0	0.0	0.0	0.0
27°	647.0	88.7	3.4	0.0	0.0	0.0	0.0	0.0
28°	641.9	83.7	2.8	0.0	0.0	0.0	0.0	0.0
29°	632.0	76.9	2.4	0.0	0.0	0.0	0.0	0.0
30°	622.5	70.0	2.1	0.0	0.0	0.0	0.0	0.0
31°	611.7	63.9	1.7	0.0	0.0	0.0	0.0	0.0
32°	598.4	56.8	1.3	0.0	0.0	0.0	0.0	0.0
33°	576.4	50.2	0.9	0.0	0.0	0.0	0.0	0.0
34°	545.6	44.1	0.7	0.0	0.0	0.0	0.0	0.0
35°	504.3	37.5	0.6	0.0	0.0	0.0	0.0	0.0
36°	459.1	30.6	0.4	0.0	0.0	0.0	0.0	0.0
37°	403.8	22.2	0.4	0.0	0.0	0.0	0.0	0.0
38°	346.1	14.0	0.2	0.0	0.0	0.0	0.0	0.0
39°	287.1	10.6	0.2	0.0	0.0	0.0	0.0	0.0
40°	233.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	124.8	6.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	73.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	41.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	14.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
57.5°	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0
67.5°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
70°	0.0	0.2	0.4	0.4	0.2	0.0	0.0	0.0
72.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
75°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
77.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
85°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)