

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: P1315815

Luminaire Tested: P3SQAS02R359827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315815
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: P3SQAS02R359827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

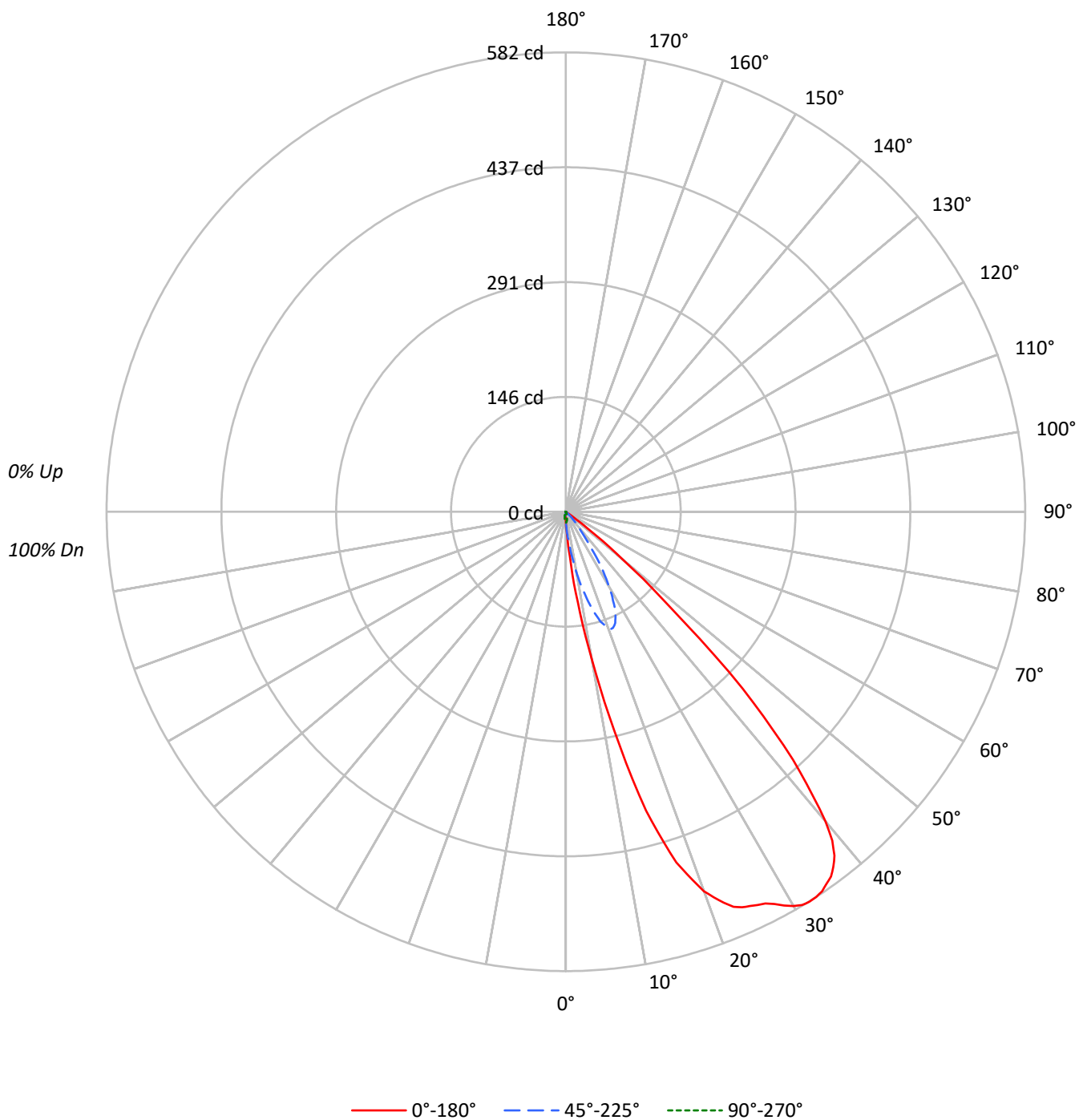
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	2256	2256	2256	2256	2256
5°	9820	6085	2092	743	519
10°	33035	13728	1574	175	52
15°	69911	22519	981	0	0
20°	93727	28774	458	0	0
25°	104762	28257	95	0	0
30°	114686	21656	0	0	0
35°	121038	11795	0	0	0
40°	115063	5306	0	0	0
45°	77233	2338	0	0	0
50°	25802	214	0	0	0
55°	1381	0	0	0	0
60°	0	0	69	0	0
65°	0	0	122	0	0
70°	0	101	151	0	0
75°	0	133	200	0	0
80°	0	198	298	0	0
85°	0	395	593	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	1.6
10°-20°	24.1	13.9
20°-30°	53.0	30.4
30°-40°	61.3	35.2
40°-50°	30.2	17.4
50°-60°	2.2	1.3
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	79.9	45.9
0°-40°	141.2	81.1
0°-60°	173.7	99.8
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	57	35	12	4	3	10
15°	392	126	6	0	0	111
25°	551	149	0	0	0	255
35°	576	56	0	0	0	355
45°	317	10	0	0	0	233
55°	5	0	0	0	0	19
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	26.1	26.7	26.4	26.4	26.2	25.4	23.9	23.4	21.6	17.1	13.3
5°	56.8	56.9	56.4	53.9	51.8	49.8	45.5	43.5	35.2	20.9	12.1
7.5°	115.2	112.7	109.6	106.1	98.4	91.5	82.3	72.7	54.4	24.2	10.8
10°	188.9	185.4	182.8	174.5	160.7	146.4	129.0	113.2	78.5	26.6	9.0
12.5°	284.0	282.0	272.6	256.0	235.5	215.0	184.6	159.5	102.8	27.1	7.3
15°	392.1	388.8	374.3	350.7	323.0	290.7	250.0	207.8	126.3	25.6	5.5
17.5°	466.0	464.1	451.7	426.9	395.1	353.9	305.8	253.1	145.7	22.4	3.8
20°	511.4	508.8	497.2	476.2	442.9	399.9	342.8	282.0	157.0	18.4	2.5
21°	523.2	520.6	511.3	489.5	457.7	411.5	352.9	289.0	159.2	16.6	2.0
22°	534.3	531.7	521.9	502.6	471.1	423.0	360.9	294.3	158.9	15.1	1.5
23°	543.6	540.8	531.2	513.4	481.7	433.1	366.9	297.0	156.7	13.6	1.2
24°	548.5	546.8	538.2	521.4	490.4	440.2	371.0	298.0	154.0	12.1	0.8
25°	551.3	549.3	540.8	525.4	496.0	445.9	373.7	297.1	148.7	10.8	0.5
26°	554.3	551.3	541.6	526.7	499.0	448.5	373.8	295.0	143.1	9.6	0.2
27°	556.9	554.1	544.1	527.7	499.5	447.7	372.5	290.8	136.3	8.5	0.2
28°	562.7	559.6	548.1	529.9	500.0	445.5	368.3	285.2	127.3	7.5	0.0
29°	570.4	567.0	553.9	535.0	501.1	443.2	362.7	277.7	119.5	6.6	0.0
30°	576.7	573.7	561.6	541.5	504.1	441.1	356.1	267.6	108.9	5.6	0.0
31°	581.3	578.3	567.2	547.0	506.8	439.1	347.8	257.1	99.3	5.0	0.0
32°	582.5	580.0	569.5	549.3	506.8	436.1	340.1	245.3	89.8	4.1	0.0
33°	582.0	579.5	568.9	547.6	502.3	428.9	330.8	231.2	79.0	3.7	0.0
34°	580.2	577.2	565.9	542.3	493.5	416.8	317.4	217.1	67.7	3.0	0.0
35°	575.7	573.0	560.7	532.3	479.9	398.4	299.5	200.9	56.1	2.5	0.0
36°	571.4	567.4	552.3	520.1	462.0	379.5	278.0	182.1	46.1	2.0	0.0
37°	563.4	557.7	542.5	502.3	436.6	352.7	253.6	161.5	38.7	1.5	0.0
38°	552.8	545.1	525.7	481.7	411.0	327.7	230.7	142.9	32.5	1.0	0.0
39°	536.3	527.4	501.0	453.5	381.5	298.6	204.5	123.2	27.7	0.7	0.0
40°	511.8	503.3	474.1	420.0	352.1	266.6	177.6	100.9	23.6	0.3	0.0
42.5°	426.1	414.5	380.6	326.8	260.3	191.7	117.5	56.1	15.6	0.0	0.0
45°	317.1	306.8	273.6	224.6	173.5	117.4	62.9	33.0	9.6	0.0	0.0
47.5°	179.1	177.9	156.4	129.0	96.8	62.4	31.9	19.9	4.1	0.0	0.0
50°	96.3	90.3	77.9	59.1	40.3	27.2	17.3	11.0	0.8	0.0	0.0
52.5°	35.2	34.0	28.6	23.7	18.3	12.4	8.8	4.8	0.0	0.0	0.0
55°	4.6	4.3	4.5	4.8	5.0	4.3	2.8	1.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3



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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	0.2	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
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°	13.1	13.1	13.1	13.1
2.5°	10.1	7.8	6.6	6.5
5°	7.0	4.3	3.2	3.0
7.5°	4.8	2.2	1.5	1.3
10°	2.8	1.0	0.5	0.3
12.5°	1.7	0.2	0.0	0.0
15°	0.5	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°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)