

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: P1312929

Luminaire Tested: P3SQAS02R359730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312929
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: P3SQAS02R359730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

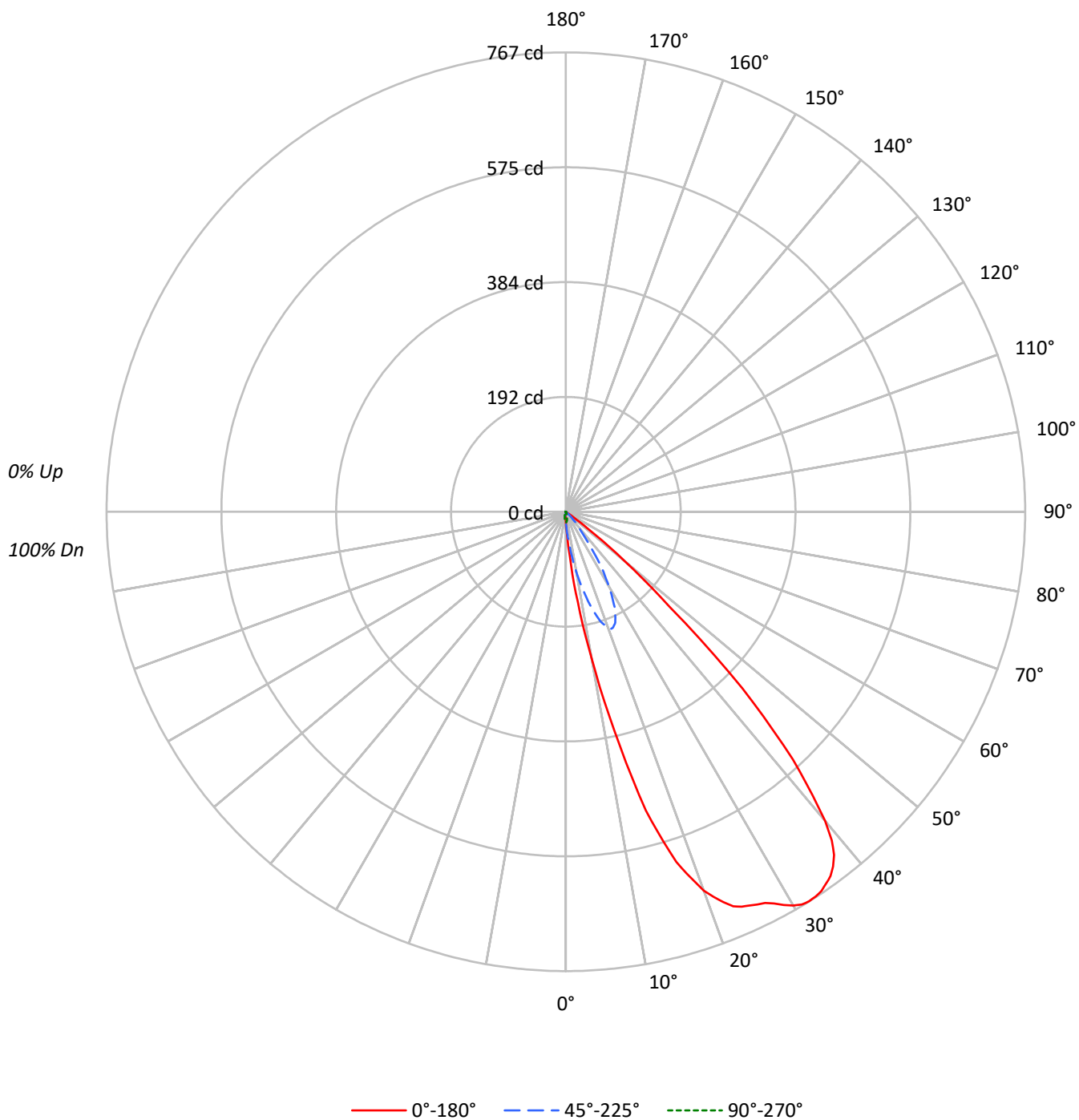
Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	92		
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	55	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°	2979	2979	2979	2979	2979
5°	12914	8004	2749	985	674
10°	43475	18065	2064	227	70
15°	92002	29651	1284	0	0
20°	123363	37883	605	0	0
25°	137864	37188	133	0	0
30°	150939	28497	0	0	0
35°	159282	15516	0	0	0
40°	151417	6969	0	0	0
45°	101637	3093	0	0	0
50°	33947	295	0	0	0
55°	1832	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	1.6
10°-20°	31.8	13.9
20°-30°	69.7	30.4
30°-40°	80.6	35.2
40°-50°	39.8	17.4
50°-60°	2.9	1.3
60°-70°	0.1	0.0
70°-80°	0.2	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°	105.2	45.9
0°-40°	185.8	81.2
0°-60°	228.6	99.8
0°-90°	229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	75	46	16	6	4	13
15°	516	166	7	0	0	146
25°	726	196	1	0	0	335
35°	758	74	0	0	0	468
45°	417	13	0	0	0	306
55°	6	0	0	0	0	25
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°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
2.5°	34.3	35.2	34.7	34.7	34.5	33.4	31.5	30.8	28.4	22.5	17.5
5°	74.7	74.9	74.3	71.0	68.2	65.5	59.9	57.2	46.3	27.5	15.9
7.5°	151.6	148.3	144.2	139.6	129.6	120.4	108.4	95.7	71.7	31.9	14.2
10°	248.6	244.0	240.5	229.6	211.5	192.7	169.7	149.0	103.3	35.0	11.8
12.5°	373.8	371.2	358.7	336.9	310.0	282.9	242.9	209.9	135.2	35.6	9.6
15°	516.0	511.6	492.6	461.6	425.1	382.5	329.0	273.5	166.3	33.6	7.2
17.5°	613.2	610.8	594.4	561.9	519.9	465.8	402.4	333.2	191.8	29.5	5.0
20°	673.1	669.6	654.3	626.8	582.9	526.3	451.1	371.2	206.7	24.2	3.3
21°	688.6	685.1	672.9	644.3	602.3	541.6	464.5	380.3	209.5	21.8	2.6
22°	703.2	699.7	686.9	661.5	620.0	556.7	474.9	387.3	209.1	19.9	2.0
23°	715.5	711.8	699.1	675.7	634.0	570.0	482.8	390.8	206.2	17.9	1.5
24°	721.8	719.6	708.3	686.2	645.3	579.4	488.3	392.1	202.7	15.9	1.1
25°	725.5	722.9	711.8	691.4	652.8	586.8	491.8	391.1	195.7	14.2	0.7
26°	729.5	725.5	712.9	693.2	656.7	590.3	492.0	388.2	188.3	12.7	0.2
27°	733.0	729.2	716.1	694.5	657.4	589.2	490.2	382.8	179.4	11.1	0.2
28°	740.6	736.4	721.4	697.3	658.0	586.4	484.8	375.3	167.6	9.8	0.0
29°	750.6	746.3	729.0	704.1	659.5	583.3	477.3	365.5	157.3	8.7	0.0
30°	759.0	755.0	739.1	712.6	663.5	580.5	468.6	352.2	143.3	7.4	0.0
31°	765.1	761.1	746.5	719.8	667.0	577.8	457.7	338.4	130.6	6.6	0.0
32°	766.6	763.3	749.6	722.9	667.0	573.9	447.6	322.9	118.2	5.5	0.0
33°	765.9	762.7	748.7	720.7	661.1	564.5	435.4	304.3	104.0	4.8	0.0
34°	763.5	759.6	744.7	713.7	649.5	548.6	417.7	285.8	89.1	3.9	0.0
35°	757.6	754.1	738.0	700.6	631.6	524.3	394.1	264.3	73.8	3.3	0.0
36°	752.0	746.7	726.8	684.5	608.0	499.4	365.9	239.7	60.7	2.6	0.0
37°	741.5	734.0	713.9	661.1	574.6	464.2	333.8	212.6	50.9	2.0	0.0
38°	727.5	717.4	691.9	634.0	540.9	431.3	303.7	188.1	42.8	1.3	0.0
39°	705.9	694.1	659.3	596.8	502.0	393.0	269.1	162.1	36.5	0.9	0.0
40°	673.5	662.4	623.9	552.7	463.4	350.9	233.8	132.8	31.0	0.4	0.0
42.5°	560.8	545.5	500.9	430.2	342.6	252.3	154.7	73.8	20.5	0.0	0.0
45°	417.3	403.7	360.0	295.6	228.3	154.5	82.8	43.5	12.7	0.0	0.0
47.5°	235.7	234.2	205.8	169.7	127.4	82.1	41.9	26.2	5.5	0.0	0.0
50°	126.7	118.8	102.5	77.8	53.1	35.8	22.7	14.4	1.1	0.0	0.0
52.5°	46.3	44.8	37.6	31.2	24.0	16.4	11.6	6.3	0.0	0.0	0.0
55°	6.1	5.7	5.9	6.3	6.6	5.7	3.7	1.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	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	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4



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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	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
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°	17.3	17.3	17.3	17.3
2.5°	13.3	10.3	8.7	8.5
5°	9.2	5.7	4.2	3.9
7.5°	6.3	2.8	2.0	1.7
10°	3.7	1.3	0.7	0.4
12.5°	2.2	0.2	0.0	0.0
15°	0.7	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)