

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: P1308661

Luminaire Tested: P3SQAS02R409035DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308661
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: P3SQAS02R409035DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

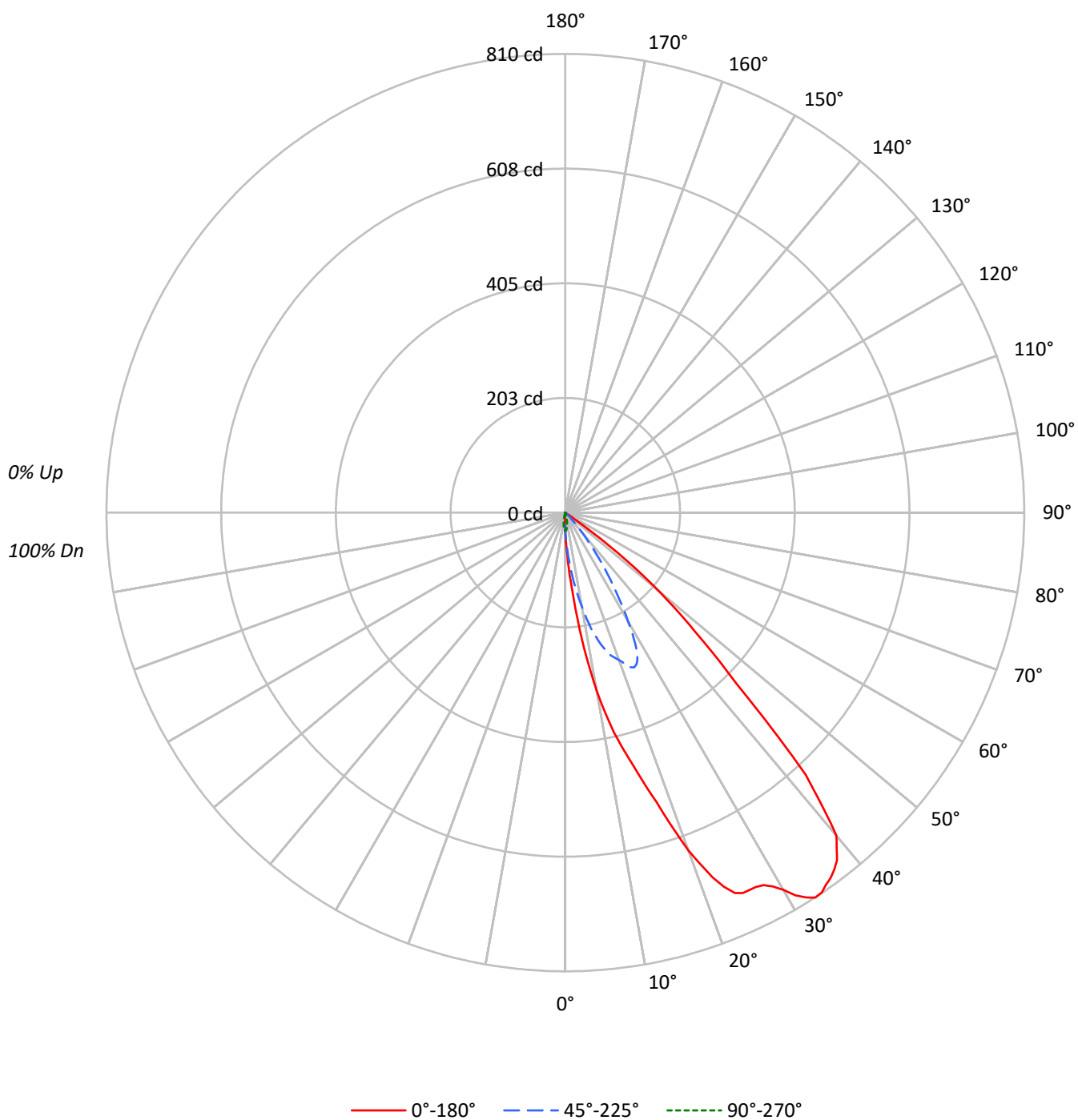
Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

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	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	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°	5477	5477	5477	5477	5477
5°	23252	15853	4806	864	432
10°	55891	29485	2973	87	0
15°	82267	42827	1248	0	0
20°	116288	50767	458	0	0
25°	140848	56362	0	0	0
30°	152928	44088	0	0	0
35°	168638	25797	0	0	0
40°	167379	10477	0	0	0
45°	103659	3044	0	0	0
50°	57712	80	0	0	0
55°	5645	0	0	0	0
60°	0	0	103	0	0
65°	0	0	122	0	0
70°	0	151	252	0	0
75°	0	200	333	0	0
80°	0	298	496	0	0
85°	0	593	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 104146 cd/sqm

TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	2.2
10°-20°	35.1	12.9
20°-30°	80.0	29.4
30°-40°	94.5	34.7
40°-50°	50.5	18.6
50°-60°	5.5	2.0
60°-70°	0.1	0.0
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°	121.0	44.5
0°-40°	215.5	79.2
0°-60°	271.5	99.8
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	134	92	28	5	2	19
15°	461	240	7	0	0	137
25°	741	297	0	0	0	337
35°	802	123	0	0	0	495
45°	426	12	0	0	0	351
55°	19	0	0	0	0	53
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	

TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
2.5°	74.1	72.6	73.6	71.6	71.6	67.1	67.4	63.6	58.1	44.3	31.6
5°	134.5	140.5	135.8	129.5	126.0	121.5	115.5	109.2	91.7	55.4	27.8
7.5°	225.2	224.7	216.7	209.9	202.2	190.1	178.9	163.6	130.5	63.4	23.0
10°	319.6	317.9	308.9	303.1	288.3	271.0	248.0	223.4	168.6	66.1	17.0
12.5°	398.3	396.0	388.5	378.8	362.5	340.7	315.9	283.6	208.7	63.1	11.0
15°	461.4	460.9	453.6	440.4	423.3	402.0	374.0	335.2	240.2	55.4	7.0
17.5°	536.3	539.3	526.3	512.0	487.5	457.7	423.3	379.0	263.5	45.8	4.5
20°	634.5	630.2	618.2	597.4	573.9	538.1	489.5	426.1	277.0	35.6	2.5
21°	664.6	662.8	650.3	631.0	604.9	568.6	518.5	450.1	283.3	31.8	2.0
22°	695.1	692.1	682.4	663.6	639.0	597.9	542.8	474.9	291.3	27.8	1.3
23°	717.9	716.7	709.2	690.6	665.3	625.5	569.1	498.0	296.8	24.0	0.8
24°	735.5	734.0	726.4	712.4	690.6	649.0	595.7	522.8	299.1	20.8	0.3
25°	741.2	742.0	737.5	726.4	708.2	666.6	615.5	542.3	296.6	17.8	0.0
26°	741.5	743.7	740.5	734.2	719.2	680.6	634.0	553.8	290.1	15.0	0.0
27°	741.5	743.7	740.5	735.7	720.9	688.6	644.0	555.1	280.1	12.8	0.0
28°	745.0	746.2	742.0	736.2	720.2	691.1	646.8	547.6	264.0	11.0	0.0
29°	754.7	753.5	746.5	738.7	719.4	691.1	638.5	533.3	244.0	9.3	0.0
30°	769.0	769.0	758.0	745.7	722.9	690.9	625.2	507.5	221.7	7.5	0.0
31°	788.3	786.6	775.5	757.3	730.4	690.9	605.7	478.9	201.1	6.5	0.0
32°	801.3	800.3	789.8	768.3	742.7	690.9	584.7	447.4	178.9	5.3	0.0
33°	810.4	808.4	796.3	774.0	750.2	687.4	561.1	413.6	158.8	4.3	0.0
34°	809.1	808.6	796.1	773.0	748.7	672.8	533.8	376.0	140.3	3.5	0.0
35°	802.1	802.1	786.8	763.0	738.0	651.5	506.8	343.9	122.7	2.5	0.0
36°	796.8	794.8	777.5	751.0	719.9	618.0	466.7	311.6	104.0	2.0	0.0
37°	789.1	785.3	766.0	737.5	694.4	581.7	424.6	282.8	87.9	1.3	0.0
38°	779.0	773.3	749.7	721.7	666.3	539.8	381.8	250.5	73.1	0.8	0.0
39°	760.8	756.0	731.7	701.4	632.8	495.7	340.2	220.2	59.1	0.3	0.0
40°	744.5	736.2	708.7	673.8	593.4	445.9	298.8	190.4	46.6	0.0	0.0
42.5°	627.7	619.0	612.7	578.1	472.7	320.1	208.7	122.0	24.3	0.0	0.0
45°	425.6	427.6	408.1	384.8	311.9	208.7	130.5	67.9	12.5	0.0	0.0
47.5°	310.4	305.1	278.6	234.5	182.9	122.0	68.1	32.8	5.0	0.0	0.0
50°	215.4	205.4	181.4	148.3	99.4	58.1	30.1	15.3	0.3	0.0	0.0
52.5°	117.0	110.0	93.2	67.6	41.3	22.3	12.0	6.3	0.0	0.0	0.0
55°	18.8	13.0	13.5	11.5	9.0	6.5	3.8	0.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5



TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

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	0.3	0.3	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	31.8	31.8	31.8	31.8
2.5°	21.3	14.5	11.0	9.5
5°	12.3	5.0	2.8	2.5
7.5°	6.0	1.8	1.0	1.0
10°	2.5	0.5	0.0	0.0
12.5°	0.8	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°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



TEST NUMBER: P1308661

CATALOG NUMBER: P3SQAS02R409035DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)