

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: P1306408

Luminaire Tested: P3SQAS02R359027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306408
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: P3SQAS02R359027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

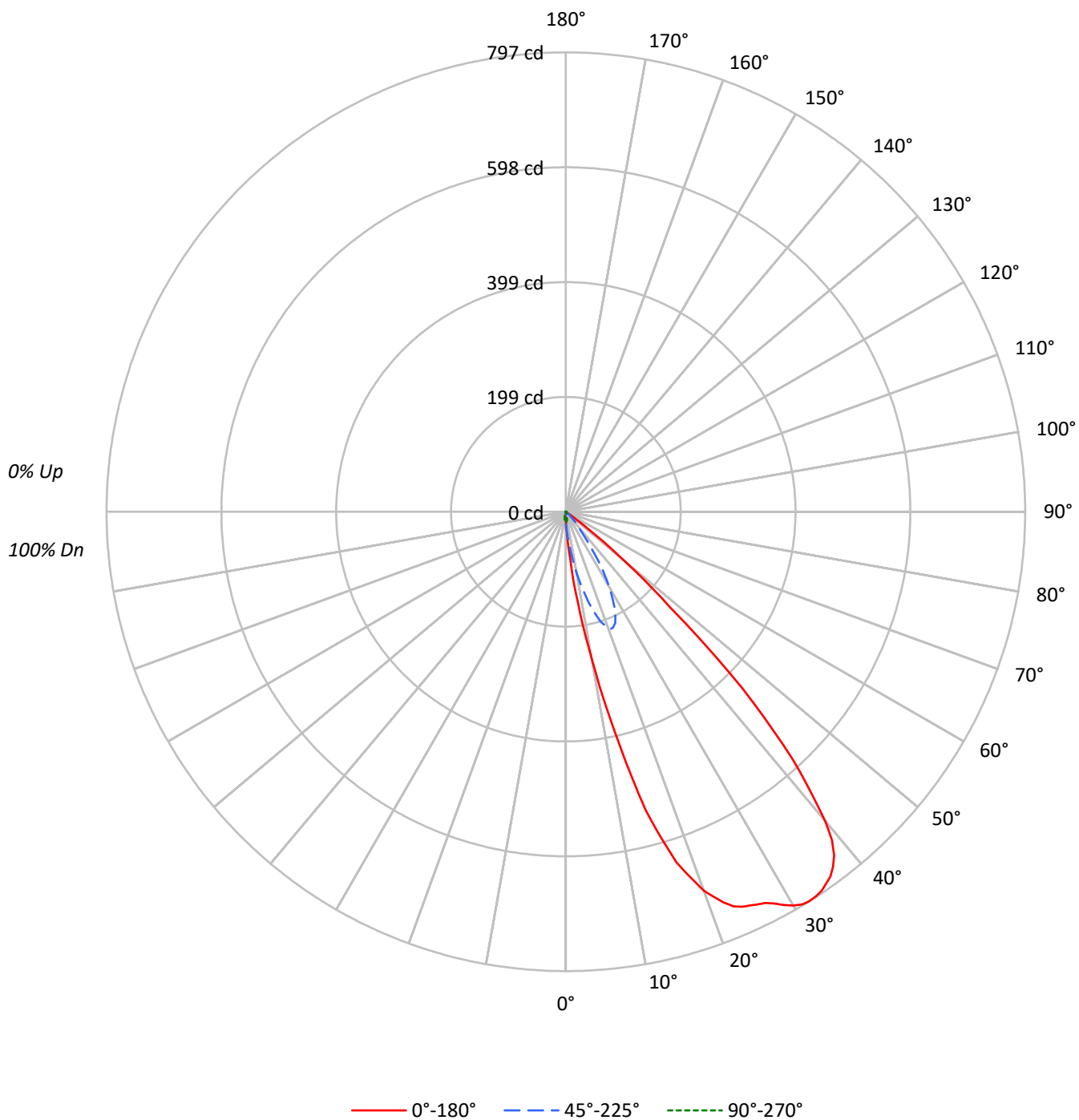
Lumens per Lamp: N/A
Luminaire Lumens: 238.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 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	113	109	106	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°	3083	3083	3083	3083	3083
5°	13433	8316	2870	1020	709
10°	45189	18782	2151	245	87
15°	95621	30810	1337	0	0
20°	128201	39368	623	0	0
25°	143280	38651	133	0	0
30°	156865	29611	0	0	0
35°	165547	16126	0	0	0
40°	157374	7239	0	0	0
45°	105632	3215	0	0	0
50°	35286	295	0	0	0
55°	1922	0	0	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105632 cd/sqm

TEST NUMBER: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	1.6
10°-20°	33.0	13.9
20°-30°	72.5	30.4
30°-40°	83.8	35.2
40°-50°	41.4	17.4
50°-60°	3.1	1.3
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°	109.3	45.9
0°-40°	193.1	81.1
0°-60°	237.6	99.8
0°-90°	238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	238.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	78	48	17	6	4	13
15°	536	173	8	0	0	151
25°	754	203	1	0	0	349
35°	787	77	0	0	0	486
45°	434	13	0	0	0	318
55°	6	0	0	0	0	26
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: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2.5°	35.6	36.6	36.1	36.1	35.9	34.7	32.7	32.0	29.5	23.4	18.2
5°	77.7	77.9	77.2	73.8	70.8	68.1	62.2	59.5	48.1	28.6	16.6
7.5°	157.6	154.2	149.9	145.1	134.6	125.1	112.6	99.4	74.5	33.1	14.8
10°	258.4	253.6	250.0	238.6	219.8	200.3	176.4	154.8	107.4	36.3	12.3
12.5°	388.5	385.8	372.8	350.1	322.2	294.0	252.5	218.2	140.5	37.0	10.0
15°	536.3	531.8	512.0	479.8	441.8	397.6	341.9	284.3	172.8	35.0	7.5
17.5°	637.3	634.8	617.8	584.0	540.4	484.1	418.2	346.3	199.4	30.7	5.2
20°	699.5	695.9	680.0	651.4	605.8	547.0	468.9	385.8	214.8	25.2	3.4
21°	715.7	712.0	699.3	669.6	626.0	562.9	482.7	395.3	217.7	22.7	2.7
22°	730.9	727.2	713.9	687.5	644.4	578.5	493.6	402.6	217.3	20.7	2.0
23°	743.6	739.7	726.6	702.3	658.9	592.4	501.8	406.2	214.3	18.6	1.6
24°	750.2	747.9	736.1	713.2	670.7	602.1	507.5	407.6	210.7	16.6	1.1
25°	754.0	751.3	739.7	718.6	678.4	609.9	511.1	406.4	203.4	14.8	0.7
26°	758.1	754.0	740.9	720.4	682.5	613.5	511.3	403.5	195.7	13.2	0.2
27°	761.8	757.9	744.3	721.8	683.2	612.4	509.5	397.8	186.4	11.6	0.2
28°	769.7	765.4	749.7	724.7	683.9	609.4	503.8	390.1	174.1	10.2	0.0
29°	780.2	775.6	757.7	731.8	685.5	606.2	496.1	379.9	163.5	9.1	0.0
30°	788.8	784.7	768.1	740.6	689.6	603.3	487.0	366.0	148.9	7.7	0.0
31°	795.1	791.0	775.8	748.1	693.2	600.6	475.7	351.7	135.8	6.8	0.0
32°	796.7	793.3	779.0	751.3	693.2	596.5	465.2	335.6	122.8	5.7	0.0
33°	796.0	792.6	778.1	749.0	687.1	586.7	452.5	316.3	108.1	5.0	0.0
34°	793.5	789.5	774.0	741.8	675.0	570.1	434.1	297.0	92.6	4.1	0.0
35°	787.4	783.8	767.0	728.2	656.4	544.9	409.6	274.7	76.7	3.4	0.0
36°	781.5	776.1	755.4	711.4	631.9	519.0	380.3	249.1	63.1	2.7	0.0
37°	770.6	762.9	742.0	687.1	597.1	482.5	346.9	220.9	52.9	2.0	0.0
38°	756.1	745.6	719.1	658.9	562.2	448.2	315.6	195.5	44.5	1.4	0.0
39°	733.6	721.3	685.2	620.3	521.8	408.5	279.7	168.5	37.9	0.9	0.0
40°	700.0	688.4	648.5	574.4	481.6	364.6	242.9	138.0	32.2	0.5	0.0
42.5°	582.8	566.9	520.6	447.1	356.0	262.2	160.8	76.7	21.3	0.0	0.0
45°	433.7	419.6	374.2	307.2	237.3	160.5	86.1	45.2	13.2	0.0	0.0
47.5°	245.0	243.4	213.9	176.4	132.4	85.4	43.6	27.2	5.7	0.0	0.0
50°	131.7	123.5	106.5	80.8	55.2	37.2	23.6	15.0	1.1	0.0	0.0
52.5°	48.1	46.5	39.1	32.5	25.0	17.0	12.0	6.6	0.0	0.0	0.0
55°	6.4	5.9	6.1	6.6	6.8	5.9	3.9	1.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.5	0.5	0.5	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	0.5
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	0.2	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5



TEST NUMBER: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 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	0.0	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	17.9	17.9	17.9	17.9
2.5°	13.9	10.7	9.1	8.9
5°	9.5	5.9	4.3	4.1
7.5°	6.6	3.0	2.0	1.8
10°	3.9	1.4	0.7	0.5
12.5°	2.3	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



TEST NUMBER: P1306408

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCA301MB

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)