

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: P1305436

Luminaire Tested: P3SQAS02R359024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305436
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: P3SQAS02R359024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

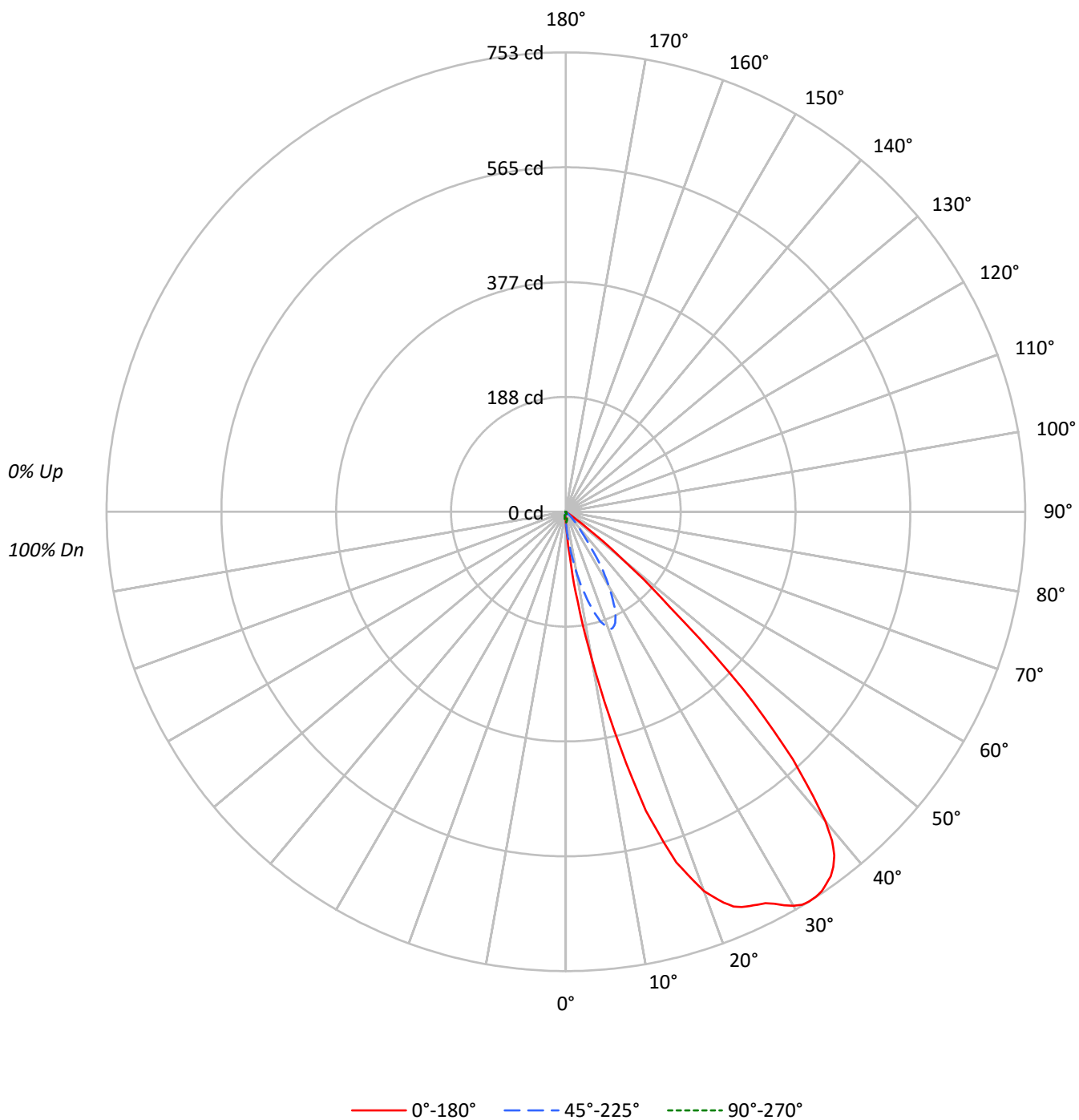
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1305436

CATALOG NUMBER: P3SQAS02R359024DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1305436

CATALOG NUMBER: P3SQAS02R359024DE010 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	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°	2928	2928	2928	2928	2928
5°	12689	7866	2714	968	674
10°	42723	17750	2029	227	70
15°	90397	29116	1266	0	0
20°	121200	37223	586	0	0
25°	135470	36542	114	0	0
30°	148294	28000	0	0	0
35°	156506	15264	0	0	0
40°	148786	6857	0	0	0
45°	99859	3020	0	0	0
50°	33357	295	0	0	0
55°	1802	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: 99859 cd/sqm

TEST NUMBER: P1305436

CATALOG NUMBER: P3SQAS02R359024DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	1.6
10°-20°	31.2	13.9
20°-30°	68.5	30.4
30°-40°	79.2	35.2
40°-50°	39.1	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°	103.4	45.9
0°-40°	182.6	81.2
0°-60°	224.6	99.8
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	73	46	16	6	4	13
15°	507	163	7	0	0	143
25°	713	192	1	0	0	330
35°	744	73	0	0	0	460
45°	410	12	0	0	0	301
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	

TEST NUMBER: P1305436

CATALOG NUMBER: P3SQAS02R359024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	33.7	34.6	34.1	34.1	33.9	32.8	30.9	30.3	27.9	22.1	17.2
5°	73.4	73.6	73.0	69.8	67.0	64.4	58.8	56.2	45.5	27.0	15.7
7.5°	149.0	145.7	141.7	137.2	127.3	118.3	106.5	94.0	70.4	31.3	14.0
10°	244.3	239.8	236.3	225.6	207.8	189.3	166.8	146.4	101.5	34.3	11.6
12.5°	367.3	364.7	352.5	331.0	304.6	278.0	238.7	206.3	132.9	35.0	9.4
15°	507.0	502.7	484.0	453.6	417.7	375.9	323.3	268.7	163.3	33.1	7.1
17.5°	602.5	600.2	584.1	552.1	510.9	457.6	395.4	327.3	188.5	29.0	4.9
20°	661.3	657.9	642.9	615.8	572.7	517.1	443.3	364.7	203.1	23.8	3.2
21°	676.6	673.1	661.1	633.0	591.8	532.1	456.3	373.7	205.8	21.5	2.6
22°	691.0	687.5	674.9	650.0	609.2	546.9	466.6	380.6	205.4	19.5	1.9
23°	703.0	699.3	686.9	663.9	622.9	560.0	474.4	384.0	202.6	17.6	1.5
24°	709.2	707.1	695.9	674.2	634.1	569.3	479.7	385.3	199.2	15.7	1.1
25°	712.9	710.3	699.3	679.4	641.4	576.5	483.2	384.2	192.3	14.0	0.6
26°	716.7	712.9	700.4	681.1	645.2	580.0	483.4	381.4	185.0	12.4	0.2
27°	720.2	716.5	703.6	682.4	645.9	578.9	481.7	376.1	176.2	10.9	0.2
28°	727.7	723.6	708.8	685.2	646.5	576.1	476.3	368.8	164.6	9.7	0.0
29°	737.5	733.2	716.3	691.8	648.0	573.1	469.0	359.1	154.5	8.6	0.0
30°	745.7	741.8	726.2	700.2	651.9	570.3	460.4	346.0	140.8	7.3	0.0
31°	751.7	747.8	733.5	707.3	655.3	567.7	449.7	332.5	128.4	6.4	0.0
32°	753.2	750.0	736.5	710.3	655.3	563.9	439.8	317.3	116.1	5.4	0.0
33°	752.6	749.3	735.6	708.1	649.5	554.7	427.8	299.0	102.2	4.7	0.0
34°	750.2	746.3	731.7	701.3	638.2	539.0	410.4	280.8	87.6	3.9	0.0
35°	744.4	741.0	725.1	688.4	620.6	515.2	387.2	259.7	72.6	3.2	0.0
36°	738.8	733.7	714.1	672.5	597.4	490.7	359.5	235.5	59.7	2.6	0.0
37°	728.5	721.2	701.5	649.5	564.5	456.1	328.0	208.9	50.0	1.9	0.0
38°	714.8	704.9	679.8	622.9	531.5	423.7	298.4	184.8	42.1	1.3	0.0
39°	693.5	681.9	647.8	586.4	493.3	386.2	264.4	159.3	35.8	0.9	0.0
40°	661.8	650.8	613.0	543.1	455.3	344.7	229.7	130.5	30.5	0.4	0.0
42.5°	551.0	536.0	492.2	422.6	336.6	247.9	152.0	72.6	20.2	0.0	0.0
45°	410.0	396.7	353.7	290.4	224.3	151.8	81.4	42.7	12.4	0.0	0.0
47.5°	231.6	230.1	202.2	166.8	125.1	80.7	41.2	25.8	5.4	0.0	0.0
50°	124.5	116.8	100.7	76.4	52.2	35.2	22.3	14.2	1.1	0.0	0.0
52.5°	45.5	44.0	36.9	30.7	23.6	16.1	11.4	6.2	0.0	0.0	0.0
55°	6.0	5.6	5.8	6.2	6.4	5.6	3.6	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



TEST NUMBER: P1305436

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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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CATALOG NUMBER: P3SQAS02R359024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	17.0	17.0	17.0	17.0
2.5°	13.1	10.1	8.6	8.4
5°	9.0	5.6	4.1	3.9
7.5°	6.2	2.8	1.9	1.7
10°	3.6	1.3	0.6	0.4
12.5°	2.1	0.2	0.0	0.0
15°	0.6	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)