

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: P1305419

Luminaire Tested: P3SQAS02R309024DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309024DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

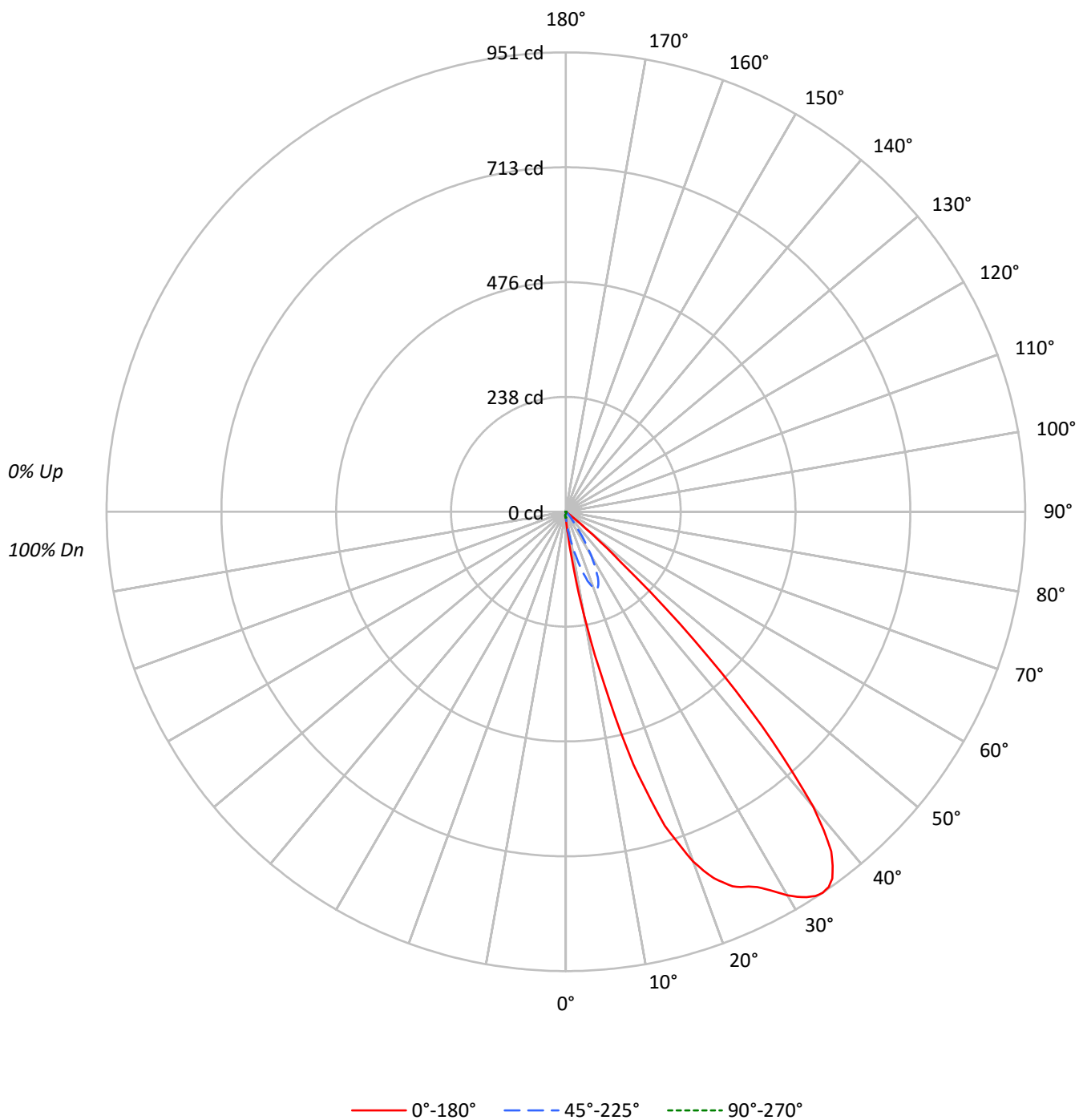
Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.42 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	77	73	70	68			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2101	2101	2101	2101	2101
5°	7659	4754	1936	778	553
10°	37879	11385	1504	157	0
15°	96638	21681	963	0	0
20°	141195	30845	385	0	0
25°	162910	30252	76	0	0
30°	182320	20762	0	0	0
35°	199396	8956	0	0	0
40°	178957	3485	0	0	0
45°	91384	1413	0	0	0
50°	14120	161	0	0	0
55°	841	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 91384 cd/sqm

TEST NUMBER: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	1.1
10°-20°	30.5	13.3
20°-30°	75.4	32.9
30°-40°	86.7	37.9
40°-50°	32.2	14.0
50°-60°	1.2	0.5
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°	108.5	47.4
0°-40°	195.2	85.2
0°-60°	228.5	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°	12	12	12	12	12	
5°	44	28	11	4	3	10
15°	542	122	5	0	0	156
25°	857	159	0	0	0	396
35°	948	43	0	0	0	575
45°	375	6	0	0	0	292
55°	3	0	0	0	0	10
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	21.7	21.9	21.9	21.3	21.1	20.8	20.2	18.3	15.3	12.2	9.9
5°	44.3	44.5	44.5	43.2	40.6	38.0	35.9	27.5	17.6	11.2	7.3
7.5°	104.4	104.7	100.1	95.0	84.7	79.3	69.4	42.3	20.0	10.1	4.7
10°	216.6	211.9	200.1	185.0	169.1	148.5	127.7	65.1	21.7	8.6	3.0
12.5°	362.1	357.6	342.3	320.9	289.7	249.3	209.7	91.5	21.9	6.9	1.7
15°	542.0	529.3	511.0	475.4	429.4	366.8	301.5	121.6	21.1	5.4	0.4
17.5°	681.5	669.9	646.6	605.0	547.8	478.4	398.2	150.2	18.7	3.4	0.0
20°	770.4	758.2	736.5	699.7	638.9	557.5	465.7	168.3	15.5	2.1	0.0
21°	795.8	784.0	762.7	726.2	665.6	584.3	482.2	172.1	14.0	1.7	0.0
22°	818.1	808.9	789.1	749.4	687.7	604.1	499.0	172.6	12.9	1.3	0.0
23°	833.8	827.2	807.4	770.9	709.4	620.2	508.0	170.0	11.6	0.9	0.0
24°	848.9	840.7	823.7	789.8	726.6	633.8	516.2	165.3	10.3	0.6	0.0
25°	857.3	847.8	834.7	802.9	740.8	642.3	521.1	159.2	9.0	0.4	0.0
26°	863.1	855.7	841.3	810.6	746.8	647.9	521.8	150.4	8.2	0.2	0.0
27°	871.9	864.6	850.6	817.5	749.4	647.1	517.9	140.3	7.1	0.0	0.0
28°	885.2	875.5	861.6	824.8	750.4	643.4	509.3	129.4	6.0	0.0	0.0
29°	900.4	890.6	875.3	834.5	750.7	636.1	495.8	117.3	5.4	0.0	0.0
30°	916.8	908.2	892.7	843.9	753.0	626.7	480.1	104.4	4.3	0.0	0.0
31°	929.7	921.9	905.4	852.5	755.0	618.5	460.8	91.5	3.7	0.0	0.0
32°	940.8	934.0	913.6	854.5	751.1	606.9	440.1	79.1	3.0	0.0	0.0
33°	948.6	940.0	916.1	849.5	739.9	587.8	417.1	67.3	2.4	0.0	0.0
34°	951.4	941.1	912.3	836.6	717.3	558.8	387.3	55.0	1.9	0.0	0.0
35°	948.4	935.7	898.3	814.5	686.8	524.2	351.4	42.6	1.5	0.0	0.0
36°	938.7	922.6	878.3	782.9	643.2	483.3	315.5	33.1	1.1	0.0	0.0
37°	917.9	900.0	844.1	741.2	600.0	436.5	274.6	25.8	0.6	0.0	0.0
38°	892.3	866.5	798.6	688.6	544.1	383.8	234.2	21.3	0.4	0.0	0.0
39°	848.7	820.3	744.4	627.9	489.3	333.7	194.9	18.5	0.2	0.0	0.0
40°	796.0	762.3	682.5	563.0	424.7	281.3	162.7	15.5	0.2	0.0	0.0
42.5°	600.4	571.9	486.1	383.0	259.6	165.9	90.3	10.1	0.0	0.0	0.0
45°	375.2	345.4	287.3	210.0	140.5	86.0	43.4	5.8	0.0	0.0	0.0
47.5°	153.2	140.5	115.6	89.0	63.6	40.4	18.1	2.6	0.0	0.0	0.0
50°	52.7	46.8	39.3	28.8	20.4	14.0	9.5	0.6	0.0	0.0	0.0
52.5°	15.3	15.5	13.5	11.6	9.0	6.4	4.7	0.0	0.0	0.0	0.0
55°	2.8	2.4	2.8	2.6	2.8	2.4	1.7	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2



TEST NUMBER: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
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: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.2	12.2	12.2
2.5°	8.0	7.1	6.7
5°	4.5	3.4	3.2
7.5°	2.4	1.5	1.3
10°	0.9	0.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



TEST NUMBER: P1305419

CATALOG NUMBER: P3SQAS02R309024DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)