

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: P1313884

Luminaire Tested: P3SQAS02R309735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313884
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: P3SQAS02R309735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

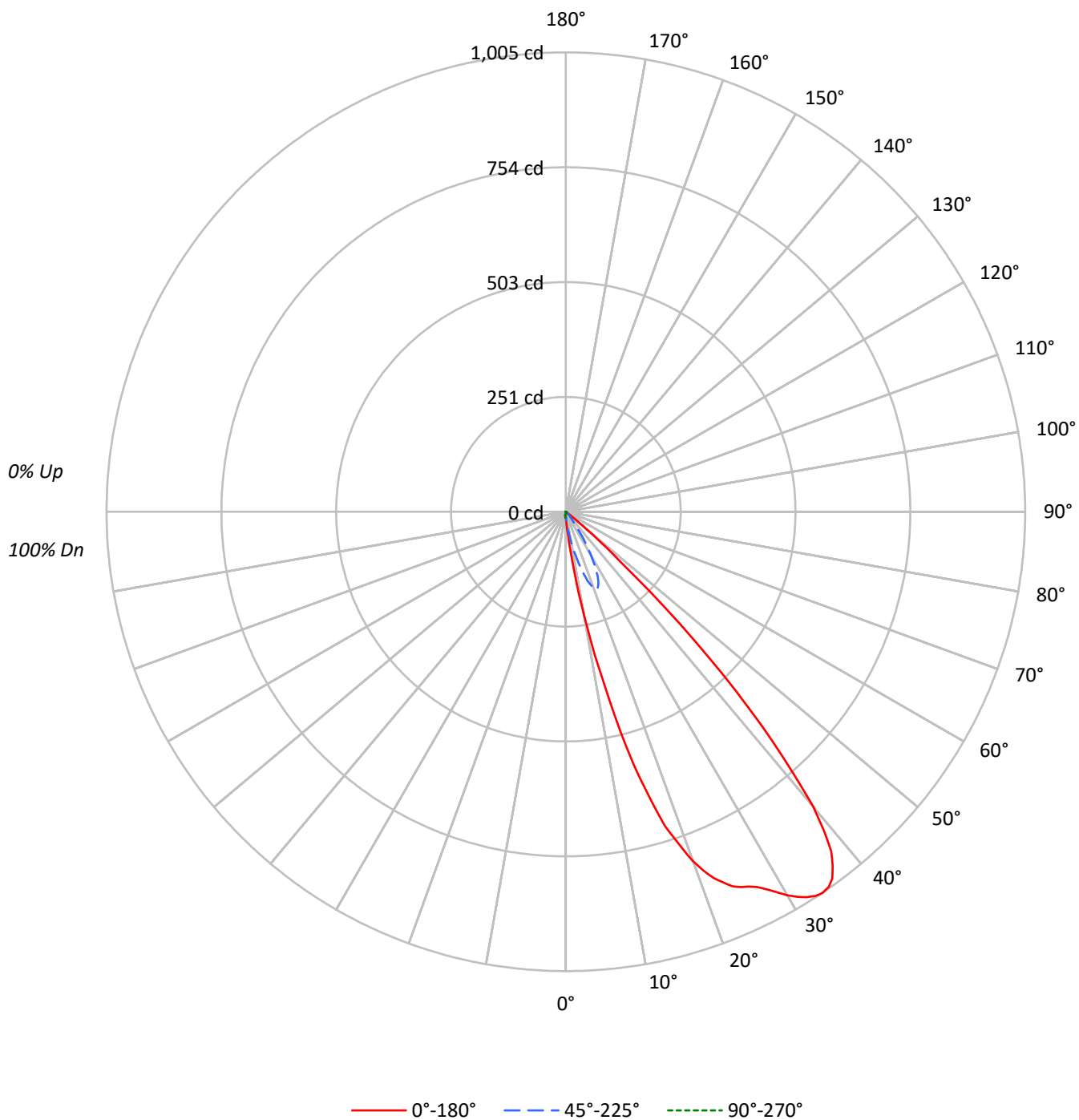
Lumens per Lamp: N/A
Luminaire Lumens: 242.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 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	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	76	73	69	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°	2222	2222	2222	2222	2222
5°	8091	5031	2040	830	588
10°	40030	12032	1591	157	0
15°	102129	22911	1016	0	0
20°	149223	32586	422	0	0
25°	172145	31981	95	0	0
30°	192661	21955	0	0	0
35°	210708	9461	0	0	0
40°	189119	3687	0	0	0
45°	96571	1486	0	0	0
50°	14897	188	0	0	0
55°	901	0	60	0	0
60°	0	0	69	0	0
65°	0	0	204	0	0
70°	0	101	252	0	0
75°	0	133	466	0	0
80°	0	198	694	0	0
85°	0	395	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96571 cd/sqm

TEST NUMBER: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	1.1
10°-20°	32.2	13.3
20°-30°	79.7	32.9
30°-40°	91.6	37.9
40°-50°	34.0	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°	114.6	47.4
0°-40°	206.3	85.2
0°-60°	241.5	99.8
0°-90°	242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	242.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	47	29	12	5	3	10
15°	573	128	6	0	0	165
25°	906	168	0	0	0	419
35°	1002	45	0	0	0	608
45°	396	6	0	0	0	309
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: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
2.5°	22.9	23.2	23.2	22.5	22.3	22.0	21.3	19.3	16.1	12.9	10.4
5°	46.8	47.0	47.0	45.6	42.9	40.2	37.9	29.1	18.6	11.8	7.7
7.5°	110.4	110.6	105.8	100.4	89.5	83.8	73.4	44.7	21.1	10.7	5.0
10°	228.9	223.9	211.4	195.5	178.7	156.9	134.9	68.8	22.9	9.1	3.2
12.5°	382.7	377.9	361.8	339.1	306.1	263.4	221.7	96.7	23.2	7.3	1.8
15°	572.8	559.4	540.1	502.4	453.8	387.7	318.6	128.5	22.3	5.7	0.5
17.5°	720.1	707.9	683.4	639.3	578.9	505.5	420.8	158.7	19.8	3.6	0.0
20°	814.2	801.2	778.3	739.4	675.2	589.1	492.1	177.8	16.4	2.3	0.0
21°	841.0	828.5	806.0	767.4	703.3	617.5	509.6	181.9	14.8	1.8	0.0
22°	864.6	854.8	833.9	791.9	726.7	638.4	527.3	182.4	13.6	1.4	0.0
23°	881.2	874.1	853.2	814.6	749.7	655.4	536.9	179.6	12.3	0.9	0.0
24°	897.1	888.4	870.5	834.6	767.8	669.7	545.5	174.6	10.9	0.7	0.0
25°	905.9	895.9	882.1	848.5	782.8	678.8	550.7	168.3	9.5	0.5	0.0
26°	912.0	904.3	889.1	856.6	789.2	684.7	551.4	159.0	8.6	0.2	0.0
27°	921.4	913.6	898.9	863.9	791.9	683.8	547.3	148.3	7.5	0.0	0.0
28°	935.4	925.2	910.5	871.6	793.0	679.9	538.2	136.7	6.4	0.0	0.0
29°	951.6	941.1	925.0	881.8	793.3	672.2	523.9	124.0	5.7	0.0	0.0
30°	968.8	959.7	943.4	891.8	795.8	662.2	507.3	110.4	4.5	0.0	0.0
31°	982.5	974.3	956.8	900.9	797.8	653.6	486.9	96.7	3.9	0.0	0.0
32°	994.3	987.0	965.4	903.0	793.7	641.3	465.1	83.6	3.2	0.0	0.0
33°	1002.4	993.4	968.1	897.7	781.9	621.1	440.8	71.1	2.5	0.0	0.0
34°	1005.4	994.5	964.1	884.1	758.1	590.5	409.2	58.1	2.0	0.0	0.0
35°	1002.2	988.8	949.3	860.7	725.8	553.9	371.3	45.0	1.6	0.0	0.0
36°	992.0	975.0	928.2	827.3	679.7	510.8	333.4	35.0	1.1	0.0	0.0
37°	970.0	951.1	892.1	783.3	634.1	461.2	290.2	27.3	0.7	0.0	0.0
38°	942.9	915.7	843.9	727.6	575.0	405.6	247.5	22.5	0.5	0.0	0.0
39°	896.8	866.9	786.7	663.6	517.1	352.7	206.0	19.5	0.2	0.0	0.0
40°	841.2	805.5	721.3	595.0	448.8	297.3	171.9	16.4	0.2	0.0	0.0
42.5°	634.5	604.3	513.7	404.7	274.3	175.3	95.4	10.7	0.0	0.0	0.0
45°	396.5	365.0	303.6	221.9	148.5	90.8	45.9	6.1	0.0	0.0	0.0
47.5°	161.9	148.5	122.2	94.0	67.2	42.7	19.1	2.7	0.0	0.0	0.0
50°	55.6	49.5	41.6	30.4	21.6	14.8	10.0	0.7	0.0	0.0	0.0
52.5°	16.1	16.4	14.3	12.3	9.5	6.8	5.0	0.0	0.0	0.0	0.0
55°	3.0	2.5	3.0	2.7	3.0	2.5	1.8	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	0.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2



TEST NUMBER: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 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	0.5	0.7	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	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: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.9	12.9	12.9
2.5°	8.4	7.5	7.0
5°	4.8	3.6	3.4
7.5°	2.5	1.6	1.4
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: P1313884

CATALOG NUMBER: P3SQAS02R309735DE010 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)