

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: P1316306

Luminaire Tested: P3SQAS13R609827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

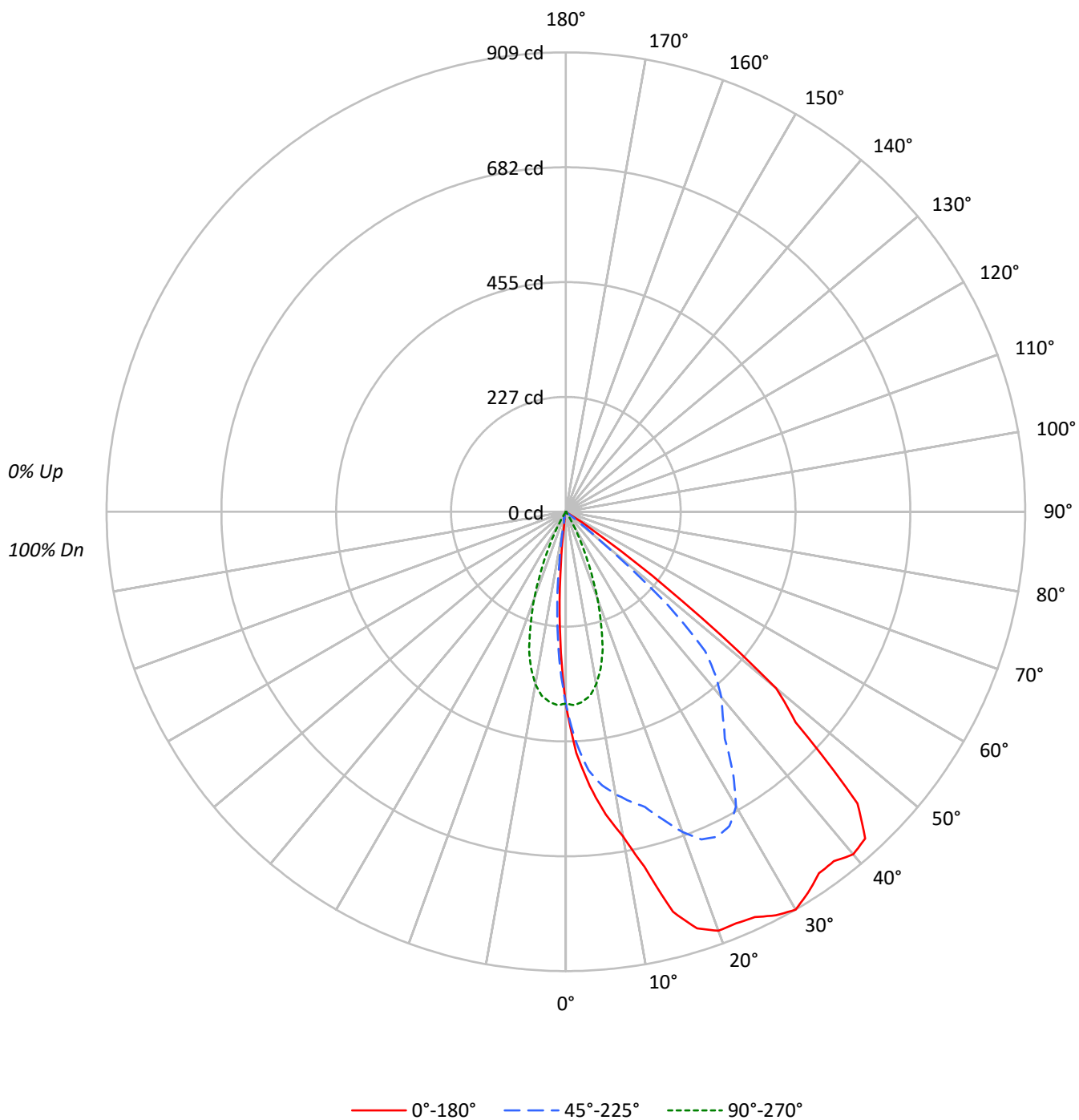
Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1316306

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316306

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCA301MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
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	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	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	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	65376	65376	65376	65376	65376
5°	94237	88757	65280	33625	21610
10°	113986	99227	60596	4022	2361
15°	146097	107799	50227	2657	2175
20°	161686	123546	33668	1485	257
25°	168155	134786	16551	133	0
30°	180809	133936	4574	0	0
35°	183628	115319	0	0	0
40°	198944	107509	0	0	0
45°	198745	94915	0	0	0
50°	145513	22988	0	0	0
55°	28405	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 199061 cd/sqm

TEST NUMBER: P1316306

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	5.3
10°-20°	92.8	15.0
20°-30°	147.9	24.0
30°-40°	171.0	27.7
40°-50°	135.8	22.0
50°-60°	35.7	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	273.4	44.3
0°-40°	444.4	72.0
0°-60°	616.0	99.8
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	380	380	380	380	380	
5°	545	513	378	194	125	55
15°	819	605	282	15	12	228
25°	885	709	87	1	0	413
35°	873	548	0	0	0	555
45°	816	390	0	0	0	581
55°	95	0	0	0	0	143
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316306

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6
2.5°	477.6	482.3	480.3	478.2	473.5	471.5	471.5	466.1	457.3	455.9	449.9
5°	545.1	546.5	546.5	545.1	541.7	536.3	535.0	529.6	521.5	513.4	505.3
7.5°	603.9	603.2	599.1	596.4	590.4	582.9	576.2	568.8	556.6	545.8	534.3
10°	651.8	653.9	650.5	643.7	635.6	625.5	614.7	601.8	583.6	567.4	552.5
12.5°	719.4	718.7	709.9	698.4	678.9	659.9	643.1	628.9	606.6	587.0	568.8
15°	819.4	818.0	809.9	799.8	771.4	743.0	714.0	674.1	637.0	604.6	578.9
17.5°	864.6	867.3	860.6	855.2	838.9	820.0	794.4	754.5	697.1	638.3	584.3
20°	882.2	885.5	880.8	880.1	872.7	863.9	843.0	799.8	743.7	674.1	607.3
22.5°	881.5	884.2	882.2	891.0	899.7	895.0	869.3	826.1	768.7	701.8	626.2
25°	884.9	882.8	875.4	888.3	901.1	897.0	884.2	847.0	784.2	709.3	632.9
27.5°	900.4	885.5	870.7	886.9	893.0	894.3	886.9	843.0	781.5	701.1	619.4
30°	909.2	893.0	880.8	894.3	894.3	901.8	886.2	836.2	758.6	673.5	583.6
32.5°	893.0	889.6	900.4	913.9	917.3	917.3	882.8	813.9	720.1	616.7	526.2
35°	873.4	881.5	912.6	918.6	918.6	903.8	861.9	774.8	662.6	548.5	483.6
37.5°	871.4	884.2	918.6	911.2	899.1	871.4	810.6	706.5	580.9	510.0	451.9
40°	884.9	897.0	917.3	890.3	861.2	818.0	745.1	617.4	531.6	478.2	413.4
42.5°	876.8	888.3	888.9	849.1	807.9	749.1	652.5	545.1	495.8	437.7	369.5
45°	816.0	817.3	814.6	772.1	729.5	668.7	566.0	509.3	456.6	389.7	271.5
47.5°	616.7	614.0	624.1	612.0	614.0	577.5	514.0	467.4	404.6	273.6	82.4
50°	543.1	539.7	529.6	518.8	508.0	490.4	460.7	410.7	291.8	85.8	2.7
52.5°	291.1	307.3	339.1	387.7	406.0	404.6	382.3	304.0	91.9	0.7	0.0
55°	94.6	93.2	104.0	122.9	168.9	194.5	202.6	103.3	2.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	6.8	17.6	23.0	1.4	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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: P1316306

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6
2.5°	441.8	432.3	421.5	383.0	337.7	293.8	262.1	254.0
5°	492.4	476.2	453.2	377.6	279.0	194.5	139.1	125.0
7.5°	518.8	504.6	480.3	366.8	216.2	95.9	35.8	24.3
10°	535.0	518.1	491.1	346.5	141.2	23.0	12.8	13.5
12.5°	546.5	526.9	496.5	317.5	71.6	11.5	16.2	16.9
15°	551.2	530.2	495.8	281.7	25.7	14.9	14.2	12.2
17.5°	548.5	522.1	487.0	230.3	8.8	14.2	7.4	6.1
20°	545.1	515.4	472.8	183.7	7.4	8.1	2.7	1.4
22.5°	555.9	503.9	453.2	131.7	7.4	2.7	0.0	0.0
25°	557.3	499.2	428.3	87.1	3.4	0.7	0.0	0.0
27.5°	543.8	471.5	389.7	51.3	0.0	0.0	0.0	0.0
30°	500.5	437.0	348.5	23.0	0.0	0.0	0.0	0.0
32.5°	458.0	398.5	302.6	5.4	0.0	0.0	0.0	0.0
35°	424.2	358.7	252.0	0.0	0.0	0.0	0.0	0.0
37.5°	382.3	311.4	187.8	0.0	0.0	0.0	0.0	0.0
40°	338.4	251.3	93.9	0.0	0.0	0.0	0.0	0.0
42.5°	264.1	119.6	9.5	0.0	0.0	0.0	0.0	0.0
45°	101.3	10.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)