

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: P1313307

Luminaire Tested: P3SQAS09R609730DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313307
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: P3SQAS09R609730DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

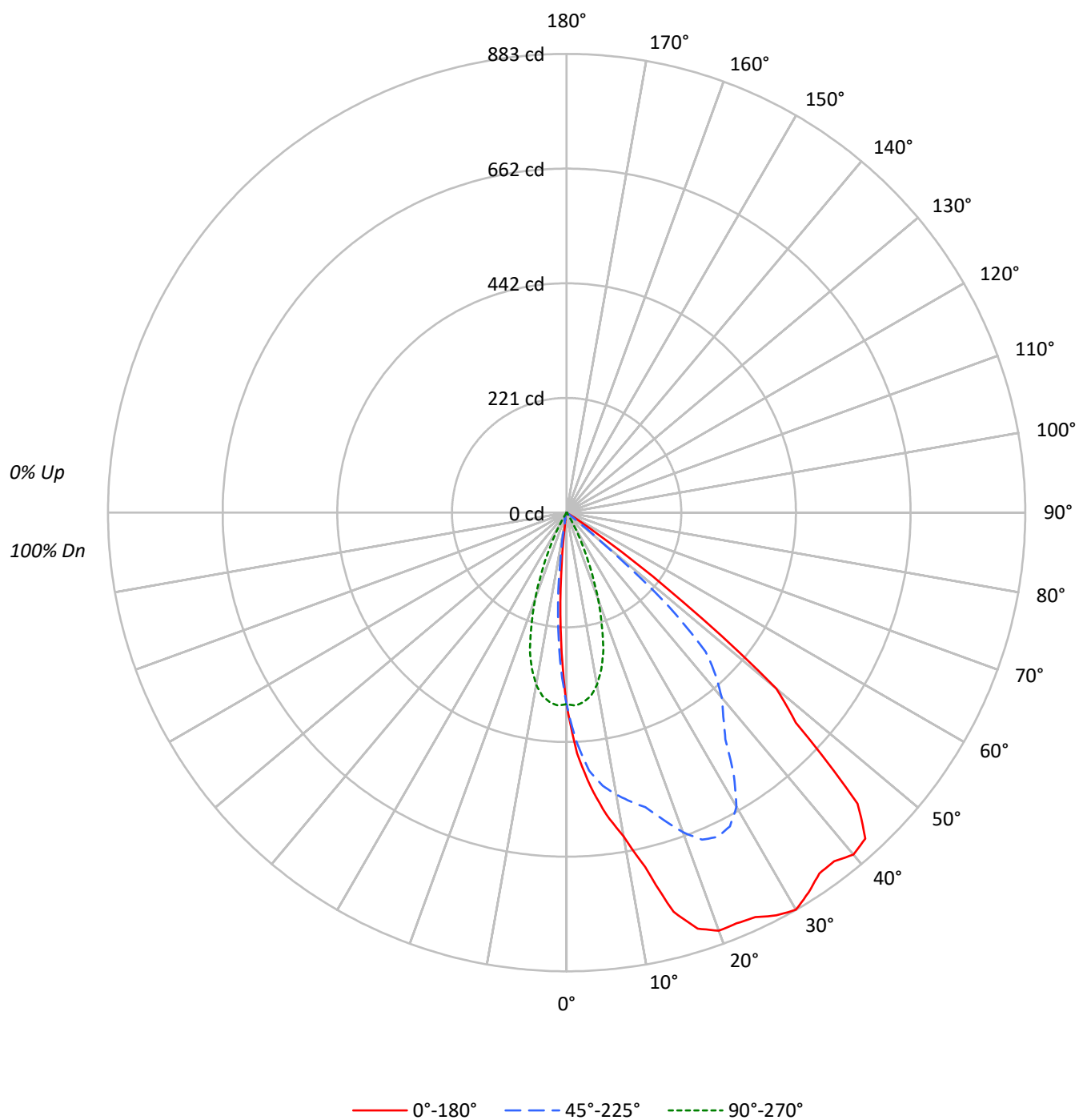
Lumens per Lamp: N/A
Luminaire Lumens: 599.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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Luminous Intensity Polar Plot



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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	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°	63464	63464	63464	63464	63464
5°	91488	86164	63378	32657	20970
10°	110664	96324	58829	3900	2291
15°	141818	104643	48765	2567	2104
20°	156957	119954	32696	1448	238
25°	163252	130852	16076	133	0
30°	175539	130018	4435	0	0
35°	178267	111955	0	0	0
40°	193143	104384	0	0	0
45°	192948	92163	0	0	0
50°	141253	22319	0	0	0
55°	27564	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: 193265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	5.3
10°-20°	90.1	15.0
20°-30°	143.6	24.0
30°-40°	166.0	27.7
40°-50°	131.9	22.0
50°-60°	34.7	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°	265.4	44.3
0°-40°	431.4	72.0
0°-60°	598.0	99.8
0°-90°	599.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	368	368	368	368	368	
5°	529	498	367	189	121	53
15°	795	587	274	14	12	222
25°	859	689	85	1	0	401
35°	848	532	0	0	0	539
45°	792	378	0	0	0	564
55°	92	0	0	0	0	138
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5
2.5°	463.6	468.2	466.3	464.3	459.7	457.7	457.7	452.5	444.0	442.6	436.7
5°	529.2	530.5	530.5	529.2	525.9	520.7	519.4	514.1	506.3	498.4	490.5
7.5°	586.3	585.6	581.7	579.0	573.1	565.9	559.4	552.2	540.4	529.9	518.7
10°	632.8	634.8	631.5	624.9	617.1	607.2	596.8	584.3	566.6	550.8	536.4
12.5°	698.4	697.7	689.2	678.1	659.0	640.7	624.3	610.5	588.9	569.9	552.2
15°	795.4	794.1	786.3	776.4	748.9	721.3	693.1	654.5	618.4	586.9	562.0
17.5°	839.4	842.0	835.5	830.2	814.5	796.1	771.2	732.5	676.8	619.7	567.2
20°	856.4	859.7	855.1	854.5	847.3	838.7	818.4	776.4	722.0	654.5	589.5
22.5°	855.8	858.4	856.4	865.0	873.5	868.9	844.0	802.0	746.3	681.3	607.9
25°	859.1	857.1	849.9	862.3	874.8	870.9	858.4	822.3	761.3	688.6	614.5
27.5°	874.1	859.7	845.3	861.0	866.9	868.2	861.0	818.4	758.7	680.7	601.3
30°	882.7	866.9	855.1	868.2	868.2	875.5	860.4	811.8	736.4	653.8	566.6
32.5°	866.9	863.6	874.1	887.3	890.5	890.5	857.1	790.2	699.1	598.7	510.8
35°	847.9	855.8	885.9	891.8	891.8	877.4	836.8	752.2	643.3	532.5	469.5
37.5°	845.9	858.4	891.8	884.6	872.8	845.9	786.9	685.9	564.0	495.1	438.7
40°	859.1	870.9	890.5	864.3	836.1	794.1	723.3	599.4	516.1	464.3	401.3
42.5°	851.2	862.3	863.0	824.3	784.3	727.2	633.5	529.2	481.3	424.9	358.7
45°	792.2	793.5	790.9	749.5	708.2	649.2	549.5	494.5	443.3	378.4	263.6
47.5°	598.7	596.1	605.9	594.1	596.1	560.7	499.0	453.8	392.8	265.6	80.0
50°	527.2	524.0	514.1	503.6	493.1	476.1	447.2	398.7	283.3	83.3	2.6
52.5°	282.6	298.4	329.2	376.4	394.1	392.8	371.2	295.1	89.2	0.7	0.0
55°	91.8	90.5	101.0	119.4	163.9	188.9	196.7	100.3	2.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	6.6	17.1	22.3	1.3	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	368.5	368.5	368.5	368.5	368.5	368.5	368.5	368.5
2.5°	428.9	419.7	409.2	371.8	327.9	285.3	254.4	246.6
5°	478.1	462.3	440.0	366.6	270.8	188.9	135.1	121.3
7.5°	503.6	489.9	466.3	356.1	209.8	93.1	34.8	23.6
10°	519.4	503.0	476.7	336.4	137.1	22.3	12.5	13.1
12.5°	530.5	511.5	482.0	308.2	69.5	11.1	15.7	16.4
15°	535.1	514.8	481.3	273.5	24.9	14.4	13.8	11.8
17.5°	532.5	506.9	472.8	223.6	8.5	13.8	7.2	5.9
20°	529.2	500.4	459.0	178.4	7.2	7.9	2.6	1.3
22.5°	539.7	489.2	440.0	127.9	7.2	2.6	0.0	0.0
25°	541.0	484.6	415.8	84.6	3.3	0.7	0.0	0.0
27.5°	527.9	457.7	378.4	49.8	0.0	0.0	0.0	0.0
30°	485.9	424.3	338.4	22.3	0.0	0.0	0.0	0.0
32.5°	444.6	386.9	293.8	5.2	0.0	0.0	0.0	0.0
35°	411.8	348.2	244.6	0.0	0.0	0.0	0.0	0.0
37.5°	371.2	302.3	182.3	0.0	0.0	0.0	0.0	0.0
40°	328.5	243.9	91.2	0.0	0.0	0.0	0.0	0.0
42.5°	256.4	116.1	9.2	0.0	0.0	0.0	0.0	0.0
45°	98.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.2	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)