

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: P1312178

Luminaire Tested: P3SQAS05R609727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312178
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: P3SQAS05R609727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

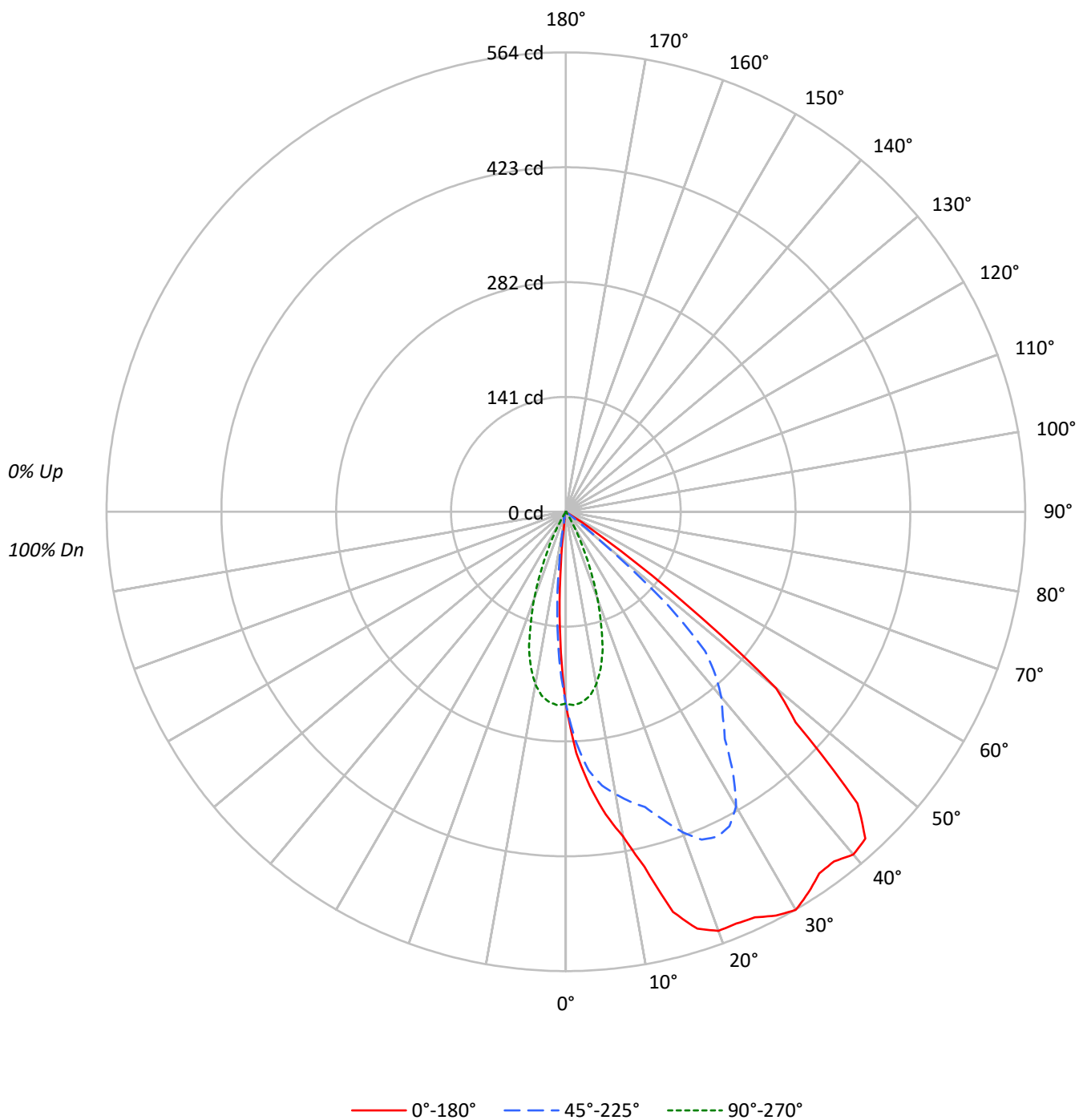
Lumens per Lamp: N/A
Luminaire Lumens: 383.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	64	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°	40576	40576	40576	40576	40576
5°	58503	55097	40523	20884	13416
10°	70756	61593	37617	2501	1469
15°	90682	66915	31166	1640	1337
20°	100362	76701	20893	916	147
25°	104382	83669	10280	76	0
30°	112240	83126	2844	0	0
35°	113995	71588	0	0	0
40°	123494	66749	0	0	0
45°	123363	58917	0	0	0
50°	90319	14281	0	0	0
55°	17625	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 123582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	5.3
10°-20°	57.6	15.0
20°-30°	91.8	24.0
30°-40°	106.2	27.7
40°-50°	84.3	22.0
50°-60°	22.2	5.8
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°	169.7	44.3
0°-40°	275.9	72.0
0°-60°	382.4	99.8
0°-90°	383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	236	236	236	236	236	
5°	338	319	234	121	78	34
15°	509	375	175	9	8	142
25°	549	440	54	0	0	256
35°	542	340	0	0	0	344
45°	506	242	0	0	0	361
55°	59	0	0	0	0	89
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2.5°	296.4	299.4	298.1	296.9	293.9	292.7	292.7	289.3	283.9	283.0	279.3
5°	338.4	339.2	339.2	338.4	336.3	332.9	332.1	328.7	323.7	318.7	313.6
7.5°	374.9	374.4	371.9	370.2	366.5	361.9	357.7	353.0	345.5	338.8	331.7
10°	404.6	405.9	403.8	399.6	394.6	388.3	381.6	373.6	362.3	352.2	343.0
12.5°	446.6	446.1	440.7	433.6	421.4	409.7	399.2	390.4	376.5	364.4	353.0
15°	508.6	507.8	502.7	496.5	478.8	461.2	443.2	418.5	395.4	375.3	359.3
17.5°	536.7	538.4	534.2	530.8	520.8	509.0	493.1	468.4	432.7	396.2	362.7
20°	547.6	549.7	546.8	546.3	541.7	536.3	523.3	496.5	461.6	418.5	376.9
22.5°	547.2	548.9	547.6	553.1	558.5	555.6	539.6	512.8	477.2	435.7	388.7
25°	549.3	548.0	543.4	551.4	559.3	556.8	548.9	525.8	486.8	440.3	392.9
27.5°	558.9	549.7	540.5	550.5	554.3	555.2	550.5	523.3	485.1	435.2	384.5
30°	564.4	554.3	546.8	555.2	555.2	559.8	550.1	519.1	470.9	418.0	362.3
32.5°	554.3	552.2	558.9	567.3	569.4	569.4	548.0	505.3	447.0	382.8	326.6
35°	542.2	547.2	566.5	570.2	570.2	561.0	535.0	480.9	411.3	340.5	300.2
37.5°	540.9	548.9	570.2	565.6	558.1	540.9	503.2	438.6	360.6	316.6	280.5
40°	549.3	556.8	569.4	552.6	534.6	507.8	462.5	383.2	330.0	296.9	256.6
42.5°	544.3	551.4	551.8	527.1	501.5	465.0	405.0	338.4	307.8	271.7	229.4
45°	506.5	507.4	505.7	479.3	452.8	415.1	351.4	316.2	283.4	241.9	168.6
47.5°	382.8	381.1	387.4	379.9	381.1	358.5	319.1	290.2	251.2	169.8	51.2
50°	337.1	335.0	328.7	322.0	315.3	304.4	286.0	254.9	181.1	53.3	1.7
52.5°	180.7	190.8	210.5	240.7	252.0	251.2	237.3	188.7	57.0	0.4	0.0
55°	58.7	57.9	64.6	76.3	104.8	120.8	125.8	64.2	1.3	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	4.2	10.9	14.3	0.8	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	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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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2.5°	274.2	268.4	261.6	237.7	209.6	182.4	162.7	157.7
5°	305.7	295.6	281.3	234.4	173.2	120.8	86.4	77.6
7.5°	322.0	313.2	298.1	227.7	134.2	59.5	22.2	15.1
10°	332.1	321.6	304.8	215.1	87.6	14.3	8.0	8.4
12.5°	339.2	327.1	308.2	197.1	44.4	7.1	10.1	10.5
15°	342.1	329.1	307.8	174.8	15.9	9.2	8.8	7.5
17.5°	340.5	324.1	302.3	143.0	5.5	8.8	4.6	3.8
20°	338.4	319.9	293.5	114.0	4.6	5.0	1.7	0.8
22.5°	345.1	312.8	281.3	81.8	4.6	1.7	0.0	0.0
25°	345.9	309.9	265.8	54.1	2.1	0.4	0.0	0.0
27.5°	337.5	292.7	241.9	31.9	0.0	0.0	0.0	0.0
30°	310.7	271.3	216.4	14.3	0.0	0.0	0.0	0.0
32.5°	284.3	247.4	187.8	3.4	0.0	0.0	0.0	0.0
35°	263.3	222.6	156.4	0.0	0.0	0.0	0.0	0.0
37.5°	237.3	193.3	116.6	0.0	0.0	0.0	0.0	0.0
40°	210.1	156.0	58.3	0.0	0.0	0.0	0.0	0.0
42.5°	163.9	74.2	5.9	0.0	0.0	0.0	0.0	0.0
45°	62.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.4	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°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)