

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: P1305659

Luminaire Tested: P3SQAS05R609024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

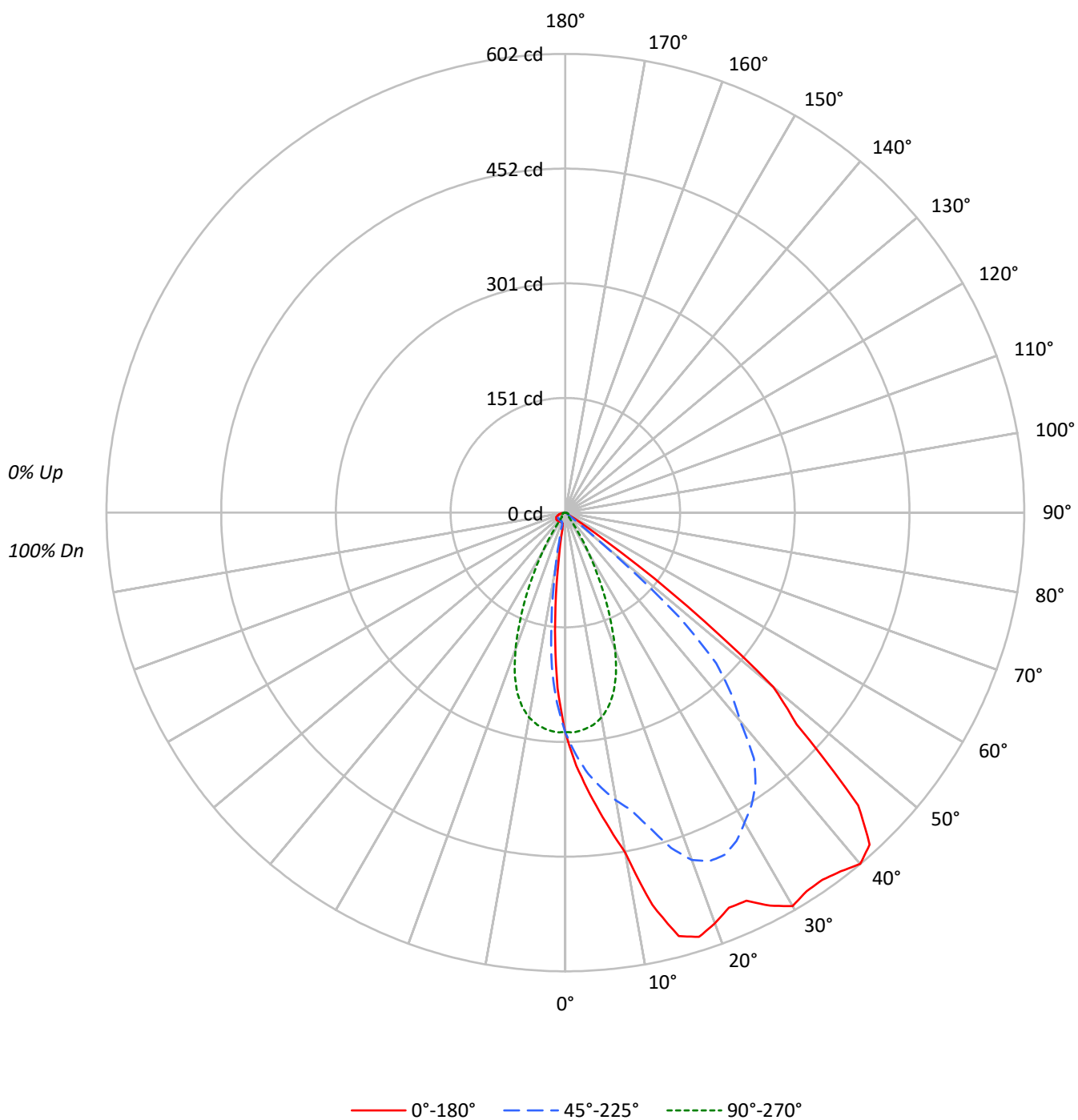
Lumens per Lamp: N/A
Luminaire Lumens: 468.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49617	49617	49617	49617	49617
5°	64087	59505	49340	35147	26814
10°	79203	67066	47760	13291	3935
15°	102575	76347	43558	2906	2603
20°	105109	88925	35061	2438	2511
25°	106795	94120	23506	2356	2527
30°	118544	93487	12131	2367	2645
35°	123645	91415	3343	2502	2880
40°	135297	80171	1596	2675	3170
45°	132375	68124	1607	2898	3556
50°	95410	16799	1768	3188	3912
55°	18316	1051	1862	3453	4384
60°	930	1068	1826	3651	4719
65°	897	1100	1793	3790	5053
70°	906	1108	1762	3777	5136
75°	865	1198	1797	3793	5323
80°	397	1289	1785	3967	5256
85°	790	790	1778	3557	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	5.4
10°-20°	69.2	14.8
20°-30°	106.5	22.7
30°-40°	124.9	26.7
40°-50°	100.2	21.4
50°-60°	31.1	6.6
60°-70°	5.9	1.3
70°-80°	3.9	0.8
80°-90°	1.4	0.3
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°	200.7	42.9
0°-40°	325.6	69.6
0°-60°	456.8	97.6
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	288	288	288	288	288	
5°	371	344	285	203	155	38
15°	575	428	244	16	15	158
25°	562	495	124	12	13	265
35°	588	435	16	12	14	372
45°	544	280	7	12	15	389
55°	61	4	6	12	15	97
65°	2	3	4	9	12	2
75°	1	2	3	6	8	1
85°	0	0	1	2	3	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°	288.1	288.1	288.1	288.1	288.1	288.1	288.1	288.1	288.1	288.1	288.1
2.5°	332.3	328.7	328.7	327.4	326.1	326.5	323.0	324.3	320.8	318.1	315.9
5°	370.7	366.3	365.9	363.6	361.4	359.7	355.2	352.6	347.3	344.2	337.6
7.5°	410.5	406.9	404.7	402.1	398.1	393.7	386.2	381.3	372.9	364.5	356.1
10°	452.9	449.8	444.9	441.9	430.8	423.7	413.6	406.9	394.6	383.5	370.7
12.5°	527.1	525.4	516.1	509.9	494.0	479.8	457.8	440.1	418.0	399.9	382.6
15°	575.3	573.1	568.2	562.5	552.3	536.4	516.5	491.8	460.8	428.2	399.0
17.5°	583.7	584.1	581.0	579.7	573.1	562.9	547.0	528.5	497.5	461.3	421.5
20°	573.5	577.1	576.2	578.8	580.1	576.2	565.6	547.5	520.5	485.2	440.5
22.5°	561.1	564.2	563.4	568.2	575.7	579.7	576.2	561.6	534.2	494.9	451.1
25°	562.0	564.2	557.6	560.7	570.4	580.1	580.6	567.8	538.2	495.3	450.2
27.5°	581.5	574.8	559.8	558.5	570.4	582.8	583.7	567.8	532.4	486.0	441.4
30°	596.1	591.2	574.4	572.2	583.7	592.1	587.7	562.9	518.7	470.1	428.6
32.5°	589.0	589.9	582.8	589.9	604.9	608.4	589.9	551.4	499.7	454.7	413.6
35°	588.1	591.6	595.6	606.7	616.8	608.4	578.8	529.8	479.4	434.8	390.2
37.5°	593.4	599.1	604.9	614.6	614.6	593.0	549.7	502.4	455.1	406.5	341.6
40°	601.8	605.3	607.1	606.2	594.3	562.5	516.5	469.2	424.2	356.6	309.3
42.5°	590.8	590.3	588.5	581.0	558.9	517.4	474.5	436.1	365.0	321.7	267.8
45°	543.5	543.5	538.6	526.7	506.4	471.9	433.9	377.8	332.7	279.7	198.8
47.5°	411.4	408.3	413.6	420.6	420.6	417.5	383.1	334.5	288.5	201.9	63.6
50°	356.1	351.3	344.6	346.0	345.1	348.6	326.5	289.9	213.4	62.7	4.4
52.5°	201.5	210.3	232.0	262.5	276.2	281.0	267.3	220.5	72.0	4.0	3.5
55°	61.0	62.7	71.1	87.5	118.9	152.0	154.2	71.6	4.9	3.5	3.5
57.5°	2.7	2.7	3.5	5.3	12.4	18.6	19.9	4.4	3.1	3.5	3.5
60°	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.5
62.5°	2.2	2.2	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7	3.1
67.5°	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
72.5°	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8	1.8	2.2
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8
77.5°	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3
80°	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	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°	288.1	288.1	288.1	288.1	288.1	288.1	288.1	288.1
2.5°	312.8	309.3	305.3	288.5	272.2	250.1	235.1	230.6
5°	331.8	326.1	317.2	285.4	247.0	203.3	167.9	155.1
7.5°	347.7	338.9	326.5	281.0	216.9	137.9	88.8	75.1
10°	359.2	348.2	332.3	273.1	177.2	76.0	30.0	22.5
12.5°	368.9	354.4	335.4	261.1	129.0	30.9	15.5	15.5
15°	375.6	357.9	336.7	244.3	83.5	16.3	14.6	14.6
17.5°	384.9	361.9	336.7	220.9	45.5	14.1	14.1	14.1
20°	399.9	365.9	331.8	191.3	25.2	13.3	13.7	13.7
22.5°	407.8	371.6	325.6	156.9	15.9	12.8	13.3	13.3
25°	409.6	370.7	312.4	123.7	12.8	12.4	12.8	13.3
27.5°	403.4	364.5	294.7	90.1	11.5	11.9	12.8	13.3
30°	392.4	349.5	266.4	61.0	10.6	11.9	12.8	13.3
32.5°	371.6	313.3	233.3	36.7	10.2	11.9	12.8	13.7
35°	325.2	275.3	195.3	15.9	9.7	11.9	13.3	13.7
37.5°	291.6	237.3	151.1	8.0	9.7	11.9	13.3	14.1
40°	254.5	190.9	69.8	7.1	9.7	11.9	13.3	14.1
42.5°	194.0	88.4	8.4	7.1	9.3	11.9	13.7	14.1
45°	70.7	9.3	4.4	6.6	9.3	11.9	13.7	14.6
47.5°	5.3	3.5	4.0	6.6	9.3	11.9	13.7	14.6
50°	3.5	3.5	4.0	6.6	9.3	11.9	13.7	14.6
52.5°	3.5	4.0	4.0	6.2	8.8	11.9	13.7	14.6
55°	3.5	4.0	4.0	6.2	8.8	11.5	13.7	14.6
57.5°	3.5	3.5	4.0	5.7	8.4	11.0	13.7	14.1
60°	3.5	3.5	4.0	5.3	8.0	10.6	12.8	13.7
62.5°	3.5	3.5	3.5	4.9	7.5	10.2	12.4	13.3
65°	3.1	3.1	3.5	4.4	6.6	9.3	11.5	12.4
67.5°	2.7	3.1	3.1	4.0	6.2	8.4	10.6	11.5
70°	2.7	2.7	2.7	3.5	5.3	7.5	9.7	10.2
72.5°	2.2	2.2	2.7	3.1	4.9	6.6	8.8	9.3
75°	1.8	2.2	2.2	2.7	4.0	5.7	7.5	8.0
77.5°	1.8	1.8	1.8	2.2	3.5	4.9	6.2	6.6
80°	1.3	1.3	1.3	1.8	2.7	4.0	4.9	5.3
82.5°	0.9	1.3	1.3	1.3	2.2	2.7	3.5	4.0
85°	0.9	0.9	0.9	0.9	1.3	1.8	2.2	2.7
87.5°	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)