

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: P1309985

Luminaire Tested: P3SQAS05R609040DE010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309985  
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: P3SQAS05R609040DE010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

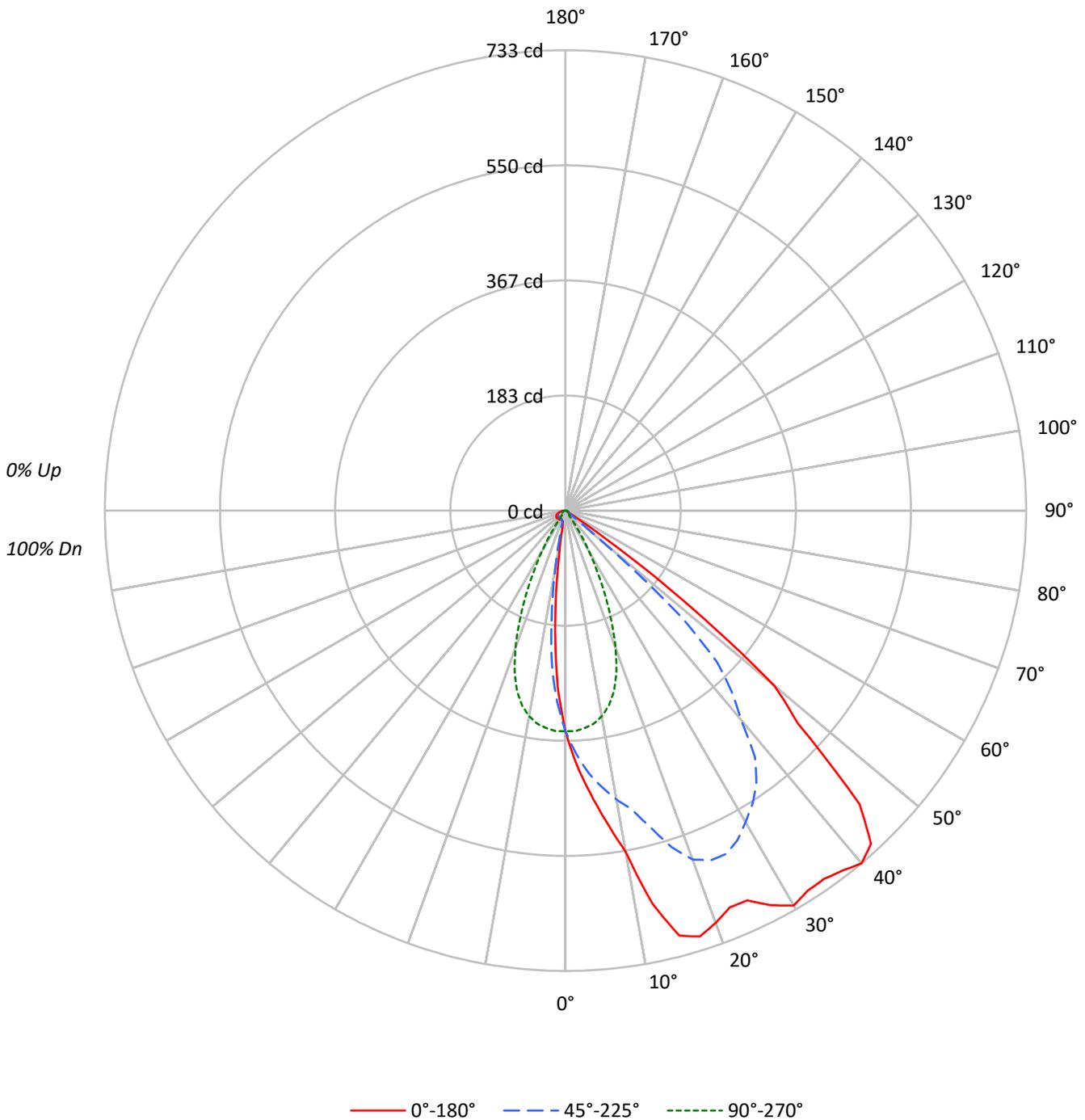
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 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 (A<sub>in</sub>): 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	0
RW	70	50	30	10	70	50	30	10	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			100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90			90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81			81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72			72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65			65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52			52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43			43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36			36	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	60433	60433	60433	60433	60433
5°	78056	72472	60093	42788	32657
10°	96464	81686	58165	16194	4792
15°	124933	92982	53061	3548	3174
20°	128018	108297	42703	2951	3061
25°	130073	114643	28637	2869	3059
30°	144376	113870	14776	2884	3202
35°	150599	111325	4079	3049	3511
40°	164794	97640	1933	3260	3867
45°	161212	82956	1973	3532	4335
50°	116202	20470	2170	3885	4769
55°	22309	1291	2252	4204	5345
60°	1102	1309	2239	4443	5752
65°	1100	1304	2201	4605	6153
70°	1108	1360	2165	4582	6244
75°	1065	1464	2129	4658	6455
80°	496	1587	2182	4761	6447
85°	988	988	2174	4347	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 161212 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.5	5.4
10°-20°	84.2	14.8
20°-30°	129.7	22.7
30°-40°	152.1	26.7
40°-50°	122.0	21.4
50°-60°	37.9	6.6
60°-70°	7.2	1.3
70°-80°	4.8	0.8
80°-90°	1.6	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°	244.4	42.9
0°-40°	396.5	69.6
0°-60°	556.4	97.6
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	351	351	351	351	351	
5°	452	419	348	248	189	46
15°	701	522	298	20	18	192
25°	684	603	151	15	16	323
35°	716	530	19	14	17	453
45°	662	341	8	14	18	474
55°	74	4	8	14	18	118
65°	3	3	5	11	15	3
75°	2	2	3	7	10	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°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	404.7	400.4	400.4	398.8	397.2	397.7	393.4	395.0	390.7	387.5	384.8
5°	451.5	446.1	445.6	442.9	440.2	438.1	432.7	429.4	423.0	419.2	411.1
7.5°	499.9	495.6	492.9	489.7	484.9	479.5	470.3	464.4	454.2	444.0	433.7
10°	551.6	547.8	541.9	538.2	524.7	516.1	503.7	495.6	480.6	467.1	451.5
12.5°	642.0	639.9	628.6	621.0	601.7	584.4	557.5	536.0	509.1	487.0	466.0
15°	700.7	698.0	692.1	685.1	672.7	653.3	629.1	599.0	561.3	521.5	486.0
17.5°	710.9	711.4	707.7	706.1	698.0	685.6	666.2	643.6	606.0	561.8	513.4
20°	698.5	702.8	701.7	705.0	706.6	701.7	688.8	666.8	633.9	590.9	536.5
22.5°	683.5	687.2	686.1	692.1	701.2	706.1	701.7	684.0	650.6	602.7	549.5
25°	684.5	687.2	679.1	682.9	694.8	706.6	707.1	691.5	655.5	603.3	548.4
27.5°	708.2	700.1	681.8	680.2	694.8	709.8	710.9	691.5	648.5	592.0	537.6
30°	726.0	720.0	699.6	696.9	710.9	721.1	715.7	685.6	631.8	572.6	522.0
32.5°	717.4	718.4	709.8	718.4	736.7	741.0	718.4	671.6	608.6	553.8	503.7
35°	716.3	720.6	725.4	738.9	751.3	741.0	705.0	645.2	583.9	529.5	475.2
37.5°	722.7	729.7	736.7	748.6	748.6	722.2	669.5	611.9	554.3	495.1	416.0
40°	733.0	737.3	739.4	738.3	723.8	685.1	629.1	571.5	516.6	434.3	376.7
42.5°	719.5	719.0	716.8	707.7	680.8	630.2	578.0	531.2	444.5	391.8	326.1
45°	661.9	661.9	656.0	641.5	616.7	574.7	528.5	460.1	405.2	340.6	242.2
47.5°	501.0	497.3	503.7	512.3	512.3	508.6	466.6	407.4	351.4	245.9	77.5
50°	433.7	427.8	419.8	421.4	420.3	424.6	397.7	353.0	259.9	76.4	5.4
52.5°	245.4	256.2	282.5	319.7	336.3	342.3	325.6	268.5	87.7	4.8	4.3
55°	74.3	76.4	86.6	106.6	144.8	185.1	187.8	87.2	5.9	4.3	4.3
57.5°	3.2	3.2	4.3	6.5	15.1	22.6	24.2	5.4	3.8	4.3	4.3
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.8	3.8	3.8	3.8	4.3
62.5°	2.7	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.8	3.8	3.8
65°	2.7	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2	3.2	3.8
67.5°	2.2	2.2	2.2	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7
72.5°	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
80°	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	381.0	376.7	371.9	351.4	331.5	304.6	286.3	280.9
5°	404.2	397.2	386.4	347.6	300.8	247.5	204.5	188.9
7.5°	423.5	412.8	397.7	342.3	264.2	167.9	108.2	91.5
10°	437.5	424.1	404.7	332.6	215.8	92.6	36.6	27.4
12.5°	449.4	431.6	408.5	318.0	157.1	37.7	18.8	18.8
15°	457.4	435.9	410.1	297.6	101.7	19.9	17.8	17.8
17.5°	468.7	440.7	410.1	269.1	55.4	17.2	17.2	17.2
20°	487.0	445.6	404.2	233.0	30.7	16.1	16.7	16.7
22.5°	496.7	452.6	396.6	191.0	19.4	15.6	16.1	16.1
25°	498.9	451.5	380.5	150.7	15.6	15.1	15.6	16.1
27.5°	491.3	444.0	358.9	109.8	14.0	14.5	15.6	16.1
30°	477.9	425.7	324.5	74.3	12.9	14.5	15.6	16.1
32.5°	452.6	381.5	284.1	44.7	12.4	14.5	15.6	16.7
35°	396.1	335.3	237.9	19.4	11.8	14.5	16.1	16.7
37.5°	355.2	289.0	184.0	9.7	11.8	14.5	16.1	17.2
40°	310.0	232.5	85.0	8.6	11.8	14.5	16.1	17.2
42.5°	236.2	107.6	10.2	8.6	11.3	14.5	16.7	17.2
45°	86.1	11.3	5.4	8.1	11.3	14.5	16.7	17.8
47.5°	6.5	4.3	4.8	8.1	11.3	14.5	16.7	17.8
50°	4.3	4.3	4.8	8.1	11.3	14.5	16.7	17.8
52.5°	4.3	4.8	4.8	7.5	10.8	14.5	16.7	17.8
55°	4.3	4.8	4.8	7.5	10.8	14.0	16.7	17.8
57.5°	4.3	4.3	4.8	7.0	10.2	13.5	16.7	17.2
60°	4.3	4.3	4.8	6.5	9.7	12.9	15.6	16.7
62.5°	4.3	4.3	4.3	5.9	9.1	12.4	15.1	16.1
65°	3.8	3.8	4.3	5.4	8.1	11.3	14.0	15.1
67.5°	3.2	3.8	3.8	4.8	7.5	10.2	12.9	14.0
70°	3.2	3.2	3.2	4.3	6.5	9.1	11.8	12.4
72.5°	2.7	2.7	3.2	3.8	5.9	8.1	10.8	11.3
75°	2.2	2.7	2.7	3.2	4.8	7.0	9.1	9.7
77.5°	2.2	2.2	2.2	2.7	4.3	5.9	7.5	8.1
80°	1.6	1.6	1.6	2.2	3.2	4.8	5.9	6.5
82.5°	1.1	1.6	1.6	1.6	2.7	3.2	4.3	4.8
85°	1.1	1.1	1.1	1.1	1.6	2.2	2.7	3.2
87.5°	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)