

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: P1311071

Luminaire Tested: P3SQAS05R609050DE010 E3SQCA301MB

Issue Date: 1/29/2026

**Test Information**

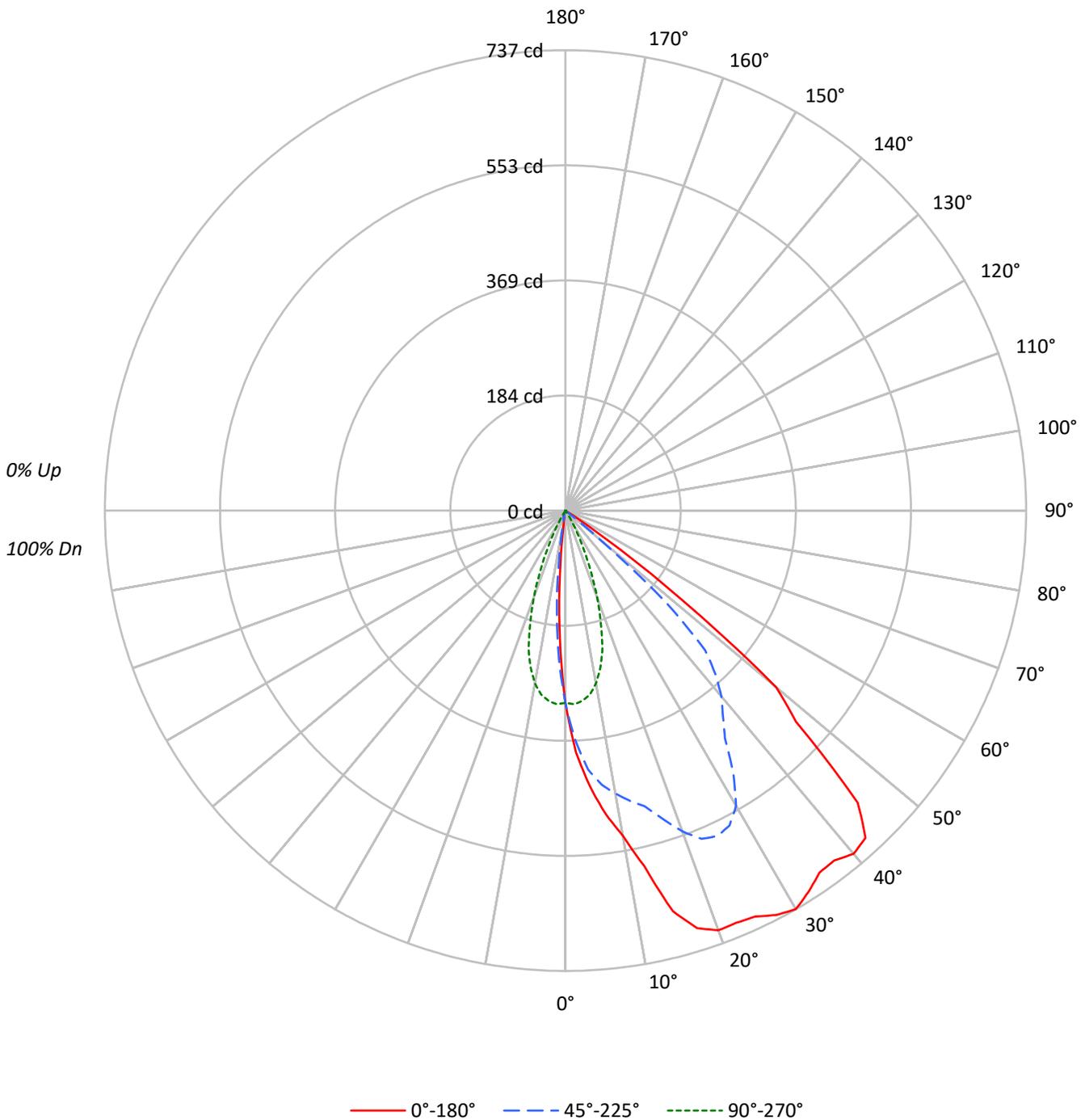
Test Method: LM-79-2019  
Report Number: P1311071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R609050DE010 E3SQCA301MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 499.9 lumens  
Efficiency: N/A  
Efficacy: 69.4 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	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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91	
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			82	
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74			74	
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66			66	
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60			60	
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			54	
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49			49	
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44	
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40			40	
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37			37	

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

	0°	45°	90°	135°	180°
0°	52976	52976	52976	52976	52976
5°	76361	71918	52901	27246	17513
10°	92371	80410	49106	3253	1906
15°	118390	87348	40705	2140	1765
20°	131024	100123	27290	1210	202
25°	136268	109227	13416	95	0
30°	146524	108521	3699	0	0
35°	148811	93454	0	0	0
40°	161219	87140	0	0	0
45°	161042	76916	0	0	0
50°	117916	18621	0	0	0
55°	23000	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 161310 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	5.3
10°-20°	75.2	15.1
20°-30°	119.9	24.0
30°-40°	138.6	27.7
40°-50°	110.1	22.0
50°-60°	29.0	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	221.5	44.3
0°-40°	360.1	72.0
0°-60°	499.2	99.8
0°-90°	499.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	308	308	308	308	308	
5°	442	416	306	158	101	45
15°	664	490	228	12	10	185
25°	717	575	71	0	0	334
35°	708	444	0	0	0	450
45°	661	316	0	0	0	471
55°	77	0	0	0	0	116
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6
2.5°	387.0	390.8	389.2	387.6	383.7	382.1	382.1	377.7	370.6	369.5	364.6
5°	441.7	442.8	442.8	441.7	439.0	434.6	433.5	429.2	422.6	416.0	409.4
7.5°	489.4	488.8	485.5	483.3	478.4	472.4	466.9	460.9	451.0	442.3	433.0
10°	528.2	529.9	527.1	521.7	515.1	506.9	498.1	487.7	472.9	459.8	447.8
12.5°	583.0	582.4	575.3	566.0	550.1	534.8	521.1	509.6	491.6	475.7	460.9
15°	664.0	662.9	656.3	648.1	625.1	602.1	578.6	546.3	516.2	489.9	469.1
17.5°	700.7	702.8	697.4	693.0	679.9	664.5	643.7	611.4	564.9	517.3	473.5
20°	714.9	717.6	713.8	713.2	707.2	700.1	683.1	648.1	602.7	546.3	492.1
22.5°	714.3	716.5	714.9	722.0	729.1	725.3	704.5	669.5	622.9	568.7	507.4
25°	717.1	715.4	709.4	719.8	730.2	726.9	716.5	686.4	635.5	574.8	512.9
27.5°	729.7	717.6	705.6	718.7	723.6	724.7	718.7	683.1	633.3	568.2	502.0
30°	736.8	723.6	713.8	724.7	724.7	730.8	718.2	677.7	614.7	545.7	472.9
32.5°	723.6	720.9	729.7	740.6	743.4	743.4	715.4	659.6	583.5	499.8	426.4
35°	707.8	714.3	739.5	744.4	744.4	732.4	698.5	627.9	537.0	444.5	391.9
37.5°	706.1	716.5	744.4	738.4	728.6	706.1	656.9	572.6	470.8	413.3	366.2
40°	717.1	726.9	743.4	721.5	697.9	662.9	603.8	500.3	430.8	387.6	335.0
42.5°	710.5	719.8	720.4	688.1	654.7	607.1	528.8	441.7	401.8	354.7	299.4
45°	661.2	662.3	660.1	625.7	591.2	541.9	458.7	412.7	370.0	315.8	220.0
47.5°	499.8	497.6	505.8	495.9	497.6	468.0	416.6	378.8	327.9	221.7	66.8
50°	440.1	437.4	429.2	420.4	411.6	397.4	373.3	332.8	236.5	69.5	2.2
52.5°	235.9	249.1	274.8	314.2	329.0	327.9	309.8	246.3	74.4	0.5	0.0
55°	76.6	75.5	84.3	99.6	136.8	157.6	164.2	83.8	1.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	5.5	14.2	18.6	1.1	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6
2.5°	358.0	350.3	341.6	310.4	273.7	238.1	212.4	205.8
5°	399.0	385.9	367.3	306.0	226.1	157.6	112.8	101.3
7.5°	420.4	408.9	389.2	297.2	175.2	77.7	29.0	19.7
10°	433.5	419.8	398.0	280.8	114.4	18.6	10.4	10.9
12.5°	442.8	427.0	402.3	257.3	58.0	9.3	13.1	13.7
15°	446.7	429.7	401.8	228.3	20.8	12.0	11.5	9.9
17.5°	444.5	423.1	394.7	186.7	7.1	11.5	6.0	4.9
20°	441.7	417.7	383.2	148.9	6.0	6.6	2.2	1.1
22.5°	450.5	408.4	367.3	106.7	6.0	2.2	0.0	0.0
25°	451.6	404.5	347.0	70.6	2.7	0.5	0.0	0.0
27.5°	440.6	382.1	315.8	41.6	0.0	0.0	0.0	0.0
30°	405.6	354.2	282.5	18.6	0.0	0.0	0.0	0.0
32.5°	371.1	323.0	245.2	4.4	0.0	0.0	0.0	0.0
35°	343.8	290.7	204.2	0.0	0.0	0.0	0.0	0.0
37.5°	309.8	252.3	152.2	0.0	0.0	0.0	0.0	0.0
40°	274.2	203.6	76.1	0.0	0.0	0.0	0.0	0.0
42.5°	214.0	96.9	7.7	0.0	0.0	0.0	0.0	0.0
45°	82.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.4	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°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)