

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: P1316016

Luminaire Tested: P3SQAS05R609827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316016
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: P3SQAS05R609827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

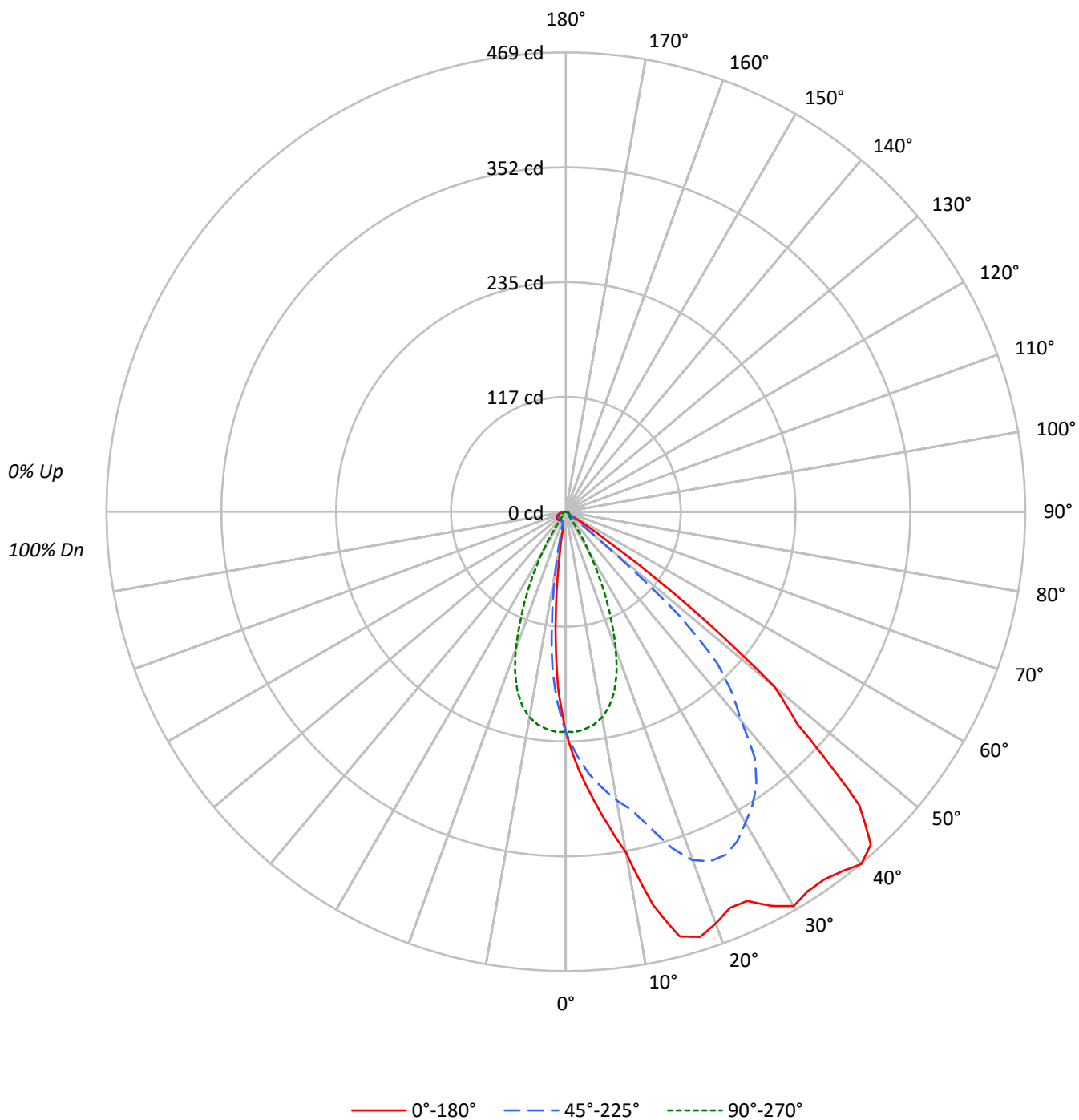
Lumens per Lamp: N/A
Luminaire Lumens: 365.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	42	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°	38698	38698	38698	38698	38698
5°	49980	46401	38483	27402	20919
10°	61767	52306	37249	10370	3078
15°	80002	59534	33984	2282	2033
20°	81979	69351	27345	1888	1961
25°	83289	73407	18338	1824	1957
30°	92453	72924	9466	1849	2048
35°	96439	71294	2607	1955	2250
40°	105531	62523	1237	2091	2473
45°	103245	53120	1267	2265	2777
50°	74431	13102	1393	2492	3054
55°	14292	841	1441	2702	3423
60°	723	827	1412	2859	3686
65°	693	856	1386	2934	3912
70°	705	856	1410	2971	3978
75°	665	932	1397	2994	4126
80°	298	992	1389	3075	4066
85°	593	593	1383	2766	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 103245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	5.4
10°-20°	53.9	14.8
20°-30°	83.0	22.7
30°-40°	97.4	26.7
40°-50°	78.1	21.4
50°-60°	24.3	6.6
60°-70°	4.6	1.3
70°-80°	3.1	0.8
80°-90°	1.1	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°	156.5	42.9
0°-40°	253.9	69.6
0°-60°	356.3	97.6
0°-90°	365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	289	268	223	158	121	29
15°	449	334	191	13	11	123
25°	438	386	96	10	10	207
35°	459	339	12	9	11	290
45°	424	218	5	9	11	303
55°	48	3	5	9	11	75
65°	2	2	3	7	10	2
75°	1	1	2	4	6	1
85°	0	0	1	1	2	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°	224.7	224.7	224.7	224.7	224.7	224.7	224.7	224.7	224.7	224.7	224.7
2.5°	259.1	256.4	256.4	255.4	254.3	254.7	251.9	252.9	250.2	248.1	246.4
5°	289.1	285.7	285.3	283.6	281.9	280.5	277.1	275.0	270.9	268.4	263.3
7.5°	320.1	317.4	315.7	313.6	310.5	307.0	301.2	297.4	290.8	284.3	277.8
10°	353.2	350.8	347.0	344.6	336.0	330.5	322.6	317.4	307.7	299.1	289.1
12.5°	411.1	409.7	402.5	397.7	385.3	374.2	357.0	343.2	326.0	311.9	298.4
15°	448.7	447.0	443.2	438.7	430.8	418.4	402.8	383.5	359.4	333.9	311.2
17.5°	455.2	455.6	453.2	452.1	447.0	439.0	426.6	412.1	388.0	359.8	328.8
20°	447.3	450.1	449.4	451.4	452.5	449.4	441.1	427.0	405.9	378.4	343.6
22.5°	437.6	440.1	439.4	443.2	449.0	452.1	449.4	438.0	416.6	386.0	351.8
25°	438.3	440.1	434.9	437.3	444.9	452.5	452.8	442.8	419.7	386.3	351.2
27.5°	453.5	448.3	436.6	435.6	444.9	454.5	455.2	442.8	415.2	379.1	344.3
30°	464.9	461.1	448.0	446.3	455.2	461.8	458.3	439.0	404.6	366.7	334.3
32.5°	459.4	460.0	454.5	460.0	471.8	474.5	460.0	430.1	389.7	354.6	322.6
35°	458.7	461.4	464.5	473.1	481.1	474.5	451.4	413.2	373.9	339.1	304.3
37.5°	462.8	467.3	471.8	479.3	479.3	462.5	428.7	391.8	354.9	317.0	266.4
40°	469.4	472.1	473.5	472.8	463.5	438.7	402.8	366.0	330.8	278.1	241.2
42.5°	460.7	460.4	459.0	453.2	435.9	403.5	370.1	340.1	284.6	250.9	208.8
45°	423.9	423.9	420.1	410.8	394.9	368.0	338.4	294.6	259.5	218.1	155.1
47.5°	320.8	318.4	322.6	328.1	328.1	325.7	298.8	260.9	225.0	157.5	49.6
50°	277.8	274.0	268.8	269.8	269.1	271.9	254.7	226.1	166.4	48.9	3.4
52.5°	157.1	164.0	180.9	204.7	215.4	219.2	208.5	172.0	56.2	3.1	2.8
55°	47.6	48.9	55.5	68.2	92.7	118.5	120.3	55.8	3.8	2.8	2.8
57.5°	2.1	2.1	2.8	4.1	9.6	14.5	15.5	3.4	2.4	2.8	2.8
60°	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.8
62.5°	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.4	2.4
65°	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.4
67.5°	1.4	1.4	1.4	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7	1.7
72.5°	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4	1.4	1.7
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4
77.5°	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	224.7	224.7	224.7	224.7	224.7	224.7	224.7	224.7
2.5°	244.0	241.2	238.1	225.0	212.3	195.0	183.3	179.9
5°	258.8	254.3	247.4	222.6	192.6	158.5	131.0	121.0
7.5°	271.2	264.3	254.7	219.2	169.2	107.5	69.3	58.6
10°	280.2	271.5	259.1	213.0	138.2	59.3	23.4	17.6
12.5°	287.7	276.4	261.6	203.7	100.6	24.1	12.1	12.1
15°	292.9	279.1	262.6	190.6	65.1	12.8	11.4	11.4
17.5°	300.2	282.2	262.6	172.3	35.5	11.0	11.0	11.0
20°	311.9	285.3	258.8	149.2	19.6	10.3	10.7	10.7
22.5°	318.1	289.8	254.0	122.3	12.4	10.0	10.3	10.3
25°	319.4	289.1	243.6	96.5	10.0	9.6	10.0	10.3
27.5°	314.6	284.3	229.9	70.3	9.0	9.3	10.0	10.3
30°	306.0	272.6	207.8	47.6	8.3	9.3	10.0	10.3
32.5°	289.8	244.3	182.0	28.6	7.9	9.3	10.0	10.7
35°	253.6	214.7	152.3	12.4	7.6	9.3	10.3	10.7
37.5°	227.4	185.1	117.9	6.2	7.6	9.3	10.3	11.0
40°	198.5	148.9	54.4	5.5	7.6	9.3	10.3	11.0
42.5°	151.3	68.9	6.5	5.5	7.2	9.3	10.7	11.0
45°	55.1	7.2	3.4	5.2	7.2	9.3	10.7	11.4
47.5°	4.1	2.8	3.1	5.2	7.2	9.3	10.7	11.4
50°	2.8	2.8	3.1	5.2	7.2	9.3	10.7	11.4
52.5°	2.8	3.1	3.1	4.8	6.9	9.3	10.7	11.4
55°	2.8	3.1	3.1	4.8	6.9	9.0	10.7	11.4
57.5°	2.8	2.8	3.1	4.5	6.5	8.6	10.7	11.0
60°	2.8	2.8	3.1	4.1	6.2	8.3	10.0	10.7
62.5°	2.8	2.8	2.8	3.8	5.9	7.9	9.6	10.3
65°	2.4	2.4	2.8	3.4	5.2	7.2	9.0	9.6
67.5°	2.1	2.4	2.4	3.1	4.8	6.5	8.3	9.0
70°	2.1	2.1	2.1	2.8	4.1	5.9	7.6	7.9
72.5°	1.7	1.7	2.1	2.4	3.8	5.2	6.9	7.2
75°	1.4	1.7	1.7	2.1	3.1	4.5	5.9	6.2
77.5°	1.4	1.4	1.4	1.7	2.8	3.8	4.8	5.2
80°	1.0	1.0	1.0	1.4	2.1	3.1	3.8	4.1
82.5°	0.7	1.0	1.0	1.0	1.7	2.1	2.8	3.1
85°	0.7	0.7	0.7	0.7	1.0	1.4	1.7	2.1
87.5°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)