

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: P1309998

Luminaire Tested: P3SQAS05R709040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

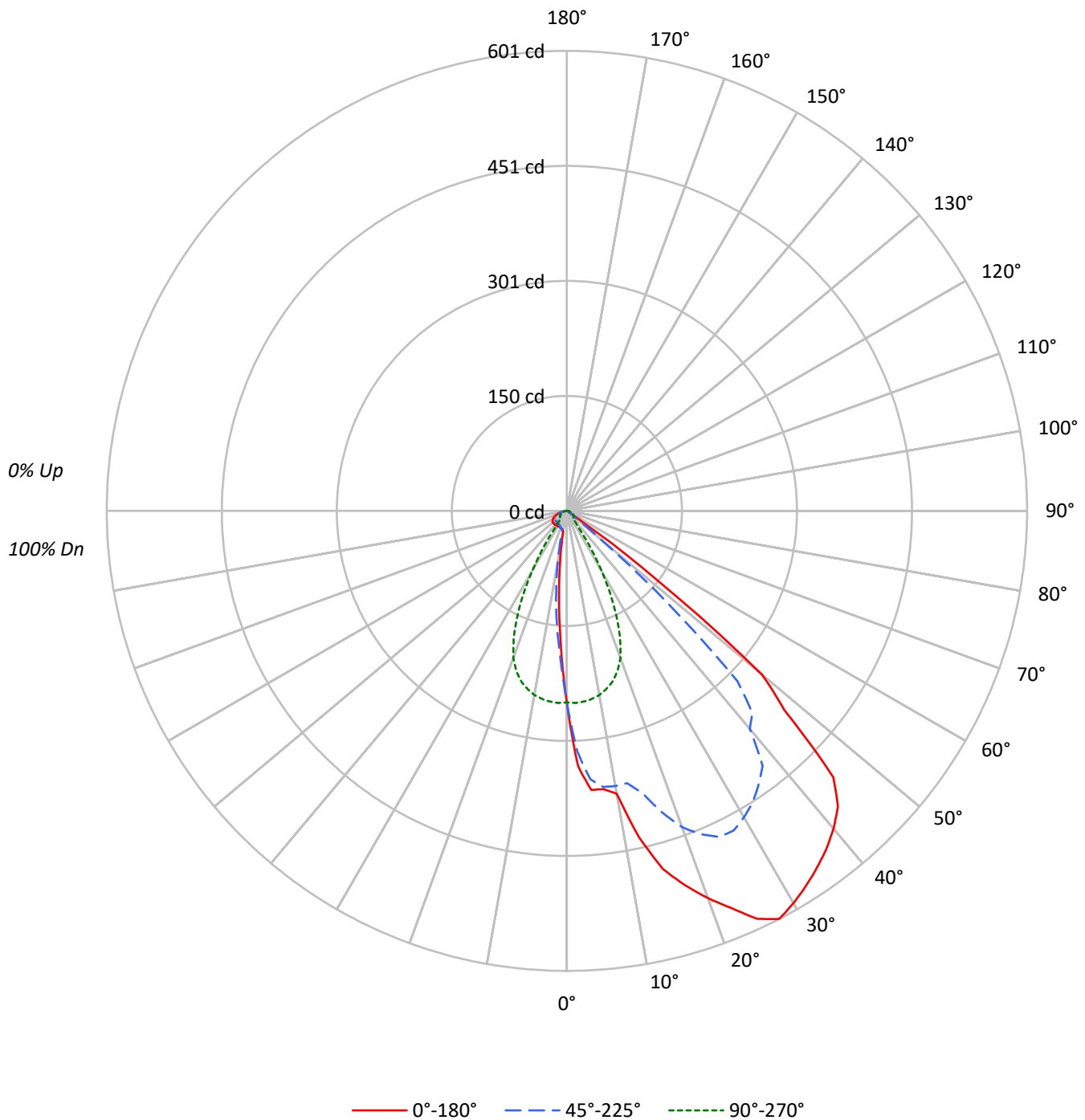
Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43073	43073	43073	43073	43073
5°	63274	60854	43237	25811	20227
10°	65597	63814	42706	12346	5002
15°	86385	68039	41133	4422	4333
20°	98676	80605	37443	4252	4344
25°	111736	89313	29397	4105	4295
30°	117689	91955	18216	4077	4614
35°	119671	91793	6013	4184	4878
40°	121785	83498	2900	4474	5328
45°	119856	76673	3020	4725	5772
50°	89087	14147	3028	5198	6350
55°	7116	1952	3243	5495	6786
60°	1481	2032	3169	5580	7061
65°	1549	1997	3056	5501	7254
70°	1360	1913	2971	5136	7050
75°	1065	1797	2529	4991	6787
80°	1091	1587	2678	4860	6447
85°	988	2174	3162	4347	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 121293 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	4.8
10°-20°	64.0	13.5
20°-30°	107.5	22.6
30°-40°	129.2	27.2
40°-50°	102.4	21.6
50°-60°	32.8	6.9
60°-70°	9.2	1.9
70°-80°	5.5	1.2
80°-90°	1.7	0.4
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°	194.2	40.9
0°-40°	323.5	68.1
0°-60°	458.7	96.6
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	250	250	250	250	250	
5°	366	352	250	149	117	34
15°	484	382	231	25	24	136
25°	588	470	155	22	23	269
35°	569	437	29	20	23	356
45°	492	315	12	19	24	353
55°	24	6	11	18	23	74
65°	4	5	8	14	18	4
75°	2	3	4	8	10	2
85°	0	1	2	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°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	333.6	335.8	335.8	333.1	334.2	329.9	326.6	321.8	320.7	314.8	307.2
5°	366.0	364.9	364.9	362.7	363.8	362.2	360.6	359.5	356.3	352.0	347.6
7.5°	366.5	367.6	368.1	367.6	369.7	368.1	368.1	368.1	366.0	363.8	359.5
10°	375.1	373.5	371.9	368.1	366.0	364.3	364.3	364.9	366.0	364.9	362.2
12.5°	437.1	431.2	428.5	419.3	412.3	400.5	387.0	376.7	367.6	364.3	362.2
15°	484.5	483.5	478.1	469.4	460.8	446.8	431.2	415.6	398.8	381.6	369.2
17.5°	512.6	510.4	505.0	495.9	485.6	472.7	460.3	448.4	432.3	412.9	392.9
20°	538.4	533.6	526.6	515.8	505.6	493.2	479.7	468.4	454.9	439.8	416.6
22.5°	561.6	557.3	546.0	531.4	521.2	509.3	497.5	486.7	474.3	457.1	436.0
25°	588.0	578.3	560.0	541.1	528.7	519.0	510.4	501.8	488.9	470.0	445.2
27.5°	601.0	587.5	567.5	548.7	536.8	526.6	517.4	508.8	494.2	471.1	442.5
30°	591.8	584.3	570.2	555.7	546.0	536.3	525.5	512.6	489.4	462.4	436.0
32.5°	581.0	577.2	570.8	562.2	556.2	546.5	531.4	510.4	478.1	451.7	423.1
35°	569.2	567.5	565.4	561.6	557.8	548.7	529.8	499.1	466.8	436.6	409.1
37.5°	556.8	555.1	556.8	556.2	553.0	541.1	512.6	484.0	450.6	419.9	366.5
40°	541.7	540.6	543.3	546.0	542.2	526.6	495.9	461.4	431.7	371.4	353.0
42.5°	523.9	523.3	528.2	530.4	525.0	501.8	465.7	440.3	377.8	358.4	315.3
45°	492.1	493.2	495.3	498.0	494.8	469.4	436.6	390.2	362.7	314.8	179.5
47.5°	385.4	386.4	397.2	419.9	435.5	426.9	398.8	364.3	324.5	180.0	56.6
50°	332.5	331.5	332.0	337.4	349.8	361.7	353.0	334.2	193.5	52.8	7.0
52.5°	146.1	162.2	179.5	228.0	259.2	292.1	298.6	209.1	63.1	7.0	7.0
55°	23.7	24.8	31.3	45.8	82.5	124.5	150.9	70.1	6.5	6.5	6.5
57.5°	4.9	4.9	4.9	5.4	8.1	17.2	19.9	5.9	5.9	5.9	6.5
60°	4.3	4.3	4.3	4.3	4.9	4.9	4.9	5.4	5.4	5.9	5.9
62.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.9	4.9	5.4	5.4	5.9
65°	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	5.4
67.5°	3.2	3.2	3.2	3.2	3.8	3.8	3.8	4.3	4.3	4.3	4.9
70°	2.7	2.7	2.7	2.7	3.2	3.2	3.2	3.2	3.8	3.8	3.8
72.5°	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7	3.2	3.2	3.2
75°	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6
82.5°	0.5	0.5	1.1	1.1	1.1	1.1	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	1.1	1.1	1.1	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°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	302.4	294.8	284.6	251.2	220.4	192.4	178.4	176.8
5°	340.6	333.6	316.4	250.1	191.3	149.3	124.0	117.0
7.5°	355.2	349.3	334.2	247.9	163.8	107.3	78.7	67.9
10°	359.0	355.2	342.3	244.2	135.3	70.6	37.2	28.6
12.5°	360.6	357.9	345.5	238.2	106.7	36.7	25.3	25.3
15°	363.3	360.6	348.7	230.7	78.7	24.8	24.3	24.3
17.5°	375.1	366.5	353.0	219.4	51.7	23.7	23.7	23.7
20°	394.5	375.7	355.2	204.3	32.3	23.2	23.2	23.7
22.5°	410.7	385.4	354.6	181.6	23.7	22.1	22.6	23.2
25°	417.7	389.7	349.8	154.7	20.5	21.6	22.6	22.6
27.5°	416.6	391.3	345.5	124.0	19.4	21.0	22.1	23.2
30°	410.7	387.0	335.8	91.6	18.3	20.5	22.1	23.2
32.5°	400.5	370.3	316.4	59.3	17.8	20.5	22.1	23.2
35°	367.0	343.3	288.4	28.6	17.2	19.9	22.6	23.2
37.5°	347.6	314.8	219.9	14.0	16.7	19.9	22.6	23.2
40°	316.4	235.0	99.2	12.9	16.7	19.9	22.6	23.7
42.5°	198.9	96.5	16.2	12.4	16.2	19.9	22.6	23.7
45°	72.8	12.9	8.6	12.4	16.2	19.4	22.6	23.7
47.5°	7.5	7.5	8.1	11.9	15.6	19.4	22.6	23.7
50°	7.0	7.5	8.1	11.3	15.1	19.4	22.1	23.7
52.5°	7.0	7.5	8.1	11.3	14.6	18.9	22.1	23.7
55°	7.0	7.5	7.5	10.8	14.0	18.3	21.6	22.6
57.5°	6.5	7.0	7.5	10.2	13.5	17.2	21.0	22.1
60°	6.5	7.0	7.5	9.2	12.9	16.2	19.9	20.5
62.5°	5.9	6.5	7.0	8.6	11.9	15.1	18.3	19.4
65°	5.9	5.9	6.5	7.5	10.8	13.5	16.7	17.8
67.5°	4.9	5.4	5.4	6.5	9.2	11.9	15.1	16.2
70°	4.3	4.3	4.9	5.9	8.1	10.2	12.9	14.0
72.5°	3.8	3.8	3.8	4.9	7.0	9.2	11.3	12.4
75°	3.2	3.2	3.2	3.8	5.9	7.5	9.7	10.2
77.5°	2.7	2.7	2.7	3.2	4.9	6.5	7.5	8.6
80°	2.2	2.2	2.2	2.7	3.8	4.9	5.9	6.5
82.5°	1.6	1.6	1.6	2.2	2.7	3.2	4.3	4.3
85°	1.1	1.1	1.1	1.6	1.6	2.2	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)