

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: P1314462

Luminaire Tested: P3SQAS13R709735DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314462
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: P3SQAS13R709735DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

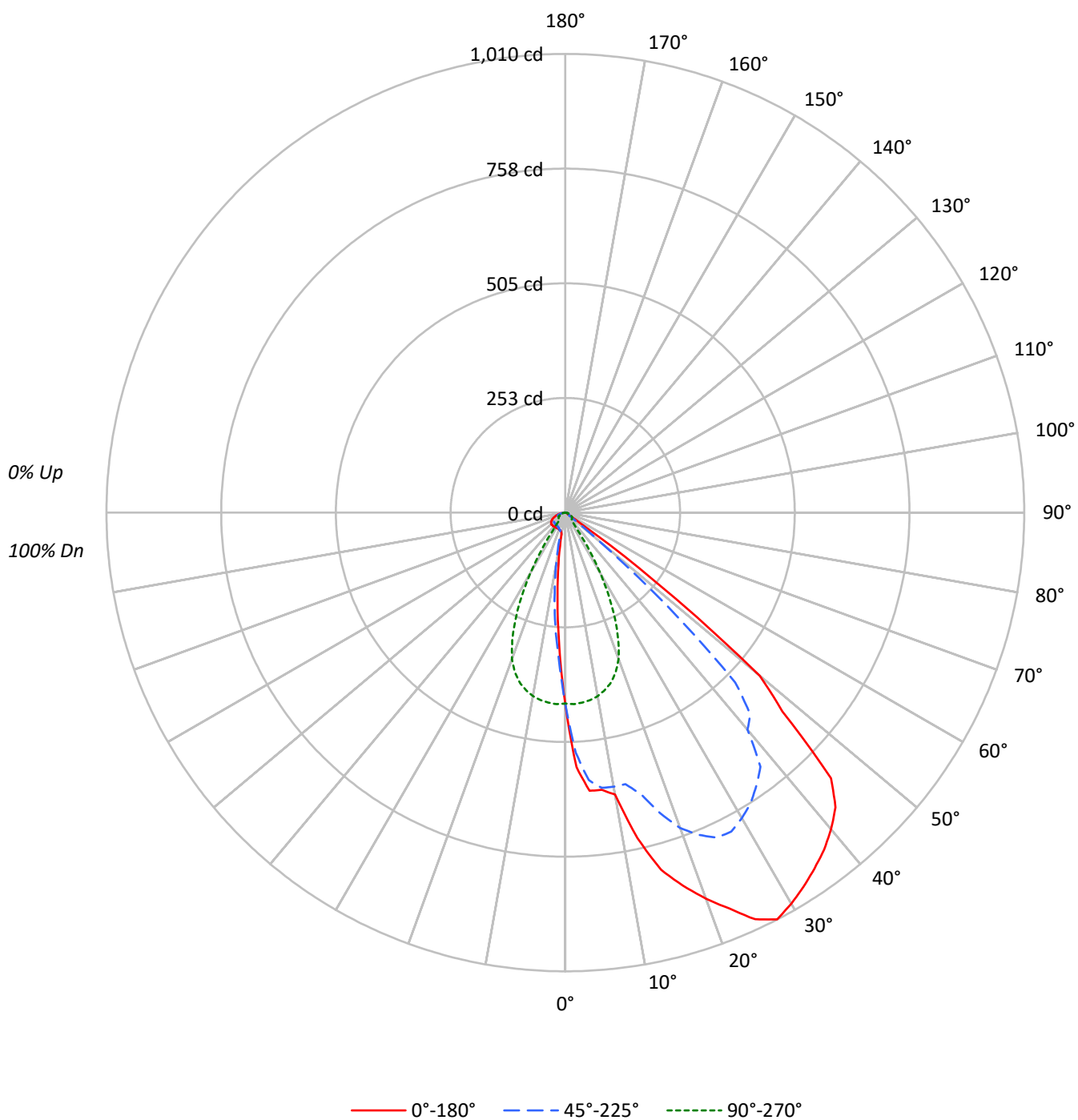
Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	72351	72351	72351	72351	72351
5°	106287	102224	72627	43358	33971
10°	110209	107201	71736	20741	8394
15°	145135	114307	69090	7435	7257
20°	165791	135422	62900	7129	7294
25°	187727	150045	49388	6879	7221
30°	197712	154499	30605	6841	7736
35°	201036	154194	10092	7043	8179
40°	204587	140266	4879	7531	8948
45°	201351	128794	5066	7940	9694
50°	149693	23765	5091	8735	10664
55°	11950	3273	5435	9248	11410
60°	2480	3444	5304	9369	11849
65°	2567	3301	5175	9210	12185
70°	2266	3172	5035	8661	11833
75°	1797	2994	4192	8451	11445
80°	1785	2678	4463	8034	10811
85°	1778	3557	5335	7114	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 203786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	4.8
10°-20°	107.5	13.5
20°-30°	180.5	22.6
30°-40°	217.1	27.2
40°-50°	172.1	21.6
50°-60°	55.1	6.9
60°-70°	15.4	1.9
70°-80°	9.2	1.1
80°-90°	2.9	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°	326.3	40.9
0°-40°	543.4	68.1
0°-60°	770.5	96.6
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	420	420	420	420	420	
5°	615	591	420	251	196	58
15°	814	641	388	42	41	229
25°	988	790	260	36	38	452
35°	956	733	48	34	39	599
45°	827	529	21	33	40	594
55°	40	11	18	31	38	125
65°	6	8	13	23	30	6
75°	3	4	6	13	17	3
85°	1	2	3	4	4	1
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°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1
2.5°	560.5	564.1	564.1	559.6	561.4	554.2	548.7	540.6	538.8	528.8	516.1
5°	614.8	613.0	613.0	609.4	611.2	608.5	605.8	604.0	598.5	591.3	584.0
7.5°	615.7	617.5	618.4	617.5	621.2	618.4	618.4	618.4	614.8	611.2	604.0
10°	630.2	627.5	624.8	618.4	614.8	612.1	612.1	613.0	614.8	613.0	608.5
12.5°	734.3	724.4	719.9	704.5	692.7	672.8	650.1	632.9	617.5	612.1	608.5
15°	814.0	812.2	803.2	788.7	774.2	750.6	724.4	698.1	670.1	641.1	620.3
17.5°	861.1	857.5	848.4	833.0	815.8	794.1	773.3	753.4	726.2	693.6	660.1
20°	904.6	896.4	884.7	866.5	849.3	828.5	805.9	786.9	764.2	738.9	699.9
22.5°	943.5	936.3	917.3	892.8	875.6	855.7	835.8	817.7	796.8	767.8	732.5
25°	987.9	971.6	940.8	909.1	888.3	872.0	857.5	843.0	821.3	789.6	747.9
27.5°	1009.6	987.0	953.5	921.8	901.9	884.7	869.3	854.8	830.3	791.4	743.4
30°	994.2	981.5	958.0	933.6	917.3	901.0	882.8	861.1	822.2	776.9	732.5
32.5°	976.1	969.8	958.9	944.4	934.5	918.2	892.8	857.5	803.2	758.8	710.8
35°	956.2	953.5	949.9	943.5	937.2	921.8	890.1	838.5	784.1	733.4	687.3
37.5°	935.4	932.6	935.4	934.5	929.0	909.1	861.1	813.1	757.0	705.4	615.7
40°	910.0	908.2	912.7	917.3	910.9	884.7	833.0	775.1	725.3	623.9	593.1
42.5°	880.1	879.2	887.4	891.0	881.9	843.0	782.3	739.8	634.7	602.1	529.7
45°	826.7	828.5	832.1	836.7	831.2	788.7	733.4	655.6	609.4	528.8	301.5
47.5°	647.4	649.2	667.3	705.4	731.6	717.1	670.1	612.1	545.1	302.4	95.1
50°	558.7	556.9	557.8	566.8	587.7	607.6	593.1	561.4	325.1	88.7	11.8
52.5°	245.4	272.6	301.5	383.0	435.5	490.8	501.6	351.3	105.9	11.8	11.8
55°	39.8	41.7	52.5	77.0	138.5	209.2	253.5	117.7	10.9	10.9	10.9
57.5°	8.1	8.1	8.1	9.1	13.6	29.0	33.5	10.0	10.0	10.0	10.9
60°	7.2	7.2	7.2	7.2	8.1	8.1	8.1	9.1	9.1	10.0	10.0
62.5°	7.2	7.2	7.2	7.2	7.2	7.2	8.1	8.1	9.1	9.1	10.0
65°	6.3	6.3	6.3	6.3	7.2	7.2	7.2	7.2	8.1	8.1	9.1
67.5°	5.4	5.4	5.4	5.4	6.3	6.3	6.3	7.2	7.2	7.2	8.1
70°	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4	6.3	6.3	6.3
72.5°	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5	5.4	5.4	5.4
75°	2.7	2.7	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7
82.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1
2.5°	508.0	495.3	478.1	422.0	370.3	323.3	299.7	297.0
5°	572.3	560.5	531.5	420.1	321.4	250.8	208.3	196.5
7.5°	596.7	586.8	561.4	416.5	275.3	180.2	132.2	114.1
10°	603.1	596.7	575.0	410.2	227.3	118.6	62.5	48.0
12.5°	605.8	601.2	580.4	400.2	179.3	61.6	42.6	42.6
15°	610.3	605.8	585.8	387.5	132.2	41.7	40.7	40.7
17.5°	630.2	615.7	593.1	368.5	86.9	39.8	39.8	39.8
20°	662.8	631.1	596.7	343.2	54.3	38.9	38.9	39.8
22.5°	690.0	647.4	595.8	305.1	39.8	37.1	38.0	38.9
25°	701.7	654.7	587.7	259.9	34.4	36.2	38.0	38.0
27.5°	699.9	657.4	580.4	208.3	32.6	35.3	37.1	38.9
30°	690.0	650.1	564.1	153.9	30.8	34.4	37.1	38.9
32.5°	672.8	622.1	531.5	99.6	29.9	34.4	37.1	38.9
35°	616.6	576.8	484.4	48.0	29.0	33.5	38.0	38.9
37.5°	584.0	528.8	369.4	23.5	28.1	33.5	38.0	38.9
40°	531.5	394.8	166.6	21.7	28.1	33.5	38.0	39.8
42.5°	334.1	162.1	27.2	20.8	27.2	33.5	38.0	39.8
45°	122.2	21.7	14.5	20.8	27.2	32.6	38.0	39.8
47.5°	12.7	12.7	13.6	19.9	26.3	32.6	38.0	39.8
50°	11.8	12.7	13.6	19.0	25.4	32.6	37.1	39.8
52.5°	11.8	12.7	13.6	19.0	24.4	31.7	37.1	39.8
55°	11.8	12.7	12.7	18.1	23.5	30.8	36.2	38.0
57.5°	10.9	11.8	12.7	17.2	22.6	29.0	35.3	37.1
60°	10.9	11.8	12.7	15.4	21.7	27.2	33.5	34.4
62.5°	10.0	10.9	11.8	14.5	19.9	25.4	30.8	32.6
65°	10.0	10.0	10.9	12.7	18.1	22.6	28.1	29.9
67.5°	8.1	9.1	9.1	10.9	15.4	19.9	25.4	27.2
70°	7.2	7.2	8.1	10.0	13.6	17.2	21.7	23.5
72.5°	6.3	6.3	6.3	8.1	11.8	15.4	19.0	20.8
75°	5.4	5.4	5.4	6.3	10.0	12.7	16.3	17.2
77.5°	4.5	4.5	4.5	5.4	8.1	10.9	12.7	14.5
80°	3.6	3.6	3.6	4.5	6.3	8.1	10.0	10.9
82.5°	2.7	2.7	2.7	3.6	4.5	5.4	7.2	7.2
85°	1.8	1.8	1.8	2.7	2.7	3.6	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)