

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: P1309205

Luminaire Tested: P3SQAS13R709035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309205
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: P3SQAS13R709035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

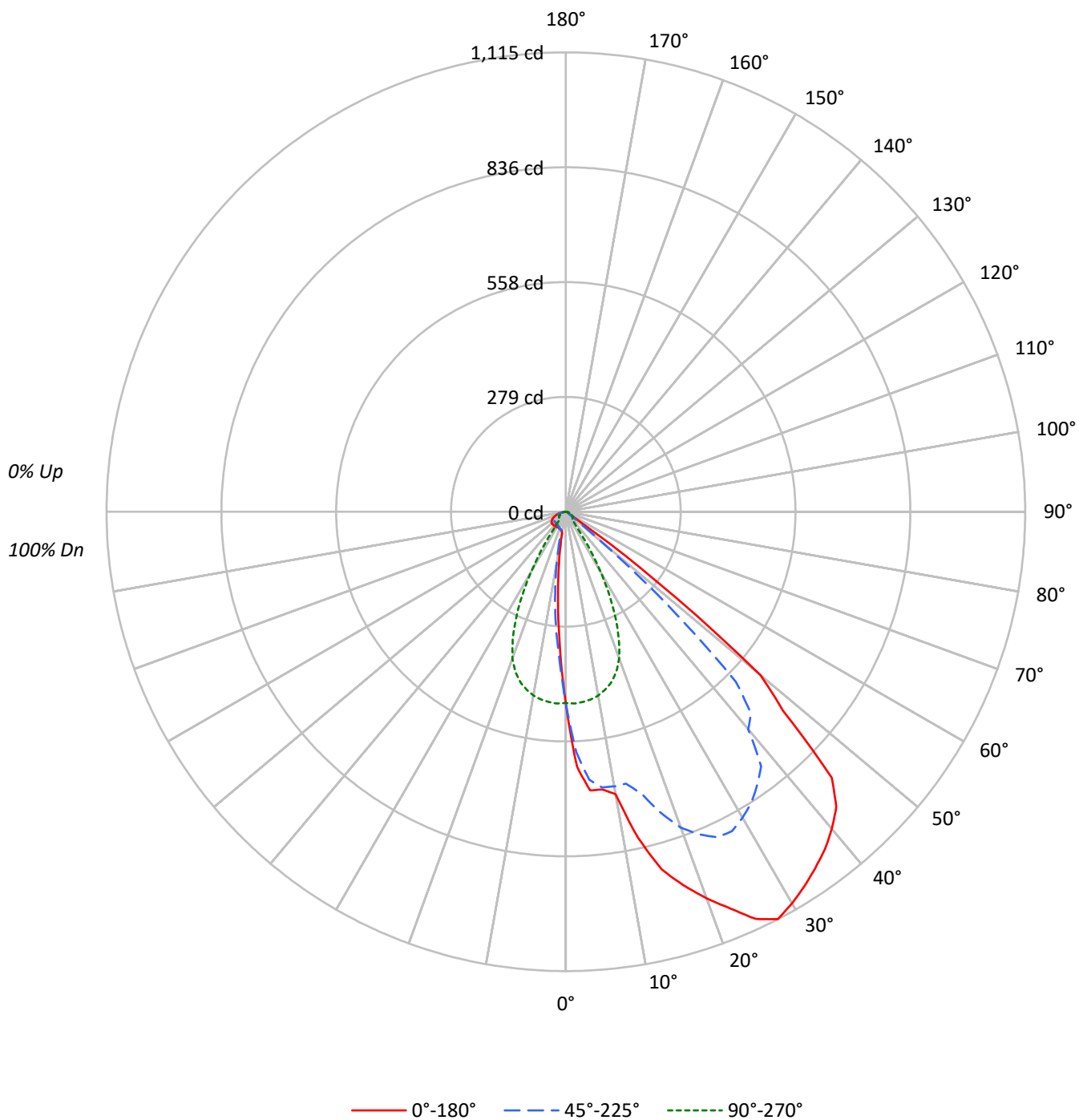
Lumens per Lamp: N/A
Luminaire Lumens: 881.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
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°	79877	79877	79877	79877	79877
5°	117351	112856	80182	47871	37498
10°	121681	118358	79185	22909	9269
15°	160236	126199	76294	8202	8023
20°	183037	149498	69443	7881	8064
25°	207243	165646	54519	7601	7981
30°	218275	170567	33787	7557	8551
35°	221935	170235	11143	7779	9041
40°	225877	154856	5396	8318	9892
45°	222297	142190	5602	8768	10717
50°	165260	26257	5627	9646	11789
55°	13211	3603	6005	10209	12611
60°	2756	3789	5856	10333	13089
65°	2853	3668	5705	10188	13448
70°	2518	3525	5539	9567	13092
75°	1996	3327	4658	9316	12643
80°	1984	2975	4959	8926	11901
85°	1976	3952	5928	7904	9880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 224976 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	4.8
10°-20°	118.7	13.5
20°-30°	199.3	22.6
30°-40°	239.7	27.2
40°-50°	190.0	21.6
50°-60°	60.8	6.9
60°-70°	17.0	1.9
70°-80°	10.1	1.1
80°-90°	3.2	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°	360.2	40.9
0°-40°	599.9	68.1
0°-60°	850.7	96.6
0°-90°	881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	464	464	464	464	464	
5°	679	653	464	277	217	64
15°	899	708	428	46	45	253
25°	1091	872	287	40	42	499
35°	1056	810	53	37	43	661
45°	913	584	23	36	44	656
55°	44	12	20	34	42	138
65°	7	9	14	25	33	7
75°	3	5	7	14	19	4
85°	1	2	3	4	5	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°	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8
2.5°	618.8	622.8	622.8	617.8	619.8	611.8	605.8	596.8	594.8	583.8	569.8
5°	678.8	676.8	676.8	672.8	674.8	671.8	668.8	666.8	660.8	652.8	644.8
7.5°	679.8	681.8	682.8	681.8	685.8	682.8	682.8	682.8	678.8	674.8	666.8
10°	695.8	692.8	689.8	682.8	678.8	675.8	675.8	676.8	678.8	676.8	671.8
12.5°	810.7	799.7	794.7	777.7	764.7	742.7	717.8	698.8	681.8	675.8	671.8
15°	898.7	896.7	886.7	870.7	854.7	828.7	799.7	770.7	739.8	707.8	684.8
17.5°	950.7	946.7	936.7	919.7	900.7	876.7	853.7	831.7	801.7	765.7	728.8
20°	998.7	989.7	976.7	956.7	937.7	914.7	889.7	868.7	843.7	815.7	772.7
22.5°	1041.6	1033.7	1012.7	985.7	966.7	944.7	922.7	902.7	879.7	847.7	808.7
25°	1090.6	1072.6	1038.6	1003.7	980.7	962.7	946.7	930.7	906.7	871.7	825.7
27.5°	1114.6	1089.6	1052.6	1017.7	995.7	976.7	959.7	943.7	916.7	873.7	820.7
30°	1097.6	1083.6	1057.6	1030.7	1012.7	994.7	974.7	950.7	907.7	857.7	808.7
32.5°	1077.6	1070.6	1058.6	1042.6	1031.7	1013.7	985.7	946.7	886.7	837.7	784.7
35°	1055.6	1052.6	1048.6	1041.6	1034.7	1017.7	982.7	925.7	865.7	809.7	758.7
37.5°	1032.7	1029.7	1032.7	1031.7	1025.7	1003.7	950.7	897.7	835.7	778.7	679.8
40°	1004.7	1002.7	1007.7	1012.7	1005.7	976.7	919.7	855.7	800.7	688.8	654.8
42.5°	971.7	970.7	979.7	983.7	973.7	930.7	863.7	816.7	700.8	664.8	584.8
45°	912.7	914.7	918.7	923.7	917.7	870.7	809.7	723.8	672.8	583.8	332.9
47.5°	714.8	716.8	736.8	778.7	807.7	791.7	739.8	675.8	601.8	333.9	105.0
50°	616.8	614.8	615.8	625.8	648.8	670.8	654.8	619.8	358.9	98.0	13.0
52.5°	270.9	300.9	332.9	422.9	480.8	541.8	553.8	387.9	117.0	13.0	13.0
55°	44.0	46.0	58.0	85.0	152.9	230.9	279.9	130.0	12.0	12.0	12.0
57.5°	9.0	9.0	9.0	10.0	15.0	32.0	37.0	11.0	11.0	11.0	12.0
60°	8.0	8.0	8.0	8.0	9.0	9.0	9.0	10.0	10.0	11.0	11.0
62.5°	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0	10.0	10.0	11.0
65°	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	9.0	9.0	10.0
67.5°	6.0	6.0	6.0	6.0	7.0	7.0	7.0	8.0	8.0	8.0	9.0
70°	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0
72.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
75°	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0
82.5°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8
2.5°	560.8	546.8	527.8	465.8	408.9	356.9	330.9	327.9
5°	631.8	618.8	586.8	463.8	354.9	276.9	229.9	216.9
7.5°	658.8	647.8	619.8	459.8	303.9	198.9	146.0	126.0
10°	665.8	658.8	634.8	452.8	250.9	131.0	69.0	53.0
12.5°	668.8	663.8	640.8	441.9	197.9	68.0	47.0	47.0
15°	673.8	668.8	646.8	427.9	146.0	46.0	45.0	45.0
17.5°	695.8	679.8	654.8	406.9	96.0	44.0	44.0	44.0
20°	731.8	696.8	658.8	378.9	60.0	43.0	43.0	44.0
22.5°	761.7	714.8	657.8	336.9	44.0	41.0	42.0	43.0
25°	774.7	722.8	648.8	286.9	38.0	40.0	42.0	42.0
27.5°	772.7	725.8	640.8	229.9	36.0	39.0	41.0	43.0
30°	761.7	717.8	622.8	169.9	34.0	38.0	41.0	43.0
32.5°	742.7	686.8	586.8	110.0	33.0	38.0	41.0	43.0
35°	680.8	636.8	534.8	53.0	32.0	37.0	42.0	43.0
37.5°	644.8	583.8	407.9	26.0	31.0	37.0	42.0	43.0
40°	586.8	435.9	183.9	24.0	31.0	37.0	42.0	44.0
42.5°	368.9	178.9	30.0	23.0	30.0	37.0	42.0	44.0
45°	135.0	24.0	16.0	23.0	30.0	36.0	42.0	44.0
47.5°	14.0	14.0	15.0	22.0	29.0	36.0	42.0	44.0
50°	13.0	14.0	15.0	21.0	28.0	36.0	41.0	44.0
52.5°	13.0	14.0	15.0	21.0	27.0	35.0	41.0	44.0
55°	13.0	14.0	14.0	20.0	26.0	34.0	40.0	42.0
57.5°	12.0	13.0	14.0	19.0	25.0	32.0	39.0	41.0
60°	12.0	13.0	14.0	17.0	24.0	30.0	37.0	38.0
62.5°	11.0	12.0	13.0	16.0	22.0	28.0	34.0	36.0
65°	11.0	11.0	12.0	14.0	20.0	25.0	31.0	33.0
67.5°	9.0	10.0	10.0	12.0	17.0	22.0	28.0	30.0
70°	8.0	8.0	9.0	11.0	15.0	19.0	24.0	26.0
72.5°	7.0	7.0	7.0	9.0	13.0	17.0	21.0	23.0
75°	6.0	6.0	6.0	7.0	11.0	14.0	18.0	19.0
77.5°	5.0	5.0	5.0	6.0	9.0	12.0	14.0	16.0
80°	4.0	4.0	4.0	5.0	7.0	9.0	11.0	12.0
82.5°	3.0	3.0	3.0	4.0	5.0	6.0	8.0	8.0
85°	2.0	2.0	2.0	3.0	3.0	4.0	5.0	5.0
87.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)