

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: P1310323

Luminaire Tested: P3SQAS13R709040DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310323
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: P3SQAS13R709040DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

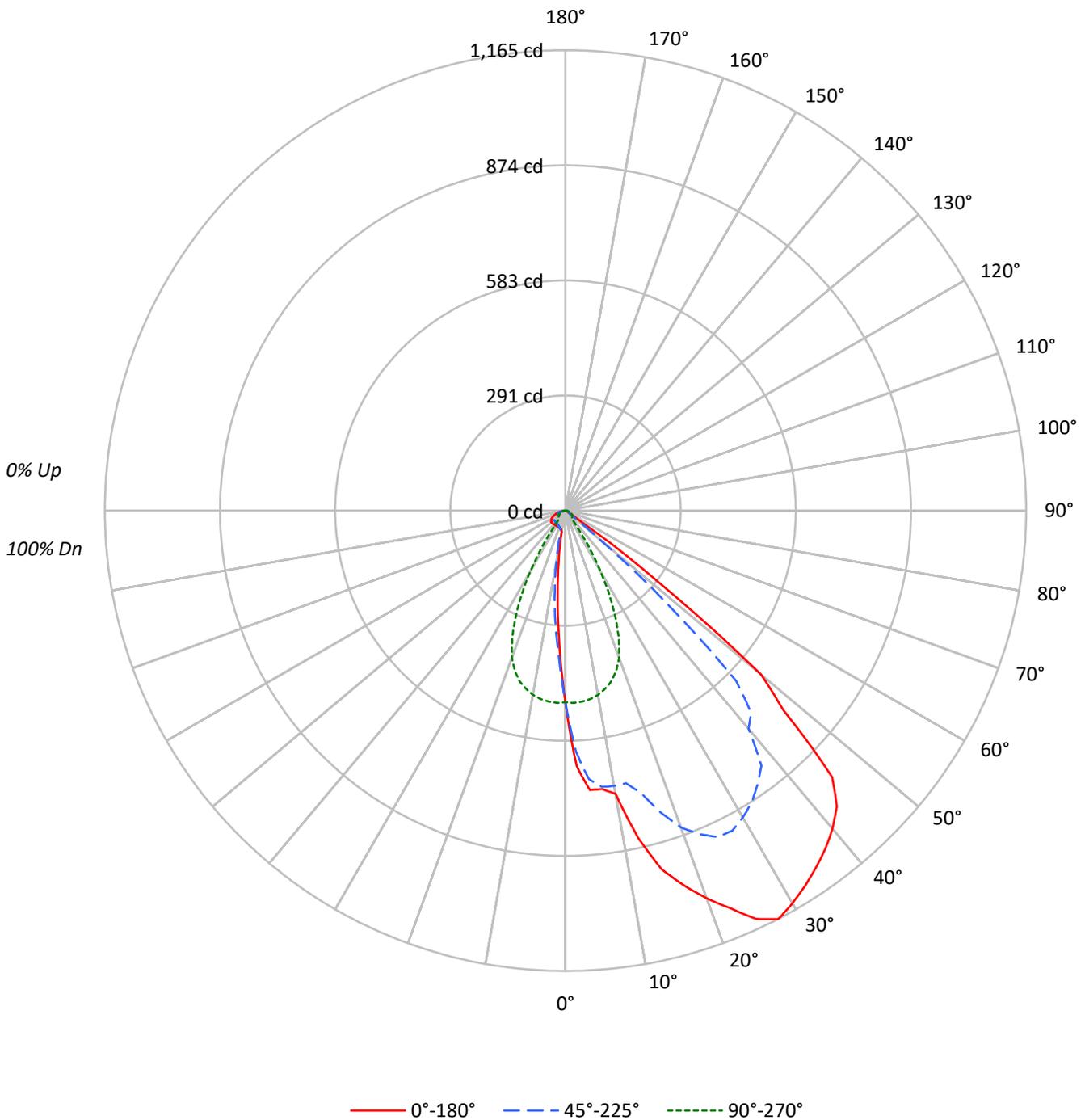
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 921.0 lumens
Efficiency: N/A
Efficacy: 63.1 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	83511	83511	83511	83511	83511
5°	122676	117974	83830	50049	39209
10°	127207	123727	82788	23941	9688
15°	167511	131923	79753	8576	8380
20°	191340	156297	72595	8229	8431
25°	216649	173171	56989	7943	8342
30°	228198	178323	35338	7895	8929
35°	232026	177972	11648	8136	9440
40°	236129	161871	5643	8701	10342
45°	232380	148644	5845	9158	11204
50°	172762	27436	5868	10074	12325
55°	13812	3753	6275	10659	13181
60°	2893	3961	6131	10816	13674
65°	2975	3831	5950	10636	14059
70°	2618	3676	5791	10021	13696
75°	2063	3460	4858	9715	13242
80°	2083	3075	5157	9323	12397
85°	1976	4150	6126	8299	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 235181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	4.8
10°-20°	124.1	13.5
20°-30°	208.3	22.6
30°-40°	250.6	27.2
40°-50°	198.6	21.6
50°-60°	63.5	6.9
60°-70°	17.8	1.9
70°-80°	10.6	1.1
80°-90°	3.3	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°	376.6	40.9
0°-40°	627.2	68.1
0°-60°	889.3	96.6
0°-90°	921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	485	485	485	485	485	
5°	710	682	485	290	227	67
15°	940	740	447	48	47	264
25°	1140	911	300	42	44	521
35°	1104	846	55	39	45	691
45°	954	610	24	38	46	685
55°	46	12	21	36	44	144
65°	7	9	15	26	34	7
75°	3	5	7	15	20	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°	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9
2.5°	646.9	651.1	651.1	645.8	647.9	639.6	633.3	623.9	621.8	610.3	595.7
5°	709.6	707.5	707.5	703.3	705.4	702.3	699.1	697.0	690.8	682.4	674.1
7.5°	710.6	712.7	713.8	712.7	716.9	713.8	713.8	713.8	709.6	705.4	697.0
10°	727.4	724.2	721.1	713.8	709.6	706.5	706.5	707.5	709.6	707.5	702.3
12.5°	847.5	836.0	830.8	813.0	799.5	776.5	750.3	730.5	712.7	706.5	702.3
15°	939.5	937.4	927.0	910.2	893.5	866.3	836.0	805.7	773.3	739.9	715.9
17.5°	993.8	989.7	979.2	961.4	941.6	916.5	892.5	869.5	838.1	800.5	761.8
20°	1044.0	1034.6	1021.0	1000.1	980.3	956.2	930.1	908.1	882.0	852.8	807.8
22.5°	1088.9	1080.6	1058.6	1030.4	1010.6	987.6	964.6	943.7	919.6	886.2	845.4
25°	1140.1	1121.3	1085.8	1049.2	1025.2	1006.4	989.7	972.9	947.9	911.3	863.2
27.5°	1165.2	1139.1	1100.4	1063.9	1040.9	1021.0	1003.2	986.5	958.3	913.4	858.0
30°	1147.5	1132.8	1105.7	1077.4	1058.6	1039.8	1018.9	993.8	948.9	896.7	845.4
32.5°	1126.6	1119.2	1106.7	1090.0	1078.5	1059.7	1030.4	989.7	927.0	875.8	820.4
35°	1103.6	1100.4	1096.3	1088.9	1081.6	1063.9	1027.3	967.7	905.0	846.5	793.2
37.5°	1079.5	1076.4	1079.5	1078.5	1072.2	1049.2	993.8	938.5	873.7	814.1	710.6
40°	1050.3	1048.2	1053.4	1058.6	1051.3	1021.0	961.4	894.6	837.1	720.0	684.5
42.5°	1015.8	1014.7	1024.1	1028.3	1017.9	972.9	902.9	853.8	732.6	695.0	611.4
45°	954.1	956.2	960.4	965.6	959.4	910.2	846.5	756.6	703.3	610.3	348.0
47.5°	747.2	749.3	770.2	814.1	844.4	827.7	773.3	706.5	629.1	349.0	109.7
50°	644.8	642.7	643.8	654.2	678.2	701.2	684.5	647.9	375.2	102.4	13.6
52.5°	283.2	314.6	348.0	442.1	502.7	566.4	579.0	405.5	122.3	13.6	13.6
55°	46.0	48.1	60.6	88.8	159.9	241.4	292.6	135.9	12.5	12.5	12.5
57.5°	9.4	9.4	9.4	10.5	15.7	33.4	38.7	11.5	11.5	11.5	12.5
60°	8.4	8.4	8.4	8.4	9.4	9.4	9.4	10.5	10.5	11.5	11.5
62.5°	8.4	8.4	8.4	8.4	8.4	8.4	9.4	9.4	10.5	10.5	11.5
65°	7.3	7.3	7.3	7.3	8.4	8.4	8.4	8.4	9.4	9.4	10.5
67.5°	6.3	6.3	6.3	6.3	7.3	7.3	7.3	8.4	8.4	8.4	9.4
70°	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3	7.3	7.3	7.3
72.5°	4.2	4.2	4.2	4.2	5.2	5.2	5.2	5.2	6.3	6.3	6.3
75°	3.1	3.1	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2	5.2
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2	4.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1
82.5°	1.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1
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°	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9
2.5°	586.3	571.6	551.8	487.0	427.4	373.1	345.9	342.8
5°	660.5	646.9	613.4	484.9	371.0	289.5	240.4	226.8
7.5°	688.7	677.2	647.9	480.7	317.7	208.0	152.6	131.7
10°	696.0	688.7	663.6	473.4	262.3	136.9	72.1	55.4
12.5°	699.1	693.9	669.9	461.9	206.9	71.1	49.1	49.1
15°	704.4	699.1	676.1	447.3	152.6	48.1	47.0	47.0
17.5°	727.4	710.6	684.5	425.3	100.3	46.0	46.0	46.0
20°	765.0	728.4	688.7	396.1	62.7	44.9	44.9	46.0
22.5°	796.3	747.2	687.6	352.2	46.0	42.8	43.9	44.9
25°	809.9	755.6	678.2	299.9	39.7	41.8	43.9	43.9
27.5°	807.8	758.7	669.9	240.4	37.6	40.8	42.8	44.9
30°	796.3	750.3	651.1	177.7	35.5	39.7	42.8	44.9
32.5°	776.5	717.9	613.4	115.0	34.5	39.7	42.8	44.9
35°	711.7	665.7	559.1	55.4	33.4	38.7	43.9	44.9
37.5°	674.1	610.3	426.4	27.2	32.4	38.7	43.9	44.9
40°	613.4	455.6	192.3	25.1	32.4	38.7	43.9	46.0
42.5°	385.6	187.1	31.4	24.0	31.4	38.7	43.9	46.0
45°	141.1	25.1	16.7	24.0	31.4	37.6	43.9	46.0
47.5°	14.6	14.6	15.7	23.0	30.3	37.6	43.9	46.0
50°	13.6	14.6	15.7	21.9	29.3	37.6	42.8	46.0
52.5°	13.6	14.6	15.7	21.9	28.2	36.6	42.8	46.0
55°	13.6	14.6	14.6	20.9	27.2	35.5	41.8	43.9
57.5°	12.5	13.6	14.6	19.9	26.1	33.4	40.8	42.8
60°	12.5	13.6	14.6	17.8	25.1	31.4	38.7	39.7
62.5°	11.5	12.5	13.6	16.7	23.0	29.3	35.5	37.6
65°	11.5	11.5	12.5	14.6	20.9	26.1	32.4	34.5
67.5°	9.4	10.5	10.5	12.5	17.8	23.0	29.3	31.4
70°	8.4	8.4	9.4	11.5	15.7	19.9	25.1	27.2
72.5°	7.3	7.3	7.3	9.4	13.6	17.8	21.9	24.0
75°	6.3	6.3	6.3	7.3	11.5	14.6	18.8	19.9
77.5°	5.2	5.2	5.2	6.3	9.4	12.5	14.6	16.7
80°	4.2	4.2	4.2	5.2	7.3	9.4	11.5	12.5
82.5°	3.1	3.1	3.1	4.2	5.2	6.3	8.4	8.4
85°	2.1	2.1	2.1	3.1	3.1	4.2	5.2	5.2
87.5°	1.0	1.0	1.0	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)