

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: P1309024

Luminaire Tested: P3SQAS09R609035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309024
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: P3SQAS09R609035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

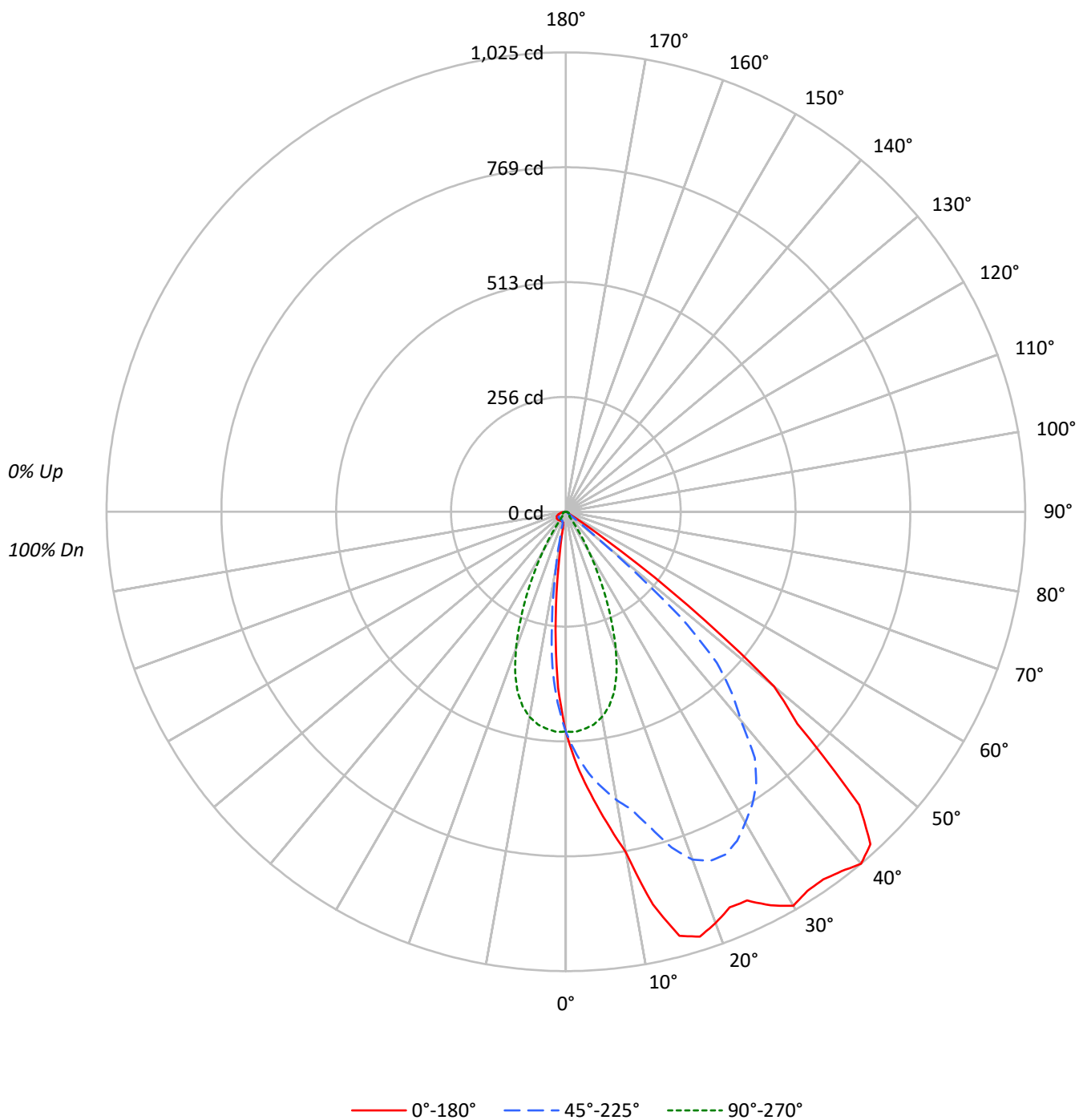
Lumens per Lamp: N/A
Luminaire Lumens: 797.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	0
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	41	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°	84492	84492	84492	84492	84492
5°	109139	101343	84037	59834	45658
10°	134885	114214	81319	22629	6715
15°	174679	129997	74190	4957	4422
20°	179005	151422	59711	4142	4270
25°	181875	160287	40039	4010	4295
30°	201868	159212	20642	4037	4494
35°	210560	155665	5698	4268	4899
40°	230419	136511	2698	4564	5418
45°	225414	116007	2752	4944	6040
50°	162500	28642	3028	5439	6645
55°	31167	1802	3153	5885	7446
60°	1550	1826	3100	6234	8026
65°	1549	1834	3056	6439	8599
70°	1511	1913	3021	6445	8711
75°	1530	1996	2994	6521	8983
80°	793	2281	2975	6744	8926
85°	1581	1581	2964	5928	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 225414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	5.4
10°-20°	117.8	14.8
20°-30°	181.3	22.7
30°-40°	212.7	26.7
40°-50°	170.6	21.4
50°-60°	53.0	6.6
60°-70°	10.0	1.3
70°-80°	6.7	0.8
80°-90°	2.3	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°	341.7	42.9
0°-40°	554.5	69.6
0°-60°	778.0	97.6
0°-90°	797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	491	491	491	491	491	
5°	631	586	486	346	264	64
15°	980	729	416	28	25	268
25°	957	844	211	21	23	452
35°	1002	740	27	20	23	634
45°	926	476	11	20	25	662
55°	104	6	10	20	25	164
65°	4	4	8	16	21	4
75°	2	3	4	10	14	2
85°	1	1	2	3	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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	565.9	559.8	559.8	557.6	555.3	556.1	550.1	552.3	546.3	541.8	538.0
5°	631.3	623.8	623.0	619.3	615.5	612.5	605.0	600.5	591.4	586.2	574.9
7.5°	699.0	693.0	689.3	684.7	678.0	670.4	657.7	649.4	635.1	620.8	606.5
10°	771.3	766.0	757.7	752.5	733.7	721.6	704.3	693.0	672.0	653.1	631.3
12.5°	897.7	894.7	878.9	868.3	841.3	817.2	779.6	749.5	711.8	681.0	651.6
15°	979.7	975.9	967.7	957.9	940.6	913.5	879.6	837.5	784.8	729.1	679.5
17.5°	994.0	994.8	989.5	987.2	975.9	958.6	931.6	900.0	847.3	785.6	717.9
20°	976.7	982.7	981.2	985.7	988.0	981.2	963.2	932.3	886.4	826.2	750.2
22.5°	955.6	960.9	959.4	967.7	980.5	987.2	981.2	956.4	909.7	842.8	768.3
25°	957.1	960.9	949.6	954.9	971.4	988.0	988.7	966.9	916.5	843.5	766.8
27.5°	990.2	979.0	953.4	951.1	971.4	992.5	994.0	966.9	906.7	827.7	751.7
30°	1015.1	1006.8	978.2	974.4	994.0	1008.3	1000.8	958.6	883.4	800.6	729.9
32.5°	1003.0	1004.5	992.5	1004.5	1030.1	1036.1	1004.5	939.1	851.0	774.3	704.3
35°	1001.5	1007.6	1014.3	1033.1	1050.4	1036.1	985.7	902.2	816.4	740.4	664.4
37.5°	1010.6	1020.3	1030.1	1046.7	1046.7	1009.8	936.1	855.6	775.0	692.3	581.7
40°	1024.9	1030.9	1033.9	1032.4	1012.1	957.9	879.6	799.1	722.4	607.2	526.7
42.5°	1006.0	1005.3	1002.3	989.5	951.9	881.1	808.1	742.7	621.5	547.8	456.0
45°	925.5	925.5	917.3	896.9	862.3	803.6	738.9	643.4	566.6	476.3	338.6
47.5°	700.5	695.3	704.3	716.3	716.3	711.1	652.4	569.6	491.4	343.9	108.4
50°	606.5	598.2	586.9	589.2	587.7	593.7	556.1	493.6	363.4	106.9	7.5
52.5°	343.1	358.2	395.0	447.0	470.3	478.6	455.2	375.5	122.7	6.8	6.0
55°	103.8	106.9	121.1	149.0	202.4	258.8	262.6	121.9	8.3	6.0	6.0
57.5°	4.5	4.5	6.0	9.0	21.1	31.6	33.9	7.5	5.3	6.0	6.0
60°	4.5	4.5	4.5	4.5	4.5	4.5	5.3	5.3	5.3	5.3	6.0
62.5°	3.8	3.8	4.5	4.5	4.5	4.5	4.5	4.5	5.3	5.3	5.3
65°	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	5.3
67.5°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.8
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
80°	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	490.6	490.6	490.6	490.6	490.6	490.6	490.6	490.6
2.5°	532.7	526.7	520.0	491.4	463.5	425.9	400.3	392.8
5°	565.1	555.3	540.3	486.1	420.6	346.1	285.9	264.1
7.5°	592.2	577.1	556.1	478.6	369.5	234.8	151.2	127.9
10°	611.8	592.9	565.9	465.0	301.7	129.4	51.2	38.4
12.5°	628.3	603.5	571.1	444.7	219.7	52.7	26.3	26.3
15°	639.6	609.5	573.4	416.1	142.2	27.8	24.8	24.8
17.5°	655.4	616.3	573.4	376.2	77.5	24.1	24.1	24.1
20°	681.0	623.0	565.1	325.8	42.9	22.6	23.3	23.3
22.5°	694.5	632.8	554.6	267.1	27.1	21.8	22.6	22.6
25°	697.5	631.3	532.0	210.7	21.8	21.1	21.8	22.6
27.5°	687.0	620.8	501.9	153.5	19.6	20.3	21.8	22.6
30°	668.2	595.2	453.7	103.8	18.1	20.3	21.8	22.6
32.5°	632.8	533.5	397.3	62.5	17.3	20.3	21.8	23.3
35°	553.8	468.8	332.6	27.1	16.6	20.3	22.6	23.3
37.5°	496.6	404.1	257.3	13.5	16.6	20.3	22.6	24.1
40°	433.4	325.1	118.9	12.0	16.6	20.3	22.6	24.1
42.5°	330.3	150.5	14.3	12.0	15.8	20.3	23.3	24.1
45°	120.4	15.8	7.5	11.3	15.8	20.3	23.3	24.8
47.5°	9.0	6.0	6.8	11.3	15.8	20.3	23.3	24.8
50°	6.0	6.0	6.8	11.3	15.8	20.3	23.3	24.8
52.5°	6.0	6.8	6.8	10.5	15.0	20.3	23.3	24.8
55°	6.0	6.8	6.8	10.5	15.0	19.6	23.3	24.8
57.5°	6.0	6.0	6.8	9.8	14.3	18.8	23.3	24.1
60°	6.0	6.0	6.8	9.0	13.5	18.1	21.8	23.3
62.5°	6.0	6.0	6.0	8.3	12.8	17.3	21.1	22.6
65°	5.3	5.3	6.0	7.5	11.3	15.8	19.6	21.1
67.5°	4.5	5.3	5.3	6.8	10.5	14.3	18.1	19.6
70°	4.5	4.5	4.5	6.0	9.0	12.8	16.6	17.3
72.5°	3.8	3.8	4.5	5.3	8.3	11.3	15.0	15.8
75°	3.0	3.8	3.8	4.5	6.8	9.8	12.8	13.5
77.5°	3.0	3.0	3.0	3.8	6.0	8.3	10.5	11.3
80°	2.3	2.3	2.3	3.0	4.5	6.8	8.3	9.0
82.5°	1.5	2.3	2.3	2.3	3.8	4.5	6.0	6.8
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	4.5
87.5°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)