

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: P1309031

Luminaire Tested: P3SQAS09R659035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R659035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

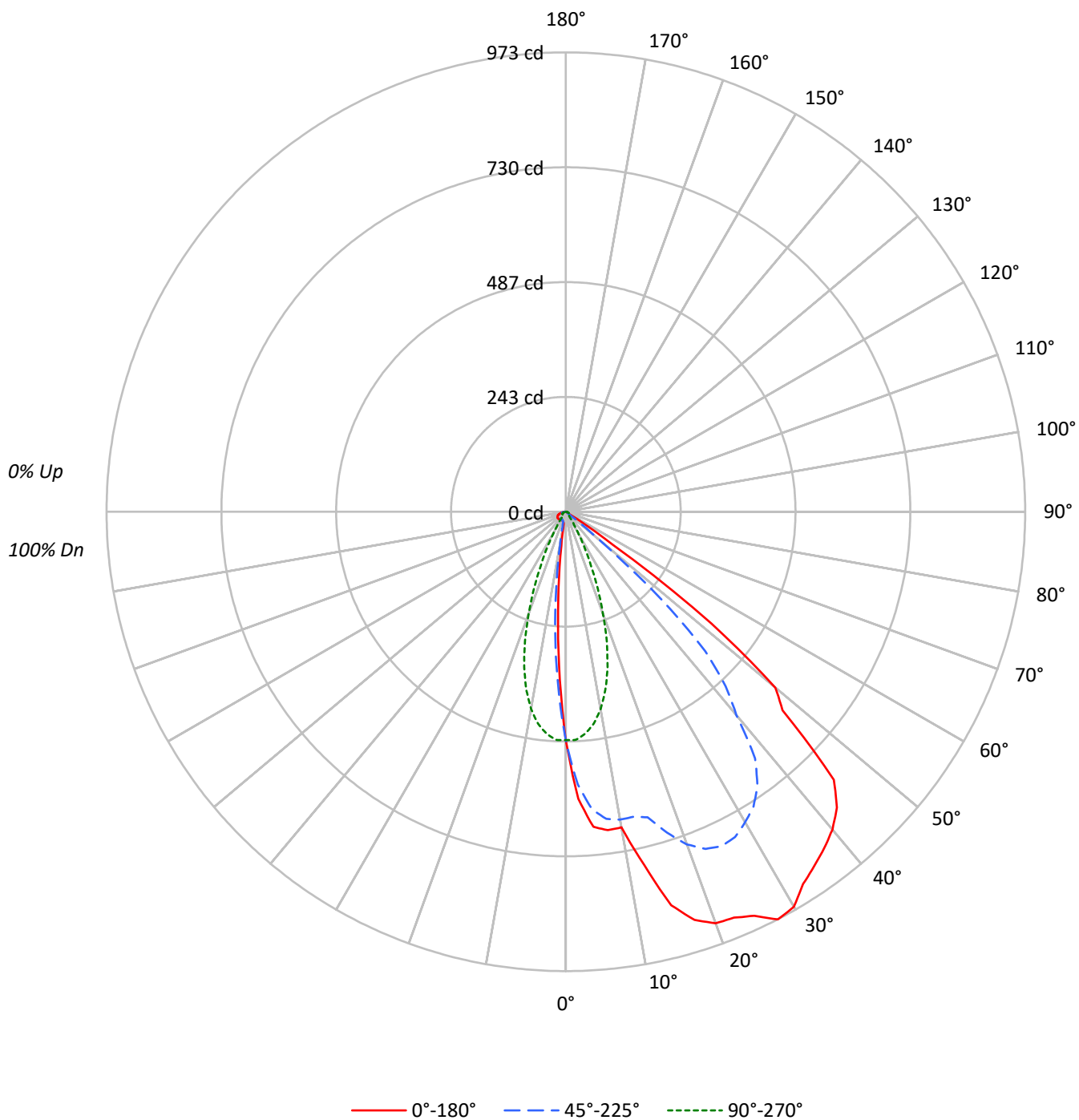
Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	83304	83304	83304	83304	83304
5°	115795	109278	81530	44811	31516
10°	118708	115823	74184	12521	4617
15°	153818	119424	60710	4030	3887
20°	169988	137402	42245	3592	3720
25°	179385	148468	23905	3439	3725
30°	192084	151019	10779	3440	3898
35°	192774	148748	3490	3637	4268
40°	197505	126372	2361	3889	4744
45°	195603	101832	2387	4214	5139
50°	155239	24033	2411	4635	5841
55°	36872	1351	2492	5195	6546
60°	1309	1550	2859	5442	6992
65°	1549	1549	2771	5827	7661
70°	1158	1511	2669	5690	7956
75°	998	1530	2529	5989	8052
80°	793	1488	2975	5951	8232
85°	1581	2964	2964	5928	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 195992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	5.6
10°-20°	106.3	14.7
20°-30°	167.0	23.0
30°-40°	191.0	26.3
40°-50°	153.5	21.2
50°-60°	49.9	6.9
60°-70°	8.9	1.2
70°-80°	5.9	0.8
80°-90°	2.1	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°	313.6	43.3
0°-40°	504.7	69.6
0°-60°	708.2	97.7
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	484	484	484	484	484	
5°	670	632	472	259	182	63
15°	863	670	340	23	22	240
25°	944	781	126	18	20	440
35°	917	708	17	17	20	576
45°	803	418	10	17	21	578
55°	123	4	8	17	22	176
65°	4	4	7	14	19	3
75°	2	2	4	9	12	2
85°	1	2	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°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7
2.5°	608.8	606.5	609.5	604.2	603.5	598.2	595.2	593.7	586.9	577.9	569.6
5°	669.8	660.8	663.0	662.3	658.5	656.2	653.2	649.5	640.4	632.1	621.6
7.5°	680.3	672.8	674.3	675.1	672.8	672.1	671.3	669.8	663.8	656.2	647.2
10°	678.8	671.3	670.5	668.3	666.0	666.8	666.8	666.8	665.3	662.3	659.2
12.5°	766.2	755.7	753.4	737.6	723.3	698.4	682.6	667.5	660.8	661.5	659.2
15°	862.7	861.9	854.4	839.3	815.2	792.6	756.4	729.3	694.7	669.8	659.2
17.5°	906.4	905.6	898.8	886.0	868.7	847.6	821.2	789.6	751.2	712.7	681.1
20°	927.5	932.7	925.2	914.7	898.1	878.5	853.6	825.0	788.8	749.7	712.0
22.5°	930.5	937.3	930.5	922.9	910.9	898.1	877.0	847.6	810.7	773.0	736.1
25°	944.0	946.3	932.0	922.2	910.9	901.8	885.3	859.7	822.0	781.3	745.1
27.5°	973.4	963.6	933.5	919.9	909.4	901.1	885.3	858.9	818.2	776.8	739.1
30°	965.9	962.1	935.8	922.9	913.9	905.6	886.0	852.1	803.1	759.4	720.3
32.5°	935.0	942.5	933.5	929.0	924.4	913.9	885.3	839.3	784.3	739.9	687.1
35°	916.9	926.0	926.7	926.7	921.4	905.6	871.7	820.5	765.5	707.5	636.6
37.5°	898.8	906.4	910.9	913.9	906.4	883.8	840.8	794.9	734.6	658.5	534.2
40°	878.5	883.8	887.5	889.0	877.7	848.4	809.2	757.2	689.4	562.1	476.9
42.5°	849.9	852.9	852.1	851.4	839.3	806.9	770.0	715.8	581.6	501.0	397.8
45°	803.1	800.1	804.7	804.7	788.8	764.7	715.8	610.3	520.6	418.1	256.2
47.5°	622.3	624.6	646.4	681.8	703.7	696.9	630.6	534.2	437.7	274.2	85.1
50°	579.4	577.1	577.9	581.6	583.9	565.1	517.6	451.3	289.3	89.7	6.0
52.5°	388.8	391.0	408.4	448.3	461.1	447.5	402.3	301.4	105.5	6.0	5.3
55°	122.8	131.1	140.9	162.0	198.9	222.3	217.7	107.0	6.8	4.5	5.3
57.5°	4.5	4.5	6.0	10.5	20.3	33.2	34.7	6.8	5.3	5.3	5.3
60°	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	4.5
62.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5
67.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8
70°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
80°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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	1.5	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°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7
2.5°	565.1	556.0	537.9	483.7	427.2	370.7	335.3	326.2
5°	609.5	599.0	573.4	471.6	357.1	259.2	203.4	182.3
7.5°	636.6	623.8	593.7	452.8	278.0	150.7	90.4	72.3
10°	648.7	637.4	603.5	424.2	201.2	71.6	31.6	26.4
12.5°	654.0	644.9	607.3	386.5	131.1	31.6	23.4	22.6
15°	656.2	646.4	605.8	340.5	74.6	22.6	21.8	21.8
17.5°	658.5	647.2	596.7	287.8	41.4	21.1	20.3	21.1
20°	676.6	644.2	580.9	230.5	27.1	19.6	19.6	20.3
22.5°	694.7	643.4	553.0	176.3	21.1	18.8	19.6	19.6
25°	700.7	635.9	517.6	125.8	18.1	18.1	18.8	19.6
27.5°	689.4	614.0	470.1	85.1	15.8	18.1	18.8	19.6
30°	663.0	577.1	412.9	54.2	15.1	17.3	18.8	19.6
32.5°	614.0	504.0	348.8	32.4	14.3	17.3	19.6	19.6
35°	516.1	422.7	276.5	16.6	14.3	17.3	19.6	20.3
37.5°	451.3	352.6	192.9	11.3	14.3	17.3	19.6	20.3
40°	374.5	254.7	80.6	10.5	14.3	17.3	19.6	21.1
42.5°	259.2	110.8	12.8	9.8	13.6	17.3	20.3	21.1
45°	93.4	14.3	6.0	9.8	13.6	17.3	20.3	21.1
47.5°	8.3	5.3	6.0	9.8	13.6	17.3	20.3	21.8
50°	5.3	5.3	5.3	9.0	13.6	17.3	20.3	21.8
52.5°	5.3	5.3	5.3	9.0	12.8	17.3	21.1	21.8
55°	5.3	5.3	5.3	8.3	12.8	17.3	20.3	21.8
57.5°	5.3	5.3	6.0	8.3	12.8	16.6	20.3	21.1
60°	5.3	5.3	5.3	8.3	12.1	15.8	19.6	20.3
62.5°	4.5	5.3	5.3	7.5	11.3	15.1	18.8	19.6
65°	4.5	4.5	5.3	6.8	10.5	14.3	17.3	18.8
67.5°	3.8	4.5	4.5	6.0	9.0	12.8	15.8	17.3
70°	3.8	3.8	3.8	5.3	8.3	11.3	15.1	15.8
72.5°	3.0	3.8	3.8	4.5	6.8	9.8	12.8	14.3
75°	3.0	3.0	3.0	3.8	6.0	9.0	11.3	12.1
77.5°	2.3	2.3	3.0	3.0	5.3	6.8	9.8	10.5
80°	2.3	2.3	2.3	3.0	3.8	6.0	7.5	8.3
82.5°	1.5	1.5	1.5	2.3	3.0	3.8	5.3	6.0
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)