

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: P1307905

Luminaire Tested: P3SQAS09R609030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

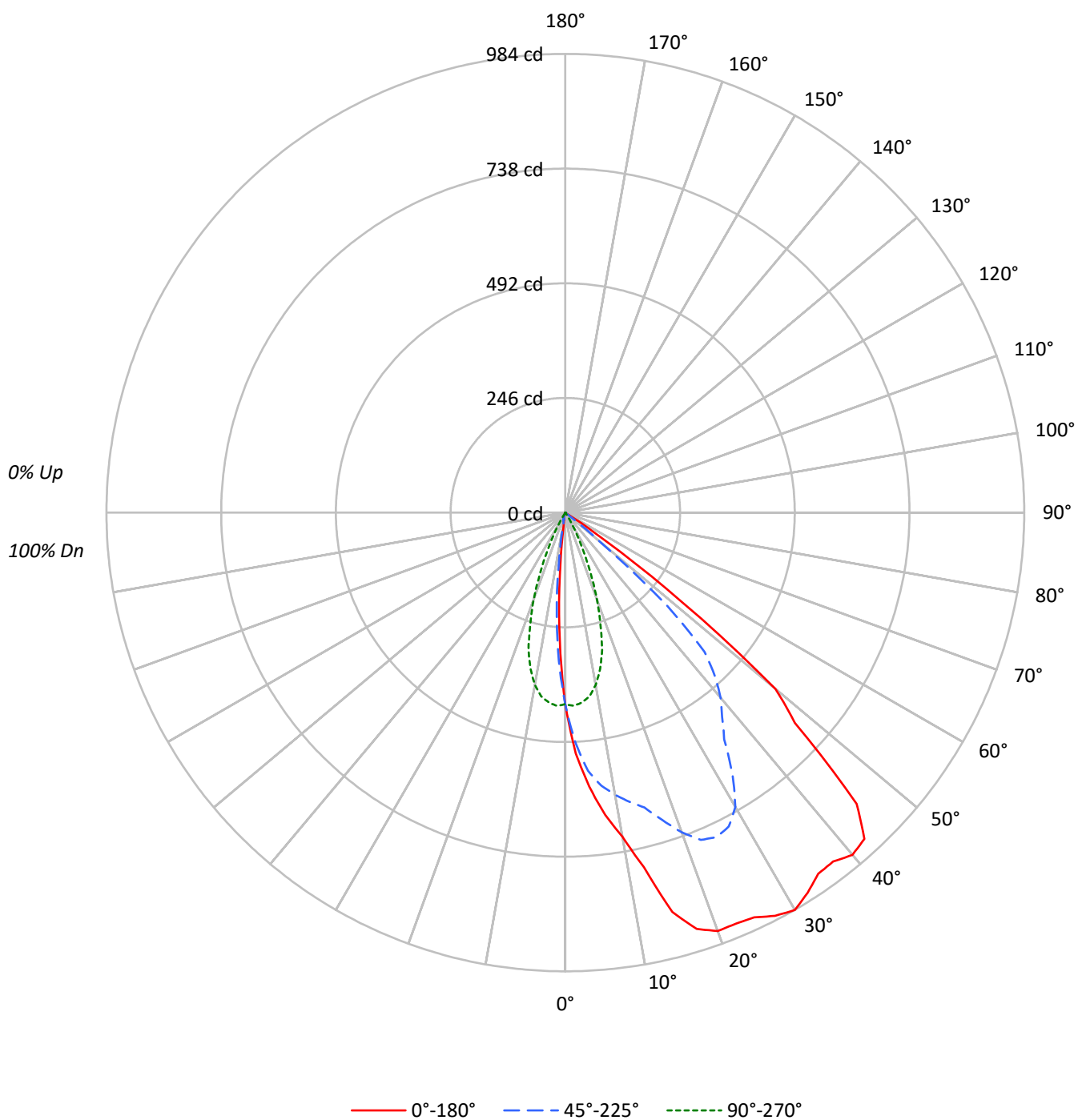
Lumens per Lamp: N/A
Luminaire Lumens: 668.0 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	70784	70784	70784	70784	70784
5°	102034	96087	70674	36409	23391
10°	123412	107428	65615	4354	2553
15°	158168	116696	54381	2871	2354
20°	175046	133754	36453	1613	275
25°	182046	145921	17920	133	0
30°	195743	144993	4952	0	0
35°	198808	124843	0	0	0
40°	215378	116412	0	0	0
45°	215161	102782	0	0	0
50°	157543	24891	0	0	0
55°	30747	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 215526 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	5.3
10°-20°	100.5	15.0
20°-30°	160.2	24.0
30°-40°	185.2	27.7
40°-50°	147.1	22.0
50°-60°	38.7	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	0.1
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°	296.0	44.3
0°-40°	481.1	72.0
0°-60°	666.9	99.8
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	411	411	411	411	411	
5°	590	556	409	211	135	60
15°	887	654	305	16	13	247
25°	958	768	94	1	0	447
35°	946	594	0	0	0	601
45°	883	422	0	0	0	629
55°	102	0	0	0	0	154
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
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°	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0
2.5°	517.0	522.2	520.0	517.8	512.6	510.5	510.5	504.6	495.1	493.6	487.1
5°	590.2	591.6	591.6	590.2	586.5	580.7	579.2	573.3	564.6	555.8	547.0
7.5°	653.8	653.1	648.7	645.7	639.2	631.1	623.8	615.8	602.6	590.9	578.5
10°	705.7	707.9	704.3	696.9	688.2	677.2	665.5	651.6	631.9	614.3	598.2
12.5°	778.8	778.1	768.6	756.2	735.0	714.5	696.2	680.8	656.7	635.5	615.8
15°	887.1	885.6	876.8	865.9	835.2	804.4	773.0	729.8	689.6	654.5	626.7
17.5°	936.1	939.0	931.7	925.8	908.3	887.8	860.0	816.9	754.7	691.1	632.6
20°	955.1	958.7	953.6	952.9	944.9	935.3	912.7	865.9	805.2	729.8	657.4
22.5°	954.4	957.3	955.1	964.6	974.1	969.0	941.2	894.4	832.2	759.8	677.9
25°	958.0	955.8	947.8	961.7	975.6	971.2	957.3	917.1	849.1	767.9	685.2
27.5°	974.8	958.7	942.7	960.2	966.8	968.3	960.2	912.7	846.1	759.1	670.6
30°	984.3	966.8	953.6	968.3	968.3	976.3	959.5	905.4	821.3	729.1	631.9
32.5°	966.8	963.1	974.8	989.5	993.1	993.1	955.8	881.2	779.6	667.7	569.7
35°	945.6	954.4	988.0	994.6	994.6	978.5	933.2	838.8	717.4	593.8	523.6
37.5°	943.4	957.3	994.6	986.5	973.4	943.4	877.6	765.0	628.9	552.1	489.2
40°	958.0	971.2	993.1	963.9	932.4	885.6	806.6	668.4	575.5	517.8	447.6
42.5°	949.2	961.7	962.4	919.3	874.6	811.0	706.4	590.2	536.8	473.9	400.0
45°	883.4	884.9	882.0	835.9	789.8	724.0	612.8	551.4	494.4	422.0	294.0
47.5°	667.7	664.8	675.7	662.6	664.8	625.3	556.5	506.1	438.1	296.2	89.2
50°	588.0	584.3	573.3	561.6	549.9	530.9	498.8	444.6	315.9	92.9	2.9
52.5°	315.2	332.7	367.1	419.8	439.5	438.1	413.9	329.1	99.5	0.7	0.0
55°	102.4	100.9	112.6	133.1	182.8	210.6	219.4	111.9	2.2	0.0	0.0
57.5°	0.0	0.0	0.0	2.2	7.3	19.0	24.9	1.5	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0
2.5°	478.3	468.0	456.3	414.7	365.7	318.1	283.7	275.0
5°	533.1	515.6	490.7	408.8	302.0	210.6	150.6	135.3
7.5°	561.6	546.3	520.0	397.1	234.0	103.8	38.8	26.3
10°	579.2	560.9	531.7	375.2	152.8	24.9	13.9	14.6
12.5°	591.6	570.4	537.5	343.7	77.5	12.4	17.6	18.3
15°	596.7	574.1	536.8	305.0	27.8	16.1	15.4	13.2
17.5°	593.8	565.3	527.3	249.4	9.5	15.4	8.0	6.6
20°	590.2	558.0	511.9	198.9	8.0	8.8	2.9	1.5
22.5°	601.9	545.6	490.7	142.6	8.0	2.9	0.0	0.0
25°	603.3	540.4	463.7	94.3	3.7	0.7	0.0	0.0
27.5°	588.7	510.5	422.0	55.6	0.0	0.0	0.0	0.0
30°	541.9	473.2	377.4	24.9	0.0	0.0	0.0	0.0
32.5°	495.8	431.5	327.6	5.9	0.0	0.0	0.0	0.0
35°	459.3	388.3	272.8	0.0	0.0	0.0	0.0	0.0
37.5°	413.9	337.1	203.3	0.0	0.0	0.0	0.0	0.0
40°	366.4	272.0	101.7	0.0	0.0	0.0	0.0	0.0
42.5°	285.9	129.4	10.2	0.0	0.0	0.0	0.0	0.0
45°	109.7	11.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)