

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: P1311231

Luminaire Tested: P3SQAS09R709050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R709050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

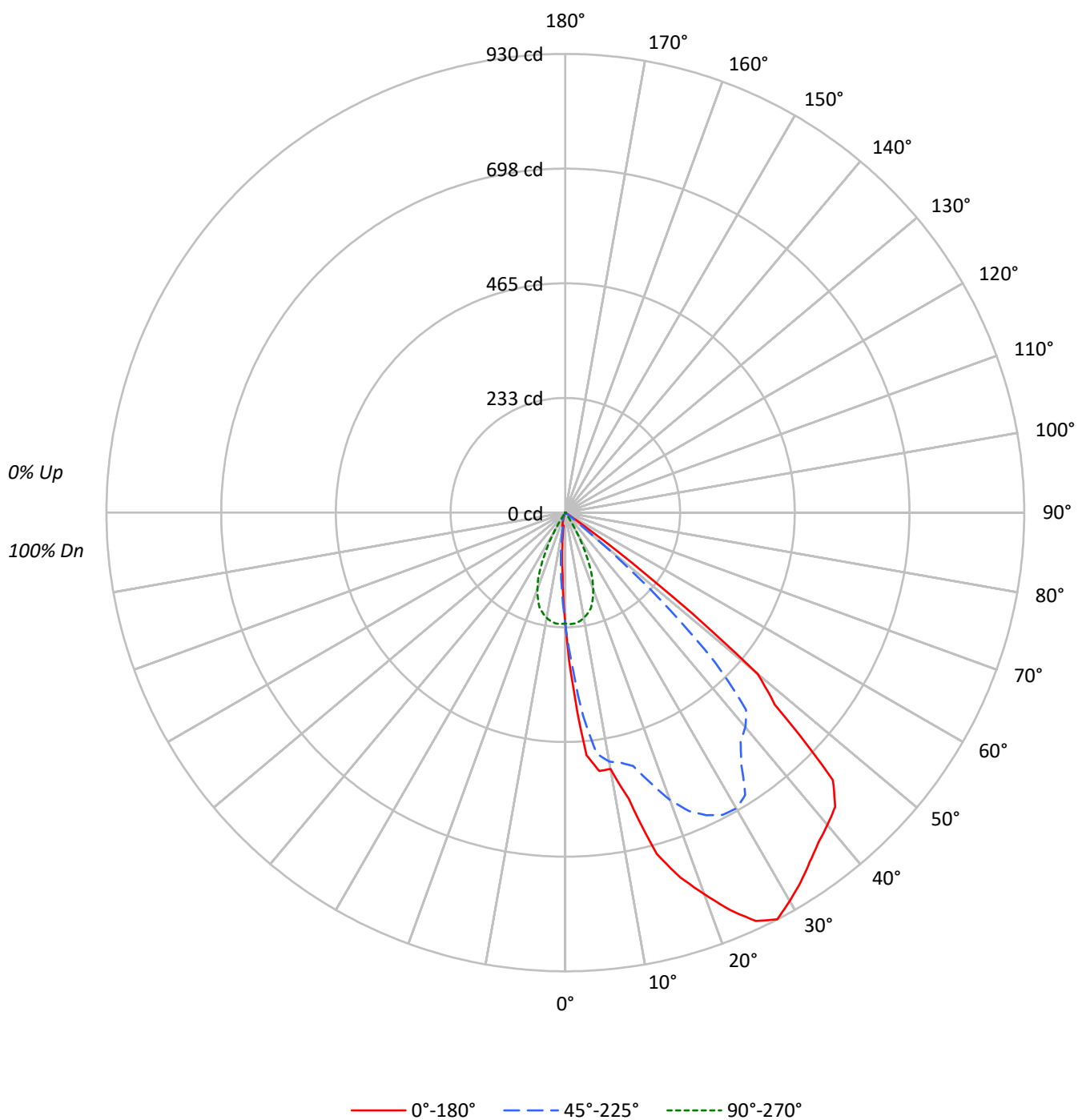
Lumens per Lamp: N/A
Luminaire Lumens: 605.1 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38664	38664	38664	38664	38664
5°	85317	71590	38967	17720	11652
10°	92266	89591	37931	4932	5072
15°	127715	94837	35767	5028	3655
20°	150836	113594	30350	2969	1100
25°	173589	128648	21416	494	0
30°	180809	137695	9844	0	0
35°	181652	130499	547	0	0
40°	185792	127631	0	0	0
45°	186737	104584	0	0	0
50°	136323	21729	0	0	0
55°	7687	0	0	0	0
60°	0	310	310	0	0
65°	0	0	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	893	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 190269 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	4.1
10°-20°	82.0	13.6
20°-30°	147.4	24.4
30°-40°	179.2	29.6
40°-50°	138.4	22.9
50°-60°	32.2	5.3
60°-70°	0.2	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	254.0	42.0
0°-40°	433.3	71.6
0°-60°	603.9	99.8
0°-90°	605.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	224	224	224	224	224	
5°	494	414	225	102	67	47
15°	716	532	201	28	20	200
25°	914	677	113	3	0	416
35°	864	621	3	0	0	543
45°	767	429	0	0	0	542
55°	26	0	0	0	0	105
65°	0	0	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°	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5
2.5°	350.0	350.0	351.7	350.9	343.2	339.8	328.7	322.7	321.0	307.4	302.2
5°	493.5	494.3	490.1	489.2	480.7	474.7	465.3	450.8	436.3	414.1	394.4
7.5°	528.5	527.6	526.8	526.8	525.1	521.6	517.4	513.1	507.1	493.5	478.1
10°	527.6	527.6	526.8	526.8	525.9	526.8	525.9	523.3	520.8	512.3	503.7
12.5°	594.2	589.1	582.3	572.0	554.9	542.1	527.6	523.3	521.6	519.1	514.0
15°	716.3	712.0	697.5	679.6	662.5	633.5	610.4	578.8	554.1	531.9	520.8
17.5°	775.2	777.8	761.5	750.4	734.2	711.2	683.9	651.4	616.4	574.6	541.3
20°	823.0	825.6	811.9	800.8	782.0	758.1	734.2	699.2	665.9	619.8	576.3
22.5°	871.7	873.4	860.6	844.4	823.0	798.3	767.5	731.7	695.8	654.8	608.7
25°	913.5	911.8	890.5	867.4	846.9	820.5	790.6	755.6	721.4	677.0	633.5
27.5°	929.7	928.9	905.0	882.8	858.9	823.0	796.6	765.8	730.0	690.7	646.3
30°	909.2	922.9	907.5	891.3	862.3	826.4	800.8	764.1	730.8	692.4	642.0
32.5°	887.9	905.0	899.9	892.2	858.0	829.8	796.6	762.4	723.1	678.7	601.9
35°	864.0	881.9	882.8	874.2	843.5	815.3	784.6	748.7	704.3	620.7	564.3
37.5°	842.7	859.7	864.9	846.9	823.0	785.5	757.3	719.7	639.5	583.1	554.1
40°	826.4	839.2	846.9	818.7	794.8	758.1	725.7	659.9	587.4	567.7	526.8
42.5°	809.4	821.3	824.7	794.0	757.3	722.3	675.3	592.5	571.2	542.1	432.0
45°	766.7	781.2	772.6	742.8	715.4	678.7	608.7	572.9	549.8	429.4	265.5
47.5°	575.4	591.6	614.7	623.2	632.6	606.2	567.7	554.9	451.6	260.4	82.8
50°	508.8	506.3	506.3	510.5	518.2	526.8	537.9	467.9	271.5	81.1	0.0
52.5°	207.5	217.7	268.1	313.3	365.4	417.5	433.7	286.9	105.9	1.7	0.0
55°	25.6	25.6	35.9	61.5	101.6	163.9	184.4	92.2	7.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	6.8	18.8	12.8	3.4	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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°	224.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5
2.5°	293.7	283.4	268.9	226.2	189.5	157.1	138.3	128.9
5°	375.7	350.9	317.6	225.4	153.7	102.5	76.8	67.4
7.5°	454.2	426.0	369.7	222.0	117.8	59.8	33.3	26.5
10°	488.3	467.9	417.5	216.9	85.4	28.2	28.2	29.0
12.5°	502.0	486.6	445.7	209.2	56.3	27.3	29.0	27.3
15°	511.4	496.9	459.3	200.6	32.4	28.2	23.1	20.5
17.5°	516.5	499.4	463.6	184.4	21.3	23.9	14.5	12.0
20°	532.7	505.4	467.0	165.6	20.5	16.2	7.7	6.0
22.5°	560.1	517.4	467.9	142.6	16.2	9.4	2.6	0.0
25°	584.8	533.6	470.4	112.7	5.1	2.6	0.0	0.0
27.5°	596.8	538.7	469.6	79.4	0.0	0.0	0.0	0.0
30°	582.3	525.9	461.9	49.5	0.0	0.0	0.0	0.0
32.5°	548.1	516.5	438.0	21.3	0.0	0.0	0.0	0.0
35°	537.0	496.0	383.3	2.6	0.0	0.0	0.0	0.0
37.5°	512.3	437.1	281.7	0.0	0.0	0.0	0.0	0.0
40°	440.5	315.9	134.0	0.0	0.0	0.0	0.0	0.0
42.5°	291.1	134.9	7.7	0.0	0.0	0.0	0.0	0.0
45°	102.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.7	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°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
67.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
70°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)