

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: P1317028

Luminaire Tested: P3SQAS09R559830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R559830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

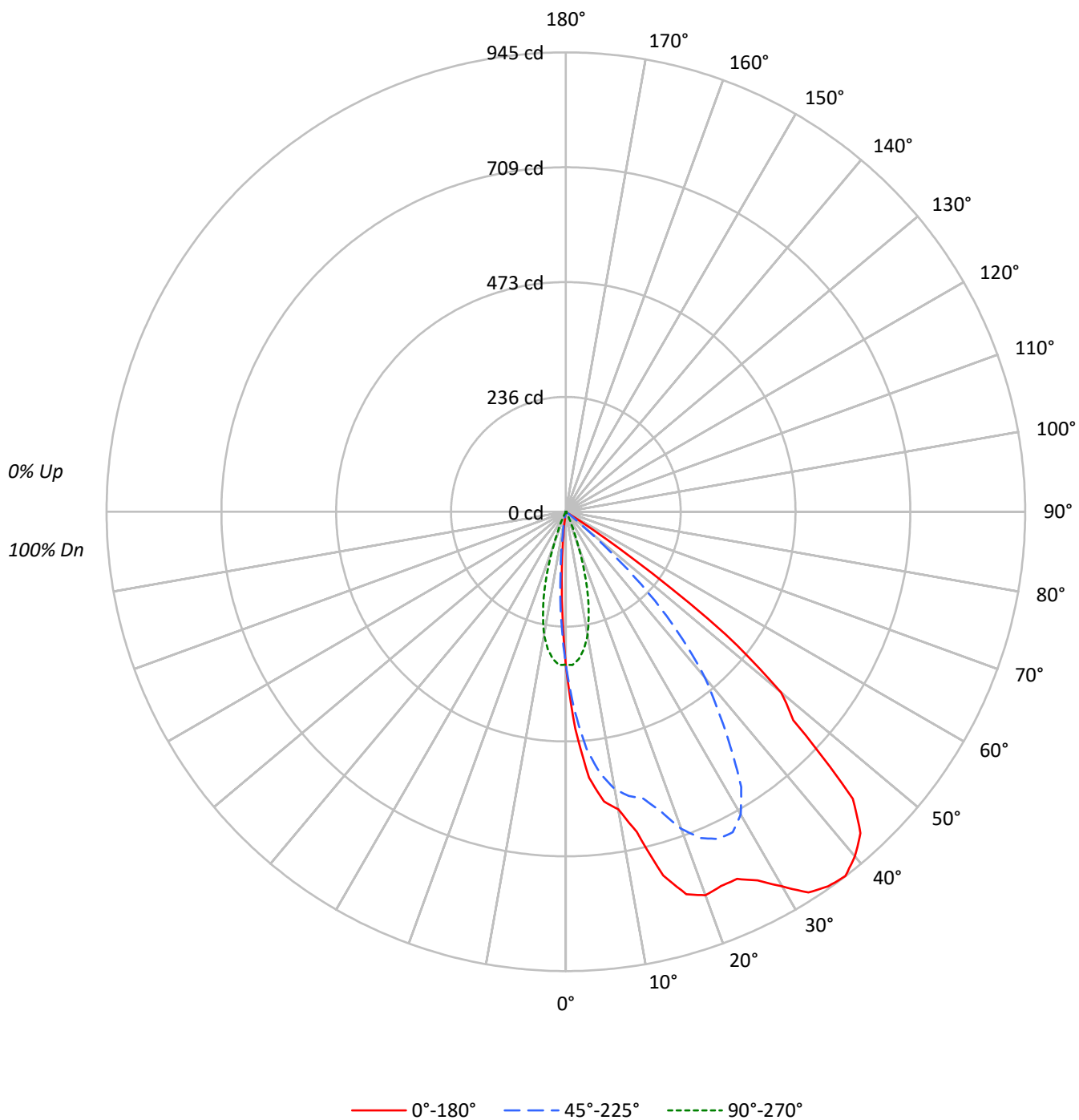
Lumens per Lamp: N/A
Luminaire Lumens: 581.9 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54164	54164	54164	54164	54164
5°	94929	84625	52573	21835	12568
10°	108653	101290	44962	2396	857
15°	138092	108726	30810	481	285
20°	153860	127212	13526	0	0
25°	158387	141133	3839	0	0
30°	176970	143024	537	0	0
35°	197777	124192	0	0	0
40°	208049	99978	0	0	0
45°	203421	63131	0	0	0
50°	154891	12887	0	0	0
55°	50744	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	1091	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 203421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	4.9
10°-20°	84.2	14.5
20°-30°	136.9	23.5
30°-40°	162.8	28.0
40°-50°	133.1	22.9
50°-60°	35.3	6.1
60°-70°	0.2	0.0
70°-80°	0.3	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°	249.9	42.9
0°-40°	412.6	70.9
0°-60°	581.0	99.8
0°-90°	581.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	314	314	314	314	314	
5°	549	490	304	126	73	54
15°	774	610	173	3	2	217
25°	834	743	20	0	0	393
35°	941	591	0	0	0	585
45°	835	259	0	0	0	599
55°	169	0	0	0	0	190
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	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°	67.5°
0°	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5	314.5
2.5°	446.3	443.0	443.6	441.9	443.6	436.5	428.8	421.7	416.2	408.6	362.1
5°	549.1	543.7	542.0	539.8	537.6	528.9	521.8	513.0	502.6	489.5	404.2
7.5°	601.1	596.7	594.5	595.6	590.7	587.4	578.1	568.3	557.3	543.1	435.9
10°	621.3	616.9	616.4	615.8	615.3	613.1	608.7	600.0	590.1	579.2	454.0
12.5°	674.4	664.5	658.0	650.3	641.0	629.0	619.1	611.5	607.6	598.9	462.2
15°	774.5	765.2	758.1	748.2	730.7	705.0	681.5	651.4	625.1	609.8	458.9
17.5°	824.8	820.4	814.4	807.8	795.8	777.2	753.1	721.4	688.0	644.8	443.0
20°	839.5	837.4	833.0	830.2	822.0	808.9	792.5	767.9	736.7	694.1	418.4
22.5°	833.5	835.2	837.4	844.5	845.6	836.3	820.9	797.4	765.7	726.3	380.7
25°	833.5	832.4	832.4	847.2	856.5	852.1	841.2	819.9	787.6	742.7	334.2
27.5°	854.9	848.3	834.6	849.9	865.3	863.6	853.8	828.6	792.5	743.3	277.3
30°	889.9	875.6	853.2	867.4	881.7	875.6	859.8	827.5	781.6	719.2	207.8
32.5°	928.7	922.1	910.6	919.9	917.8	893.7	865.3	820.4	759.1	671.1	140.0
35°	940.7	941.8	934.2	932.5	919.9	895.3	865.3	800.2	712.1	590.7	83.1
37.5°	944.6	945.1	933.1	917.8	899.2	870.2	834.1	758.6	625.1	513.0	44.3
40°	925.4	924.9	905.2	886.6	865.8	837.4	784.9	671.1	542.6	444.7	15.9
42.5°	897.0	889.9	871.3	848.3	823.1	787.6	705.5	566.6	471.5	356.1	1.1
45°	835.2	828.6	813.8	789.2	761.3	711.0	581.4	486.8	383.4	259.2	0.0
47.5°	635.0	631.7	647.0	650.3	649.8	592.3	485.1	397.1	281.7	151.0	0.0
50°	578.1	573.7	558.4	538.7	503.7	455.6	388.9	294.3	165.2	48.1	0.0
52.5°	415.1	429.3	432.6	417.9	385.0	337.5	268.0	169.5	57.4	0.0	0.0
55°	169.0	160.3	166.8	175.0	181.6	166.8	123.6	60.2	0.5	0.0	0.0
57.5°	0.0	0.5	3.3	7.7	12.6	15.9	17.0	1.1	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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):

	90°	112.5°	135°	157.5°	180°
0°	314.5	314.5	314.5	314.5	314.5
2.5°	315.6	266.9	219.9	194.2	181.6
5°	304.1	204.0	126.3	87.5	72.7
7.5°	285.0	140.0	50.3	20.8	14.8
10°	257.1	80.4	13.7	5.5	4.9
12.5°	217.1	36.6	4.9	3.8	3.8
15°	172.8	12.6	2.7	2.2	1.6
17.5°	121.4	3.3	1.1	0.0	0.0
20°	73.8	0.5	0.0	0.0	0.0
22.5°	41.0	0.0	0.0	0.0	0.0
25°	20.2	0.0	0.0	0.0	0.0
27.5°	8.8	0.0	0.0	0.0	0.0
30°	2.7	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	1.1	0.5	0.5	0.0	0.0
80°	1.1	0.5	0.5	0.0	0.0
82.5°	1.1	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.1	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)