

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: P1317757

Luminaire Tested: P3SQAS05R559835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317757
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: P3SQAS05R559835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

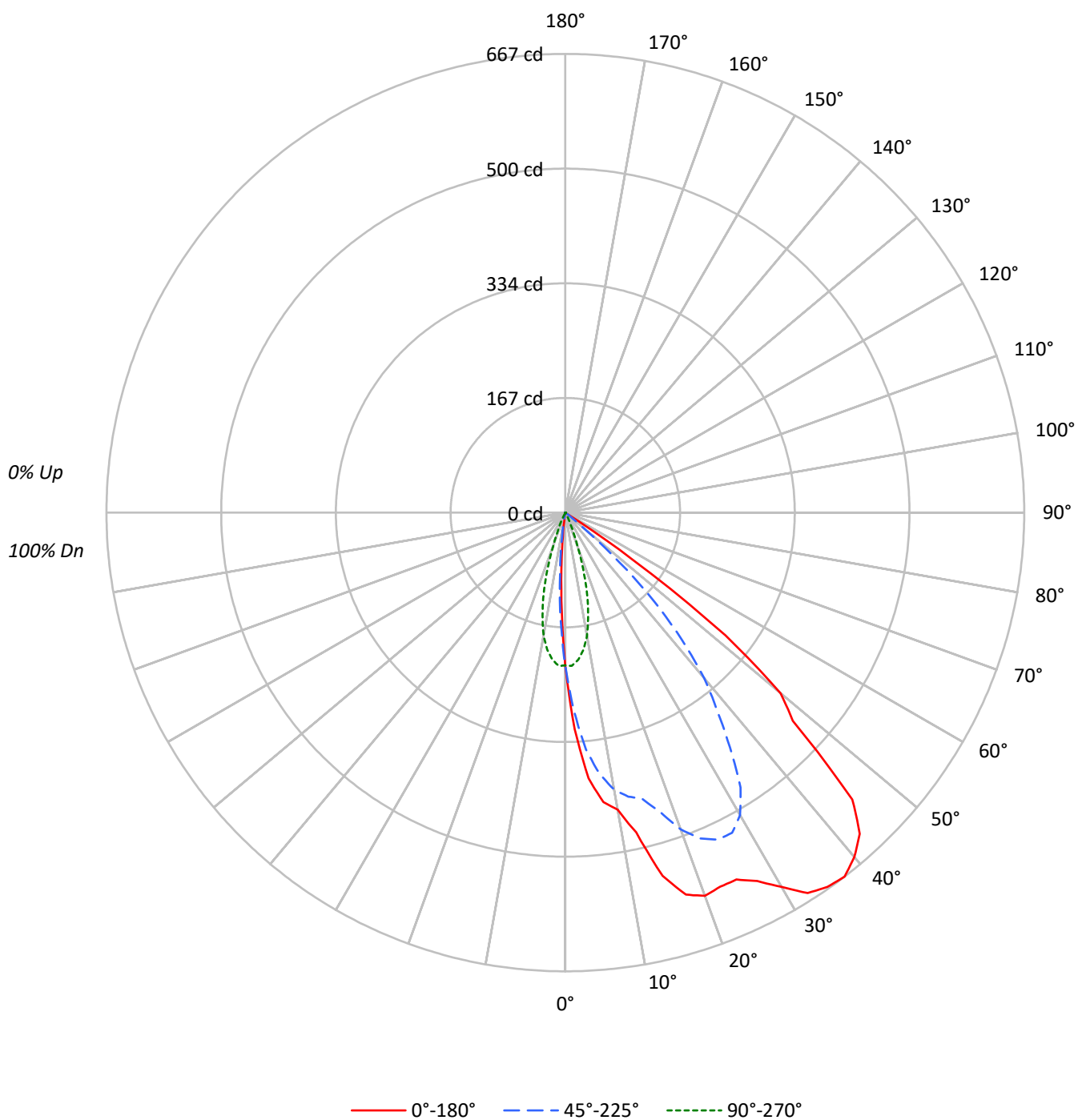
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	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°	38251	38251	38251	38251	38251
5°	67043	59765	37117	15421	8886
10°	76737	71526	31741	1696	612
15°	97511	76793	21770	339	214
20°	108664	89823	9549	0	0
25°	111850	99669	2717	0	0
30°	124967	101004	378	0	0
35°	139666	87693	0	0	0
40°	146920	70594	0	0	0
45°	143651	44596	0	0	0
50°	109396	9110	0	0	0
55°	35821	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	793	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 143651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	4.9
10°-20°	59.5	14.5
20°-30°	96.7	23.5
30°-40°	114.9	28.0
40°-50°	94.0	22.9
50°-60°	24.9	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	176.5	42.9
0°-40°	291.4	70.9
0°-60°	410.3	99.8
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	222	222	222	222	222	
5°	388	346	215	89	51	38
15°	547	431	122	2	1	153
25°	589	524	14	0	0	277
35°	664	417	0	0	0	413
45°	590	183	0	0	0	423
55°	119	0	0	0	0	134
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°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	315.2	312.9	313.2	312.1	313.2	308.2	302.8	297.8	293.9	288.5	255.7
5°	387.8	383.9	382.8	381.2	379.7	373.5	368.5	362.3	355.0	345.7	285.4
7.5°	424.5	421.4	419.8	420.6	417.1	414.8	408.3	401.3	393.6	383.5	307.8
10°	438.8	435.7	435.3	434.9	434.5	433.0	429.9	423.7	416.8	409.0	320.6
12.5°	476.2	469.3	464.6	459.2	452.7	444.2	437.2	431.8	429.1	422.9	326.4
15°	546.9	540.3	535.3	528.4	516.0	497.9	481.3	460.0	441.5	430.7	324.1
17.5°	582.4	579.4	575.1	570.5	562.0	548.8	531.8	509.4	485.9	455.4	312.9
20°	592.9	591.3	588.2	586.3	580.5	571.2	559.7	542.3	520.3	490.1	295.5
22.5°	588.6	589.8	591.3	596.4	597.1	590.6	579.7	563.1	540.7	512.9	268.8
25°	588.6	587.9	587.9	598.3	604.8	601.8	594.0	579.0	556.2	524.5	236.0
27.5°	603.7	599.1	589.4	600.2	611.0	609.9	602.9	585.1	559.7	524.9	195.8
30°	628.4	618.4	602.5	612.6	622.6	618.4	607.2	584.4	551.9	507.9	146.8
32.5°	655.8	651.2	643.1	649.7	648.1	631.1	611.0	579.4	536.1	473.9	98.9
35°	664.3	665.1	659.7	658.5	649.7	632.3	611.0	565.1	502.9	417.1	58.7
37.5°	667.0	667.4	658.9	648.1	635.0	614.5	589.0	535.7	441.5	362.3	31.3
40°	653.5	653.1	639.2	626.1	611.4	591.3	554.3	473.9	383.1	314.0	11.2
42.5°	633.4	628.4	615.3	599.1	581.3	556.2	498.2	400.1	332.9	251.4	0.8
45°	589.8	585.1	574.7	557.3	537.6	502.1	410.6	343.8	270.8	183.1	0.0
47.5°	448.4	446.1	456.9	459.2	458.9	418.3	342.6	280.4	198.9	106.6	0.0
50°	408.3	405.2	394.3	380.4	355.7	321.7	274.6	207.8	116.6	34.0	0.0
52.5°	293.2	303.2	305.5	295.1	271.9	238.3	189.3	119.7	40.6	0.0	0.0
55°	119.3	113.2	117.8	123.6	128.2	117.8	87.3	42.5	0.4	0.0	0.0
57.5°	0.0	0.4	2.3	5.4	8.9	11.2	12.0	0.8	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	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	222.1	222.1	222.1	222.1	222.1
2.5°	222.9	188.5	155.3	137.1	128.2
5°	214.7	144.1	89.2	61.8	51.4
7.5°	201.2	98.9	35.5	14.7	10.4
10°	181.5	56.8	9.7	3.9	3.5
12.5°	153.3	25.9	3.5	2.7	2.7
15°	122.1	8.9	1.9	1.5	1.2
17.5°	85.7	2.3	0.8	0.0	0.0
20°	52.1	0.4	0.0	0.0	0.0
22.5°	29.0	0.0	0.0	0.0	0.0
25°	14.3	0.0	0.0	0.0	0.0
27.5°	6.2	0.0	0.0	0.0	0.0
30°	1.9	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°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.8	0.4	0.4	0.0	0.0
80°	0.8	0.4	0.4	0.0	0.0
82.5°	0.8	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.8	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)