

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: P1306629

Luminaire Tested: P3SQAS05R609027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306629
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: P3SQAS05R609027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

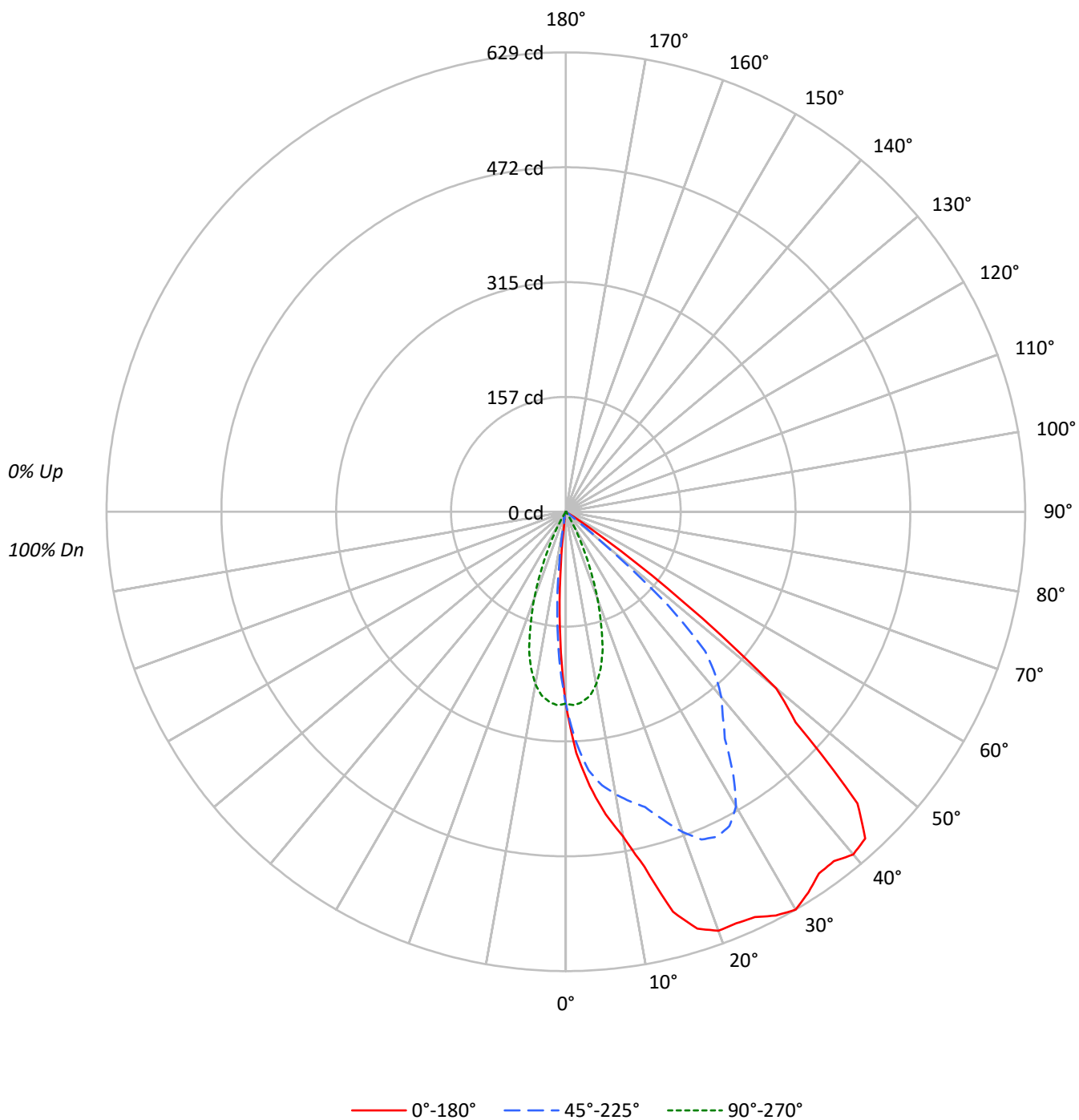
Lumens per Lamp: N/A
Luminaire Lumens: 427.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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	63	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°	45243	45243	45243	45243	45243
5°	65211	61424	45174	23270	14954
10°	78888	68675	41936	2781	1626
15°	101095	74600	34750	1836	1498
20°	111890	85498	23313	1026	165
25°	116372	93265	11459	95	0
30°	125126	92691	3162	0	0
35°	127072	79809	0	0	0
40°	137680	74416	0	0	0
45°	137538	65688	0	0	0
50°	100688	15915	0	0	0
55°	19637	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	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 137757 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	5.3
10°-20°	64.3	15.0
20°-30°	102.4	24.0
30°-40°	118.4	27.7
40°-50°	94.0	22.0
50°-60°	24.7	5.8
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°	189.2	44.3
0°-40°	307.6	72.0
0°-60°	426.3	99.8
0°-90°	427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	263	263	263	263	263	
5°	377	355	261	135	86	38
15°	567	418	195	10	8	158
25°	612	491	60	0	0	286
35°	604	380	0	0	0	384
45°	565	270	0	0	0	402
55°	65	0	0	0	0	99
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°	50°
0°	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7
2.5°	330.5	333.8	332.4	331.0	327.7	326.3	326.3	322.6	316.5	315.5	311.3
5°	377.2	378.2	378.2	377.2	374.9	371.2	370.2	366.5	360.9	355.3	349.7
7.5°	417.9	417.4	414.6	412.8	408.6	403.4	398.8	393.6	385.2	377.7	369.8
10°	451.1	452.5	450.2	445.5	439.9	432.9	425.4	416.5	403.9	392.7	382.4
12.5°	497.9	497.4	491.3	483.4	469.8	456.7	445.0	435.2	419.8	406.2	393.6
15°	567.0	566.1	560.5	553.5	533.8	514.2	494.1	466.5	440.8	418.4	400.6
17.5°	598.4	600.2	595.6	591.8	580.6	567.5	549.7	522.2	482.4	441.8	404.4
20°	610.5	612.9	609.6	609.1	604.0	597.9	583.4	553.5	514.7	466.5	420.3
22.5°	610.0	611.9	610.5	616.6	622.7	619.4	601.6	571.7	532.0	485.7	433.3
25°	612.4	611.0	605.8	614.7	623.6	620.8	611.9	586.2	542.7	490.8	438.0
27.5°	623.1	612.9	602.6	613.8	618.0	618.9	613.8	583.4	540.9	485.2	428.7
30°	629.2	618.0	609.6	618.9	618.9	624.1	613.3	578.7	525.0	466.1	403.9
32.5°	618.0	615.7	623.1	632.5	634.8	634.8	611.0	563.3	498.3	426.8	364.2
35°	604.4	610.0	631.6	635.8	635.8	625.5	596.5	536.2	458.6	379.6	334.7
37.5°	603.0	611.9	635.8	630.6	622.2	603.0	561.0	489.0	402.0	352.9	312.7
40°	612.4	620.8	634.8	616.1	596.0	566.1	515.6	427.3	367.9	331.0	286.1
42.5°	606.8	614.7	615.2	587.6	559.1	518.4	451.6	377.2	343.1	302.9	255.7
45°	564.7	565.6	563.8	534.3	504.9	462.8	391.7	352.5	316.0	269.7	187.9
47.5°	426.8	424.9	431.9	423.5	424.9	399.7	355.7	323.5	280.0	189.3	57.0
50°	375.8	373.5	366.5	359.0	351.5	339.4	318.8	284.2	201.9	59.4	1.9
52.5°	201.5	212.7	234.7	268.3	280.9	280.0	264.6	210.4	63.6	0.5	0.0
55°	65.4	64.5	72.0	85.1	116.9	134.6	140.2	71.5	1.4	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	4.7	12.2	15.9	0.9	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.5	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	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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	0.5	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7
2.5°	305.7	299.2	291.7	265.1	233.7	203.3	181.4	175.8
5°	340.8	329.6	313.7	261.3	193.1	134.6	96.3	86.5
7.5°	359.0	349.2	332.4	253.8	149.6	66.4	24.8	16.8
10°	370.2	358.5	339.9	239.8	97.7	15.9	8.9	9.3
12.5°	378.2	364.6	343.6	219.7	49.6	7.9	11.2	11.7
15°	381.5	367.0	343.1	194.9	17.8	10.3	9.8	8.4
17.5°	379.6	361.4	337.0	159.4	6.1	9.8	5.1	4.2
20°	377.2	356.7	327.2	127.2	5.1	5.6	1.9	0.9
22.5°	384.7	348.7	313.7	91.2	5.1	1.9	0.0	0.0
25°	385.7	345.5	296.4	60.3	2.3	0.5	0.0	0.0
27.5°	376.3	326.3	269.7	35.5	0.0	0.0	0.0	0.0
30°	346.4	302.5	241.2	15.9	0.0	0.0	0.0	0.0
32.5°	316.9	275.8	209.4	3.7	0.0	0.0	0.0	0.0
35°	293.6	248.2	174.4	0.0	0.0	0.0	0.0	0.0
37.5°	264.6	215.5	130.0	0.0	0.0	0.0	0.0	0.0
40°	234.2	173.9	65.0	0.0	0.0	0.0	0.0	0.0
42.5°	182.8	82.7	6.5	0.0	0.0	0.0	0.0	0.0
45°	70.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.7	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°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)