

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: P1316027

Luminaire Tested: P3SQAS05R709827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316027
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: P3SQAS05R709827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

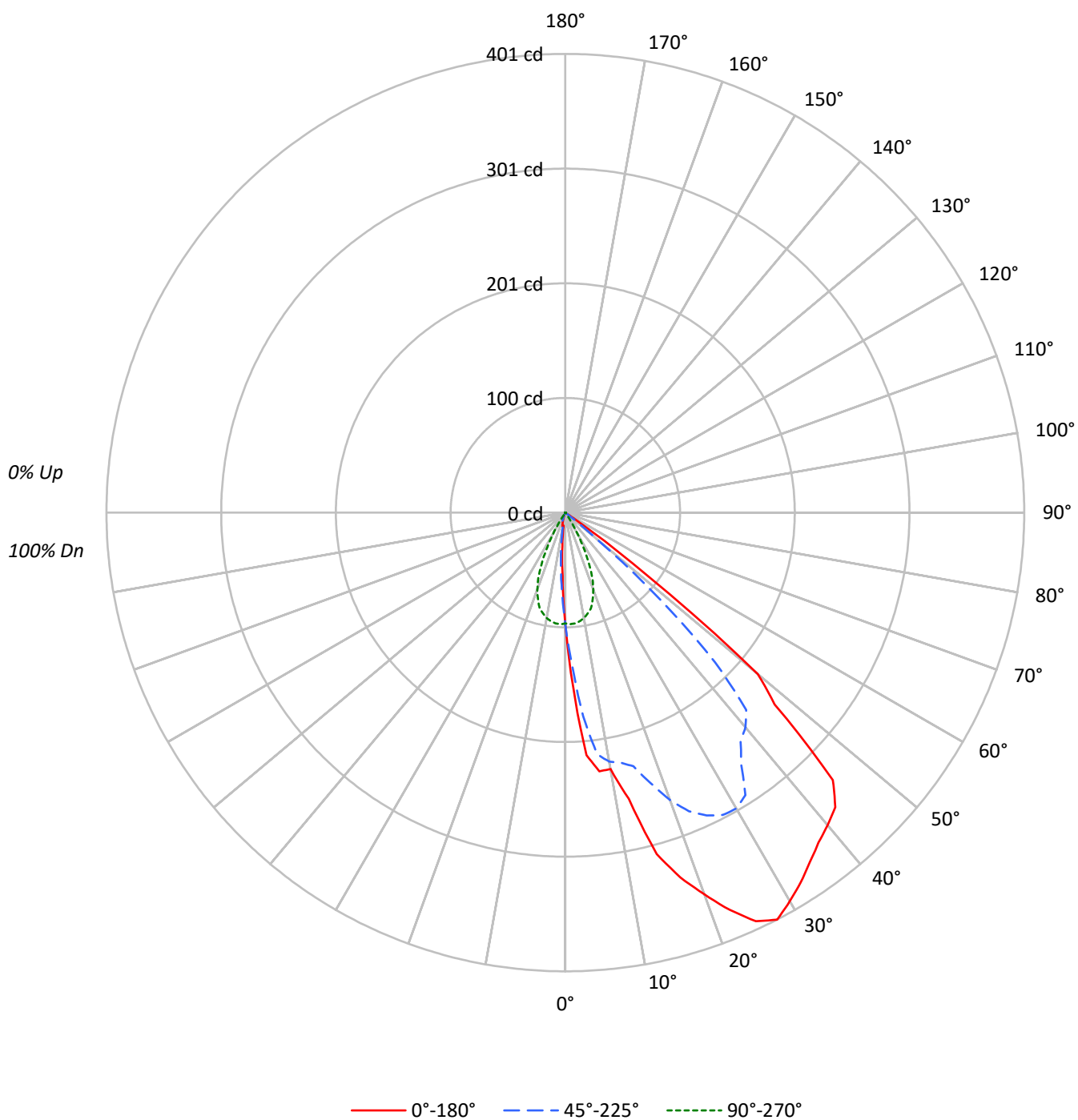
Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	16688	16688	16688	16688	16688
5°	36806	30876	16804	7641	5031
10°	39803	38648	16369	2134	2186
15°	55094	40919	15441	2175	1569
20°	65081	49008	13104	1283	477
25°	74890	55507	9235	209	0
30°	78015	59401	4256	0	0
35°	78358	56304	231	0	0
40°	80149	55059	0	0	0
45°	80545	45132	0	0	0
50°	58811	9378	0	0	0
55°	3303	0	0	0	0
60°	0	138	138	0	0
65°	0	0	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 82080 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	4.1
10°-20°	35.4	13.6
20°-30°	63.6	24.4
30°-40°	77.3	29.6
40°-50°	59.7	22.9
50°-60°	13.9	5.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	109.6	42.0
0°-40°	186.9	71.6
0°-60°	260.5	99.8
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	97	97	97	97	97	
5°	213	179	97	44	29	20
15°	309	230	87	12	9	86
25°	394	292	49	1	0	179
35°	373	268	1	0	0	234
45°	331	185	0	0	0	234
55°	11	0	0	0	0	45
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°	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2.5°	151.0	151.0	151.7	151.4	148.1	146.6	141.8	139.2	138.5	132.6	130.4
5°	212.9	213.3	211.4	211.0	207.4	204.8	200.7	194.5	188.2	178.6	170.2
7.5°	228.0	227.6	227.2	227.2	226.5	225.0	223.2	221.4	218.8	212.9	206.3
10°	227.6	227.6	227.2	227.2	226.9	227.2	226.9	225.8	224.7	221.0	217.3
12.5°	256.3	254.1	251.2	246.8	239.4	233.9	227.6	225.8	225.0	223.9	221.7
15°	309.0	307.2	300.9	293.2	285.8	273.3	263.3	249.7	239.0	229.5	224.7
17.5°	334.4	335.5	328.5	323.7	316.7	306.8	295.0	281.0	265.9	247.9	233.5
20°	355.1	356.2	350.3	345.5	337.4	327.1	316.7	301.6	287.3	267.4	248.6
22.5°	376.0	376.8	371.3	364.3	355.1	344.4	331.1	315.6	300.2	282.5	262.6
25°	394.1	393.4	384.2	374.2	365.4	353.9	341.1	326.0	311.2	292.1	273.3
27.5°	401.1	400.7	390.4	380.8	370.5	355.1	343.6	330.4	314.9	298.0	278.8
30°	392.3	398.1	391.5	384.5	372.0	356.5	345.5	329.6	315.3	298.7	277.0
32.5°	383.0	390.4	388.2	384.9	370.2	358.0	343.6	328.9	312.0	292.8	259.7
35°	372.7	380.5	380.8	377.2	363.9	351.7	338.5	323.0	303.9	267.8	243.5
37.5°	363.5	370.9	373.1	365.4	355.1	338.8	326.7	310.5	275.9	251.6	239.0
40°	356.5	362.1	365.4	353.2	342.9	327.1	313.1	284.7	253.4	244.9	227.2
42.5°	349.2	354.3	355.8	342.5	326.7	311.6	291.3	255.6	246.4	233.9	186.4
45°	330.7	337.0	333.3	320.4	308.6	292.8	262.6	247.1	237.2	185.3	114.5
47.5°	248.2	255.2	265.2	268.9	272.9	261.5	244.9	239.4	194.8	112.3	35.7
50°	219.5	218.4	218.4	220.3	223.6	227.2	232.0	201.8	117.1	35.0	0.0
52.5°	89.5	93.9	115.7	135.2	157.6	180.1	187.1	123.8	45.7	0.7	0.0
55°	11.0	11.0	15.5	26.5	43.8	70.7	79.6	39.8	3.3	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	2.9	8.1	5.5	1.5	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2.5°	126.7	122.3	116.0	97.6	81.8	67.8	59.7	55.6
5°	162.1	151.4	137.0	97.2	66.3	44.2	33.1	29.1
7.5°	195.9	183.8	159.5	95.8	50.8	25.8	14.4	11.4
10°	210.7	201.8	180.1	93.6	36.8	12.2	12.2	12.5
12.5°	216.6	209.9	192.3	90.2	24.3	11.8	12.5	11.8
15°	220.6	214.4	198.2	86.6	14.0	12.2	9.9	8.8
17.5°	222.8	215.5	200.0	79.6	9.2	10.3	6.3	5.2
20°	229.8	218.0	201.5	71.5	8.8	7.0	3.3	2.6
22.5°	241.6	223.2	201.8	61.5	7.0	4.1	1.1	0.0
25°	252.3	230.2	202.9	48.6	2.2	1.1	0.0	0.0
27.5°	257.5	232.4	202.6	34.3	0.0	0.0	0.0	0.0
30°	251.2	226.9	199.3	21.4	0.0	0.0	0.0	0.0
32.5°	236.5	222.8	188.9	9.2	0.0	0.0	0.0	0.0
35°	231.7	214.0	165.4	1.1	0.0	0.0	0.0	0.0
37.5°	221.0	188.6	121.5	0.0	0.0	0.0	0.0	0.0
40°	190.0	136.3	57.8	0.0	0.0	0.0	0.0	0.0
42.5°	125.6	58.2	3.3	0.0	0.0	0.0	0.0	0.0
45°	44.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	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°	0.4	0.4	0.4	0.4	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	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	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)