

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: P1315432

Luminaire Tested: P3SQAS13R709740DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315432
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: P3SQAS13R709740DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

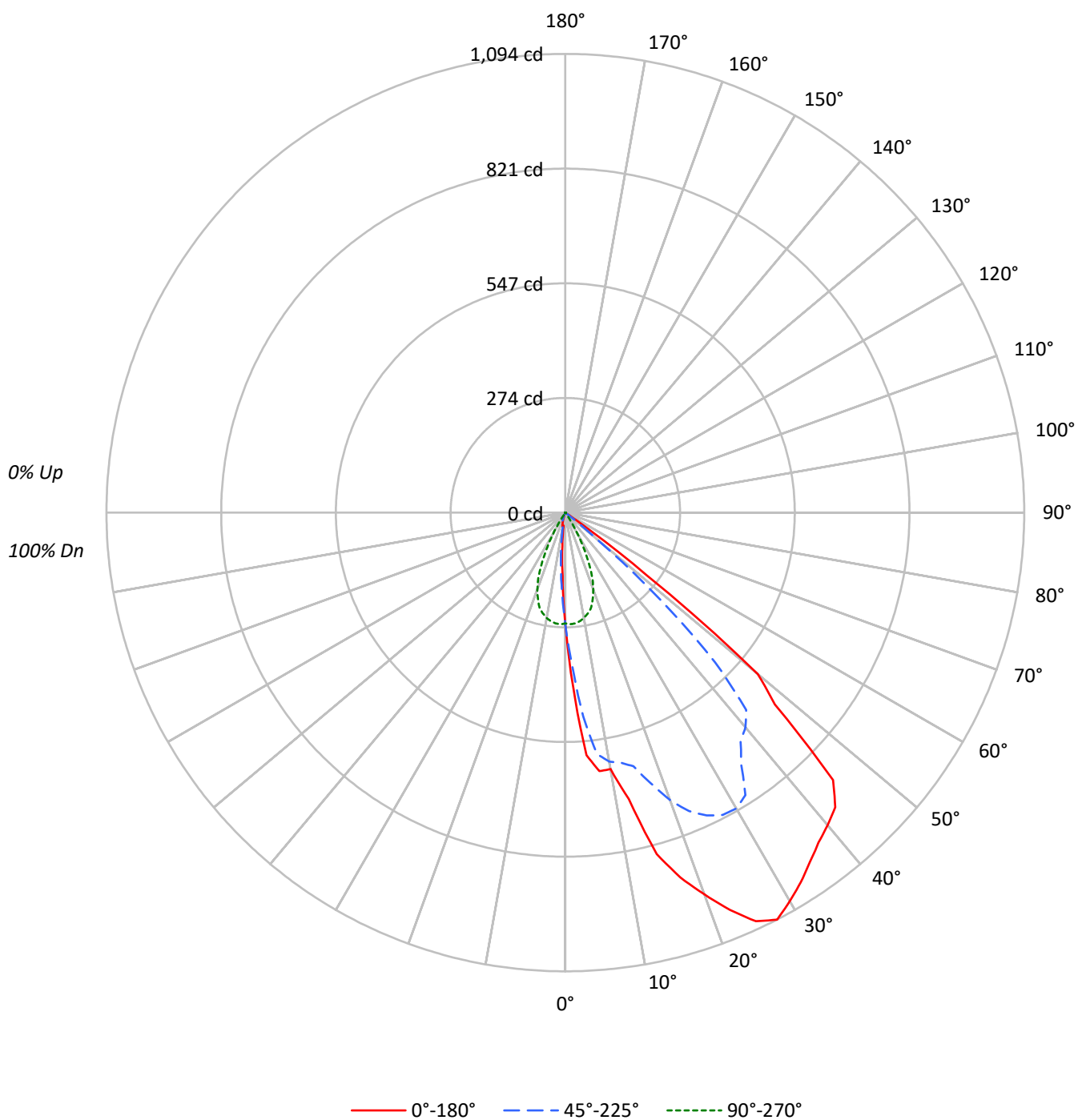
Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	91	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°	45501	45501	45501	45501	45501
5°	100392	84245	45865	20849	13727
10°	108583	105417	44629	5806	5981
15°	150305	111615	42096	5919	4297
20°	177521	133681	35720	3501	1283
25°	204298	151413	25198	570	0
30°	212806	162036	11594	0	0
35°	213777	153584	631	0	0
40°	218661	150225	0	0	0
45°	219764	123095	0	0	0
50°	160437	25587	0	0	0
55°	9038	0	0	0	0
60°	0	344	344	0	0
65°	0	0	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	992	992	0
85°	0	1976	1976	1976	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 223904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	4.1
10°-20°	96.5	13.6
20°-30°	173.5	24.4
30°-40°	210.9	29.6
40°-50°	162.9	22.9
50°-60°	37.9	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°	299.0	42.0
0°-40°	509.9	71.6
0°-60°	710.7	99.8
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	264	264	264	264	264	
5°	581	487	265	121	79	55
15°	843	626	236	33	24	236
25°	1075	797	133	3	0	489
35°	1017	730	3	0	0	639
45°	902	505	0	0	0	638
55°	30	0	0	0	0	124
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°	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2
2.5°	411.9	411.9	414.0	413.0	403.9	399.9	386.8	379.8	377.8	361.7	355.7
5°	580.7	581.7	576.7	575.7	565.7	558.6	547.6	530.5	513.4	487.3	464.2
7.5°	621.9	620.9	619.9	619.9	617.9	613.9	608.9	603.9	596.8	580.7	562.7
10°	620.9	620.9	619.9	619.9	618.9	619.9	618.9	615.9	612.9	602.8	592.8
12.5°	699.3	693.3	685.2	673.2	653.1	638.0	620.9	615.9	613.9	610.9	604.9
15°	843.0	838.0	820.9	799.8	779.7	745.5	718.4	681.2	652.1	626.0	612.9
17.5°	912.3	915.3	896.2	883.2	864.1	837.0	804.8	766.6	725.4	676.2	637.0
20°	968.6	971.6	955.5	942.5	920.3	892.2	864.1	822.9	783.7	729.4	678.2
22.5°	1025.8	1027.9	1012.8	993.7	968.6	939.4	903.3	861.1	818.9	770.6	716.4
25°	1075.1	1073.1	1047.9	1020.8	996.7	965.6	930.4	889.2	849.0	796.8	745.5
27.5°	1094.2	1093.2	1065.0	1038.9	1010.8	968.6	937.4	901.3	859.1	812.8	760.6
30°	1070.1	1086.1	1068.0	1049.0	1014.8	972.6	942.5	899.2	860.1	814.8	755.6
32.5°	1044.9	1065.0	1059.0	1050.0	1009.8	976.6	937.4	897.2	851.0	798.8	708.3
35°	1016.8	1037.9	1038.9	1028.9	992.7	959.5	923.4	881.2	828.9	730.5	664.1
37.5°	991.7	1011.8	1017.8	996.7	968.6	924.4	891.2	847.0	752.6	686.2	652.1
40°	972.6	987.7	996.7	963.6	935.4	892.2	854.0	776.7	691.3	668.2	619.9
42.5°	952.5	966.6	970.6	934.4	891.2	850.0	794.8	697.3	672.2	638.0	508.4
45°	902.3	919.3	909.3	874.1	842.0	798.8	716.4	674.2	647.1	505.4	312.5
47.5°	677.2	696.3	723.4	733.5	744.5	713.4	668.2	653.1	531.5	306.4	97.5
50°	598.8	595.8	595.8	600.8	609.9	619.9	633.0	550.6	319.5	95.5	0.0
52.5°	244.2	256.2	315.5	368.7	430.0	491.3	510.4	337.6	124.6	2.0	0.0
55°	30.1	30.1	42.2	72.3	119.6	192.9	217.0	108.5	9.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	8.0	22.1	15.1	4.0	1.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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°	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2
2.5°	345.6	333.6	316.5	266.3	223.1	184.9	162.8	151.7
5°	442.1	413.0	373.8	265.3	180.9	120.6	90.4	79.4
7.5°	534.5	501.4	435.1	261.2	138.7	70.3	39.2	31.1
10°	574.7	550.6	491.3	255.2	100.5	33.2	33.2	34.2
12.5°	590.8	572.7	524.5	246.2	66.3	32.2	34.2	32.2
15°	601.8	584.8	540.6	236.1	38.2	33.2	27.1	24.1
17.5°	607.9	587.8	545.6	217.0	25.1	28.1	17.1	14.1
20°	627.0	594.8	549.6	194.9	24.1	19.1	9.0	7.0
22.5°	659.1	608.9	550.6	167.8	19.1	11.1	3.0	0.0
25°	688.3	628.0	553.6	132.6	6.0	3.0	0.0	0.0
27.5°	702.3	634.0	552.6	93.4	0.0	0.0	0.0	0.0
30°	685.2	618.9	543.6	58.3	0.0	0.0	0.0	0.0
32.5°	645.0	607.9	515.4	25.1	0.0	0.0	0.0	0.0
35°	632.0	583.8	451.1	3.0	0.0	0.0	0.0	0.0
37.5°	602.8	514.4	331.6	0.0	0.0	0.0	0.0	0.0
40°	518.4	371.8	157.7	0.0	0.0	0.0	0.0	0.0
42.5°	342.6	158.7	9.0	0.0	0.0	0.0	0.0	0.0
45°	120.6	10.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.0	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°	1.0	1.0	1.0	1.0	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	1.0	1.0	0.0	0.0	0.0	0.0
67.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
70°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	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)