

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: P1312503

Luminaire Tested: P3SQAS13R609727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312503
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: P3SQAS13R609727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

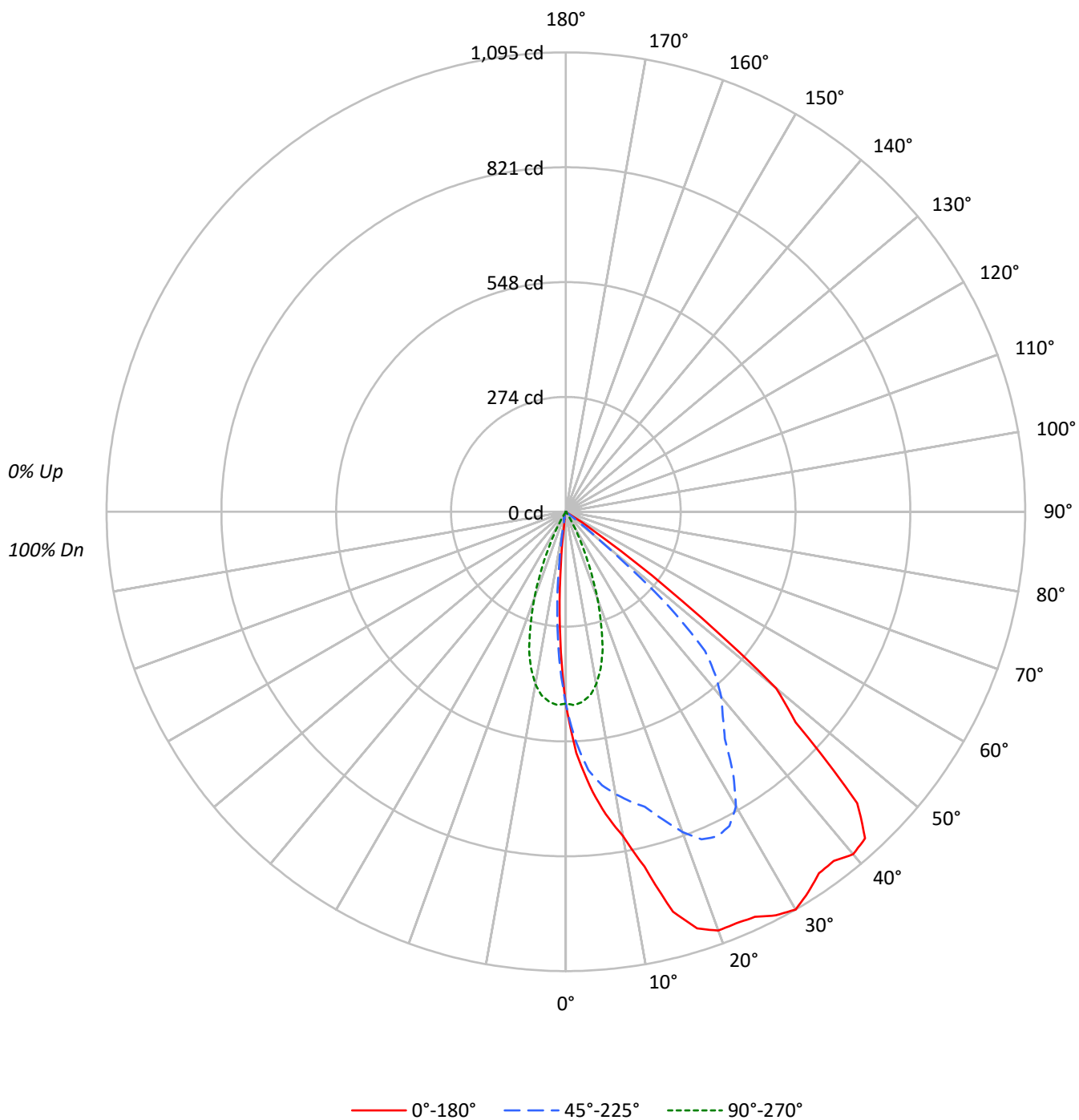
Lumens per Lamp: N/A
Luminaire Lumens: 743.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
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	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	64	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°	78723	78723	78723	78723	78723
5°	113479	106875	78609	40506	26019
10°	137263	119495	72977	4844	2851
15°	175927	129801	60479	3192	2603
20°	194694	148783	40541	1796	293
25°	202492	162302	19934	152	0
30°	217738	161280	5509	0	0
35°	221115	138867	0	0	0
40°	239569	129474	0	0	0
45°	239322	114303	0	0	0
50°	175227	27677	0	0	0
55°	34200	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 239711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	5.3
10°-20°	111.8	15.0
20°-30°	178.2	24.0
30°-40°	205.9	27.7
40°-50°	163.6	22.0
50°-60°	43.0	5.8
60°-70°	0.3	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°	329.2	44.3
0°-40°	535.2	72.0
0°-60°	741.8	99.8
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	457	457	457	457	457	
5°	656	618	455	234	150	66
15°	987	728	339	18	15	275
25°	1066	854	105	1	0	497
35°	1052	660	0	0	0	668
45°	983	469	0	0	0	700
55°	114	0	0	0	0	172
65°	0	1	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°	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1
2.5°	575.1	580.8	578.3	575.9	570.2	567.8	567.8	561.3	550.7	549.1	541.7
5°	656.4	658.1	658.1	656.4	652.4	645.9	644.2	637.7	628.0	618.2	608.4
7.5°	727.2	726.4	721.5	718.2	710.9	702.0	693.8	684.9	670.3	657.2	643.4
10°	784.9	787.4	783.3	775.2	765.4	753.2	740.2	724.8	702.8	683.3	665.4
12.5°	866.3	865.5	854.9	841.1	817.5	794.7	774.4	757.3	730.4	706.9	684.9
15°	986.7	985.0	975.3	963.1	928.9	894.8	859.8	811.8	767.1	728.0	697.1
17.5°	1041.2	1044.4	1036.3	1029.8	1010.3	987.5	956.6	908.6	839.4	768.7	703.6
20°	1062.3	1066.4	1060.7	1059.9	1050.9	1040.4	1015.1	963.1	895.6	811.8	731.3
22.5°	1061.5	1064.8	1062.3	1072.9	1083.5	1077.8	1046.9	994.8	925.7	845.1	754.0
25°	1065.6	1063.1	1054.2	1069.6	1085.1	1080.2	1064.8	1020.0	944.4	854.1	762.2
27.5°	1084.3	1066.4	1048.5	1068.0	1075.3	1077.0	1068.0	1015.1	941.1	844.3	745.9
30°	1094.9	1075.3	1060.7	1077.0	1077.0	1085.9	1067.2	1007.0	913.5	811.0	702.8
32.5°	1075.3	1071.3	1084.3	1100.6	1104.6	1104.6	1063.1	980.2	867.1	742.7	633.7
35°	1051.7	1061.5	1098.9	1106.2	1106.2	1088.4	1037.9	933.0	798.0	660.5	582.4
37.5°	1049.3	1064.8	1106.2	1097.3	1082.7	1049.3	976.1	850.8	699.5	614.1	544.2
40°	1065.6	1080.2	1104.6	1072.1	1037.1	985.0	897.2	743.5	640.2	575.9	497.8
42.5°	1055.8	1069.6	1070.5	1022.5	972.8	902.1	785.8	656.4	597.0	527.1	444.9
45°	982.6	984.2	981.0	929.7	878.5	805.3	681.6	613.3	549.9	469.3	327.0
47.5°	742.7	739.4	751.6	737.0	739.4	695.5	619.0	562.9	487.2	329.4	99.2
50°	654.0	649.9	637.7	624.7	611.7	590.5	554.8	494.6	351.4	103.3	3.3
52.5°	350.6	370.1	408.3	466.9	488.9	487.2	460.4	366.0	110.6	0.8	0.0
55°	113.9	112.3	125.3	148.0	203.4	234.3	244.0	124.5	2.4	0.0	0.0
57.5°	0.0	0.0	0.0	2.4	8.1	21.1	27.7	1.6	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1
2.5°	532.0	520.6	507.6	461.2	406.7	353.8	315.6	305.8
5°	593.0	573.5	545.8	454.7	335.9	234.3	167.6	150.5
7.5°	624.7	607.6	578.3	441.7	260.3	115.5	43.1	29.3
10°	644.2	623.9	591.4	417.3	170.0	27.7	15.5	16.3
12.5°	658.1	634.5	597.9	382.3	86.2	13.8	19.5	20.3
15°	663.7	638.5	597.0	339.2	30.9	17.9	17.1	14.6
17.5°	660.5	628.8	586.5	277.4	10.6	17.1	8.9	7.3
20°	656.4	620.6	569.4	221.2	8.9	9.8	3.3	1.6
22.5°	669.4	606.8	545.8	158.6	8.9	3.3	0.0	0.0
25°	671.1	601.1	515.7	104.9	4.1	0.8	0.0	0.0
27.5°	654.8	567.8	469.3	61.8	0.0	0.0	0.0	0.0
30°	602.7	526.3	419.7	27.7	0.0	0.0	0.0	0.0
32.5°	551.5	479.9	364.4	6.5	0.0	0.0	0.0	0.0
35°	510.8	431.9	303.4	0.0	0.0	0.0	0.0	0.0
37.5°	460.4	375.0	226.1	0.0	0.0	0.0	0.0	0.0
40°	407.5	302.6	113.1	0.0	0.0	0.0	0.0	0.0
42.5°	318.0	144.0	11.4	0.0	0.0	0.0	0.0	0.0
45°	122.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.5	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°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)