

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: P1306232

Luminaire Tested: P3SQASS20R359024D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R359024D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

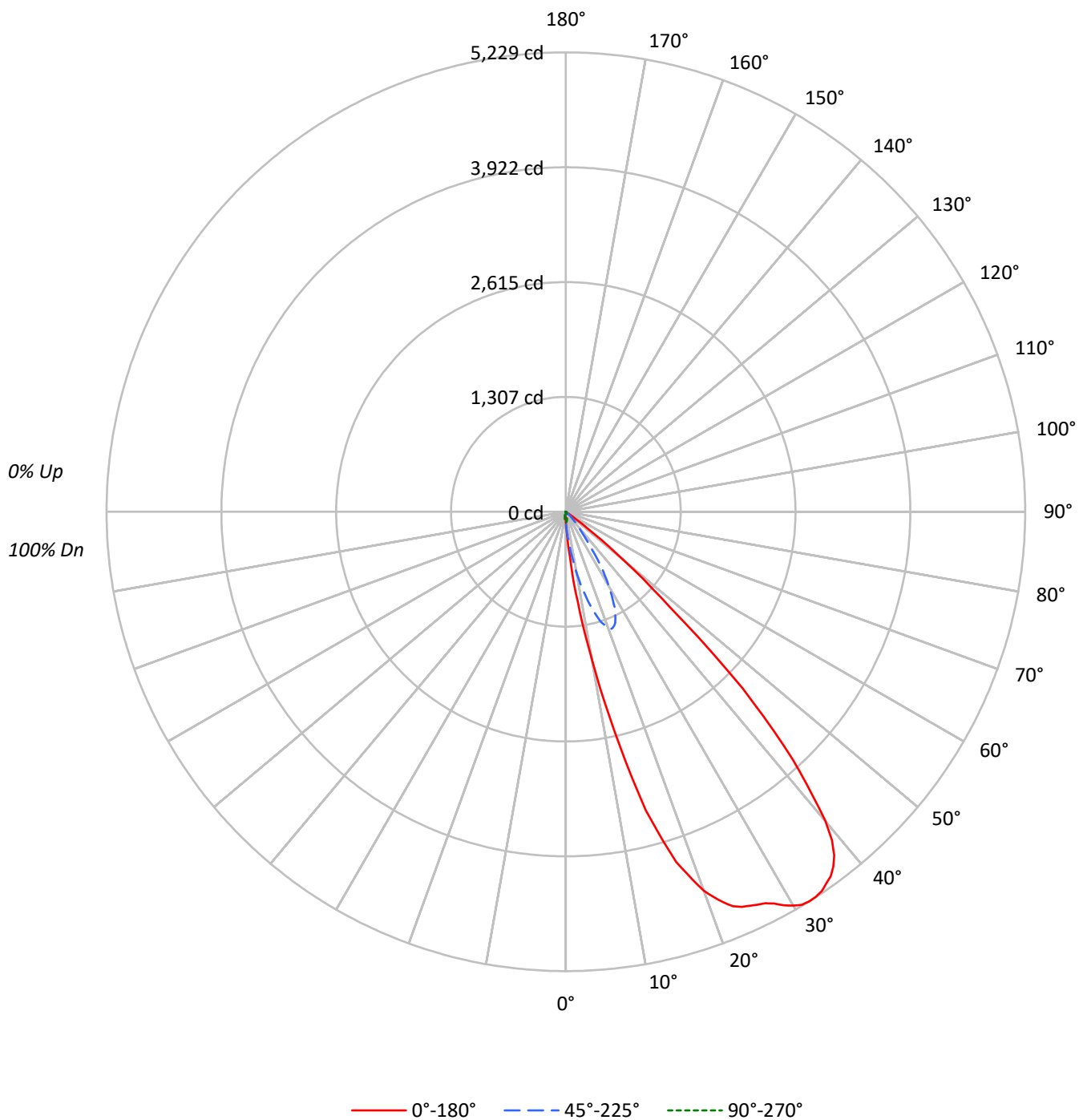
Lumens per Lamp: N/A
Luminaire Lumens: 1562.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20271	20271	20271	20271	20271
5°	88100	54613	18809	6690	4633
10°	296561	123255	14078	1556	525
15°	627555	202190	8772	0	0
20°	841436	258363	4105	0	0
25°	940404	253724	855	0	0
30°	1029487	194391	0	0	0
35°	1086504	105900	0	0	0
40°	1032849	47572	0	0	0
45°	693219	21044	0	0	0
50°	231573	2009	0	0	0
55°	12521	0	0	0	0
60°	0	0	517	0	0
65°	0	0	1223	0	0
70°	0	755	1511	0	0
75°	0	998	1996	0	0
80°	0	1488	2975	0	0
85°	0	2964	5928	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 693219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	1.6
10°-20°	216.7	13.9
20°-30°	475.5	30.4
30°-40°	550.0	35.2
40°-50°	271.5	17.4
50°-60°	20.1	1.3
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	717.5	45.9
0°-40°	1267.6	81.1
0°-60°	1559.2	99.8
0°-90°	1562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	118	118	118	118	118	
5°	510	316	109	39	27	88
15°	3520	1134	49	0	0	993
25°	4949	1335	4	0	0	2288
35°	5168	504	0	0	0	3191
45°	2846	86	0	0	0	2089
55°	42	0	0	0	0	170
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
2.5°	234.0	239.9	236.9	236.9	235.4	228.0	214.6	210.1	193.7	153.5	119.2
5°	509.6	511.1	506.6	484.3	464.9	447.0	408.3	390.4	315.9	187.8	108.8
7.5°	1034.2	1011.8	983.5	952.2	883.7	821.1	739.1	652.7	488.8	217.6	96.9
10°	1695.8	1664.5	1640.7	1566.1	1442.5	1314.3	1157.8	1016.3	704.8	238.4	80.5
12.5°	2549.6	2531.8	2446.8	2297.8	2114.5	1929.7	1657.0	1432.0	922.4	242.9	65.6
15°	3519.7	3489.9	3360.3	3148.7	2899.8	2609.2	2244.2	1865.7	1134.0	229.5	49.2
17.5°	4182.8	4166.5	4054.7	3832.7	3546.5	3177.0	2744.9	2272.5	1308.3	201.2	34.3
20°	4591.1	4567.3	4463.0	4275.2	3975.7	3589.8	3077.2	2531.8	1409.7	165.4	22.4
21°	4696.9	4673.1	4589.7	4394.4	4108.3	3694.1	3168.1	2594.3	1429.1	149.0	17.9
22°	4796.8	4772.9	4685.0	4512.2	4229.0	3796.9	3239.6	2642.0	1426.1	135.6	13.4
23°	4880.2	4854.9	4768.5	4609.0	4324.4	3887.8	3293.2	2665.9	1406.7	122.2	10.4
24°	4923.4	4908.5	4831.1	4680.6	4401.9	3951.9	3330.5	2674.8	1382.9	108.8	7.5
25°	4948.8	4930.9	4854.9	4716.3	4452.6	4002.5	3354.3	2667.4	1335.2	96.9	4.5
26°	4975.6	4948.8	4862.3	4728.2	4479.4	4026.4	3355.8	2648.0	1284.5	86.4	1.5
27°	4999.4	4974.1	4884.7	4737.2	4483.9	4018.9	3343.9	2610.7	1223.4	76.0	1.5
28°	5051.6	5023.3	4920.5	4756.5	4488.3	3999.6	3306.6	2560.1	1142.9	67.1	0.0
29°	5120.1	5090.3	4972.6	4802.7	4498.8	3978.7	3256.0	2493.0	1072.9	59.6	0.0
30°	5176.8	5149.9	5041.2	4860.9	4525.6	3959.3	3196.4	2402.1	977.5	50.7	0.0
31°	5218.5	5191.7	5091.8	4910.0	4549.4	3941.4	3121.9	2308.2	891.1	44.7	0.0
32°	5228.9	5206.6	5112.7	4930.9	4549.4	3914.6	3053.3	2202.4	806.2	37.3	0.0
33°	5224.5	5202.1	5106.7	4916.0	4509.2	3850.5	2969.9	2075.8	709.3	32.8	0.0
34°	5208.1	5181.2	5079.9	4868.3	4430.2	3741.8	2849.2	1949.1	608.0	26.8	0.0
35°	5167.8	5144.0	5033.7	4778.9	4308.0	3576.4	2688.2	1803.1	503.7	22.4	0.0
36°	5129.1	5093.3	4957.7	4668.6	4147.1	3406.5	2496.0	1634.7	414.3	17.9	0.0
37°	5057.6	5006.9	4869.8	4509.2	3919.1	3166.6	2276.9	1449.9	347.2	13.4	0.0
38°	4962.2	4893.6	4719.3	4324.4	3689.6	2941.5	2071.3	1283.0	292.1	8.9	0.0
39°	4814.7	4734.2	4497.3	4071.1	3424.4	2680.8	1835.9	1105.7	248.9	6.0	0.0
40°	4594.1	4518.1	4255.9	3770.1	3160.6	2393.2	1594.5	906.0	211.6	3.0	0.0
42.5°	3825.2	3720.9	3416.9	2934.1	2336.6	1721.1	1055.0	503.7	140.1	0.0	0.0
45°	2846.2	2753.8	2455.8	2016.2	1557.2	1053.5	564.8	296.5	86.4	0.0	0.0
47.5°	1607.9	1597.4	1403.7	1157.8	868.8	560.3	286.1	178.8	37.3	0.0	0.0
50°	864.3	810.6	698.9	530.5	362.1	244.4	155.0	98.3	7.5	0.0	0.0
52.5°	315.9	305.5	256.3	213.1	163.9	111.8	79.0	43.2	0.0	0.0	0.0
55°	41.7	38.7	40.2	43.2	44.7	38.7	25.3	8.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	3.0	3.0	3.0	0.0	0.0	0.0	1.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
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):

	112.5°	135°	157.5°	180°
0°	117.7	117.7	117.7	117.7
2.5°	90.9	70.0	59.6	58.1
5°	62.6	38.7	28.3	26.8
7.5°	43.2	19.4	13.4	11.9
10°	25.3	8.9	4.5	3.0
12.5°	14.9	1.5	0.0	0.0
15°	4.5	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.5	0.0	0.0	0.0
67.5°	1.5	0.0	0.0	0.0
70°	1.5	0.0	0.0	0.0
72.5°	1.5	0.0	0.0	0.0
75°	1.5	0.0	0.0	0.0
77.5°	1.5	0.0	0.0	0.0
80°	1.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.5	0.0	0.0	0.0
85°	1.5	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)