

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: P1318151

Luminaire Tested: P3SQAS17R359835DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318151
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: P3SQAS17R359835DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

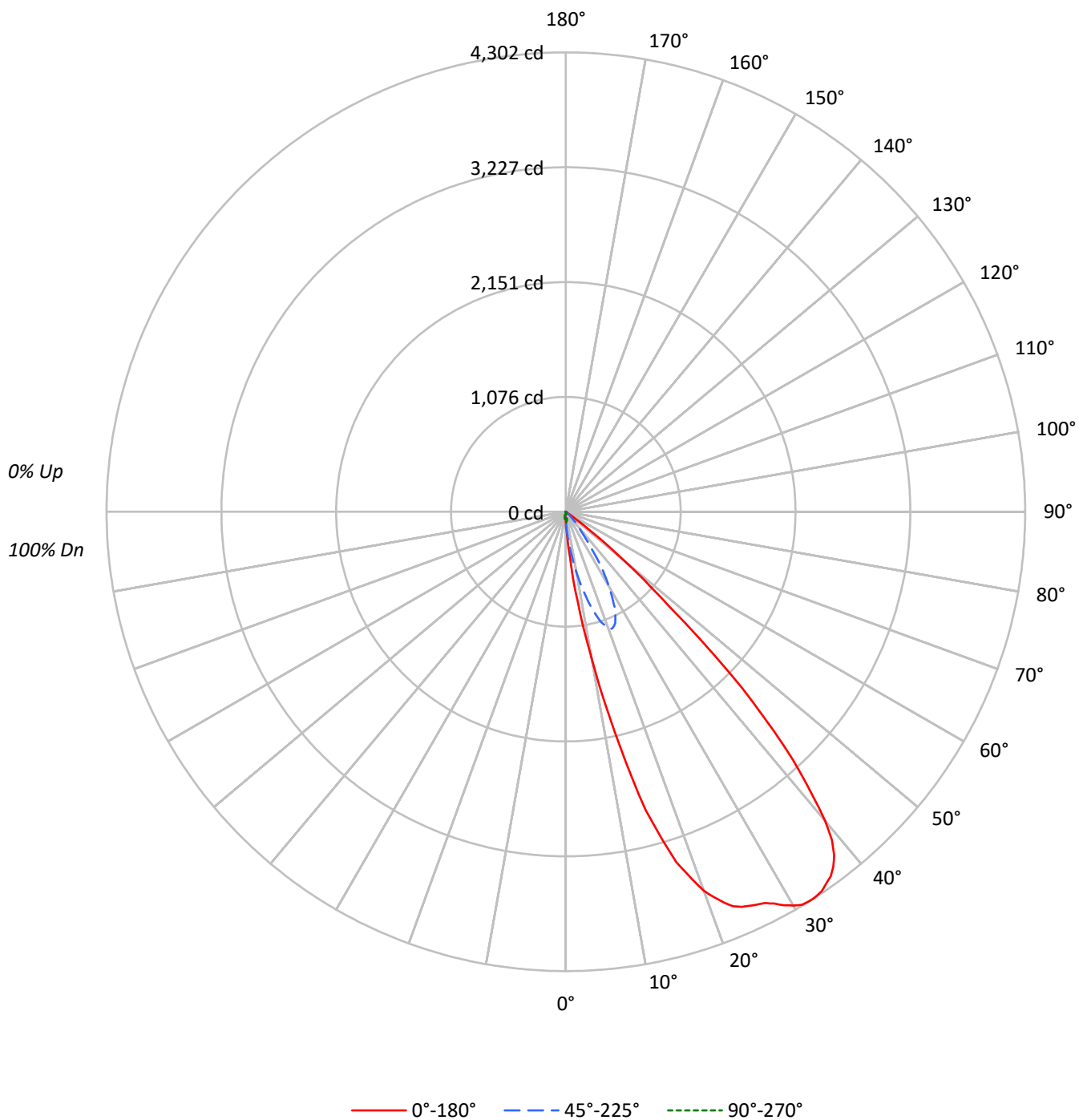
Lumens per Lamp: N/A
Luminaire Lumens: 1285.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	16671	16671	16671	16671	16671
5°	72489	44932	15473	5515	3821
10°	243974	101395	11577	1294	437
15°	516262	166334	7221	0	0
20°	692232	212545	3372	0	0
25°	773637	208725	703	0	0
30°	846909	159928	0	0	0
35°	893836	87126	0	0	0
40°	849687	39141	0	0	0
45°	570270	17317	0	0	0
50°	190499	1634	0	0	0
55°	10299	0	0	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	1664	0	0
80°	0	1190	2479	0	0
85°	0	2371	4940	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 570270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	1.6
10°-20°	178.3	13.9
20°-30°	391.2	30.4
30°-40°	452.5	35.2
40°-50°	223.4	17.4
50°-60°	16.5	1.3
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	590.3	45.9
0°-40°	1042.8	81.1
0°-60°	1282.7	99.8
0°-90°	1285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	97	97	97	97	97	
5°	419	260	90	32	22	72
15°	2896	933	40	0	0	817
25°	4071	1098	4	0	0	1882
35°	4251	414	0	0	0	2625
45°	2341	71	0	0	0	1719
55°	34	0	0	0	0	140
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2.5°	192.5	197.4	194.9	194.9	193.7	187.6	176.5	172.9	159.4	126.3	98.1
5°	419.3	420.5	416.8	398.4	382.5	367.8	335.9	321.2	259.9	154.5	89.5
7.5°	850.8	832.4	809.1	783.3	727.0	675.5	608.0	536.9	402.1	179.0	79.7
10°	1395.1	1369.3	1349.7	1288.4	1186.7	1081.2	952.5	836.1	579.8	196.1	66.2
12.5°	2097.5	2082.8	2012.9	1890.3	1739.5	1587.5	1363.2	1178.1	758.8	199.8	53.9
15°	2895.5	2871.0	2764.4	2590.3	2385.6	2146.5	1846.2	1534.8	932.9	188.8	40.5
17.5°	3441.1	3427.6	3335.6	3153.0	2917.6	2613.6	2258.1	1869.5	1076.3	165.5	28.2
20°	3777.0	3757.3	3671.5	3517.1	3270.7	2953.2	2531.5	2082.8	1159.7	136.1	18.4
21°	3864.0	3844.4	3775.7	3615.1	3379.8	3039.0	2606.2	2134.3	1175.6	122.6	14.7
22°	3946.1	3926.5	3854.2	3712.0	3479.1	3123.6	2665.1	2173.5	1173.2	111.6	11.0
23°	4014.8	3993.9	3922.8	3791.7	3557.5	3198.3	2709.2	2193.1	1157.2	100.5	8.6
24°	4050.3	4038.1	3974.3	3850.5	3621.3	3251.1	2739.9	2200.5	1137.6	89.5	6.1
25°	4071.2	4056.5	3993.9	3879.9	3663.0	3292.7	2759.5	2194.3	1098.4	79.7	3.7
26°	4093.2	4071.2	4000.1	3889.7	3685.0	3312.4	2760.7	2178.4	1056.7	71.1	1.2
27°	4112.9	4092.0	4018.5	3897.1	3688.7	3306.2	2750.9	2147.8	1006.5	62.5	1.2
28°	4155.8	4132.5	4047.9	3913.0	3692.4	3290.3	2720.2	2106.1	940.3	55.2	0.0
29°	4212.2	4187.6	4090.8	3951.0	3701.0	3273.1	2678.6	2050.9	882.6	49.0	0.0
30°	4258.7	4236.7	4147.2	3998.8	3723.0	3257.2	2629.5	1976.1	804.2	41.7	0.0
31°	4293.1	4271.0	4188.9	4039.3	3742.6	3242.5	2568.2	1898.9	733.1	36.8	0.0
32°	4301.6	4283.3	4206.0	4056.5	3742.6	3220.4	2511.8	1811.9	663.2	30.6	0.0
33°	4298.0	4279.6	4201.1	4044.2	3709.5	3167.7	2443.2	1707.7	583.5	27.0	0.0
34°	4284.5	4262.4	4179.1	4005.0	3644.6	3078.2	2343.9	1603.5	500.2	22.1	0.0
35°	4251.4	4231.8	4141.1	3931.4	3544.0	2942.1	2211.5	1483.3	414.4	18.4	0.0
36°	4219.5	4190.1	4078.5	3840.7	3411.6	2802.4	2053.4	1344.8	340.8	14.7	0.0
37°	4160.7	4119.0	4006.2	3709.5	3224.1	2605.0	1873.2	1192.8	285.6	11.0	0.0
38°	4082.2	4025.8	3882.4	3557.5	3035.3	2419.9	1704.0	1055.5	240.3	7.4	0.0
39°	3960.8	3894.6	3699.7	3349.1	2817.1	2205.4	1510.3	909.6	204.7	4.9	0.0
40°	3779.4	3716.9	3501.1	3101.5	2600.1	1968.8	1311.7	745.3	174.1	2.5	0.0
42.5°	3146.9	3061.0	2811.0	2413.8	1922.2	1415.9	867.9	414.4	115.2	0.0	0.0
45°	2341.4	2265.4	2020.3	1658.6	1281.1	866.7	464.6	244.0	71.1	0.0	0.0
47.5°	1322.7	1314.2	1154.8	952.5	714.7	460.9	235.4	147.1	30.6	0.0	0.0
50°	711.0	666.9	574.9	436.4	297.9	201.0	127.5	80.9	6.1	0.0	0.0
52.5°	259.9	251.3	210.9	175.3	134.8	91.9	65.0	35.6	0.0	0.0	0.0
55°	34.3	31.9	33.1	35.6	36.8	31.9	20.8	7.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.5	2.5	2.5	0.0	0.0	0.0	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5



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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	1.2	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5
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):

	112.5°	135°	157.5°	180°
0°	96.8	96.8	96.8	96.8
2.5°	74.8	57.6	49.0	47.8
5°	51.5	31.9	23.3	22.1
7.5°	35.6	15.9	11.0	9.8
10°	20.8	7.4	3.7	2.5
12.5°	12.3	1.2	0.0	0.0
15°	3.7	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°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)