

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: P1314541

Luminaire Tested: P3SQAS17R359735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314541
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: P3SQAS17R359735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

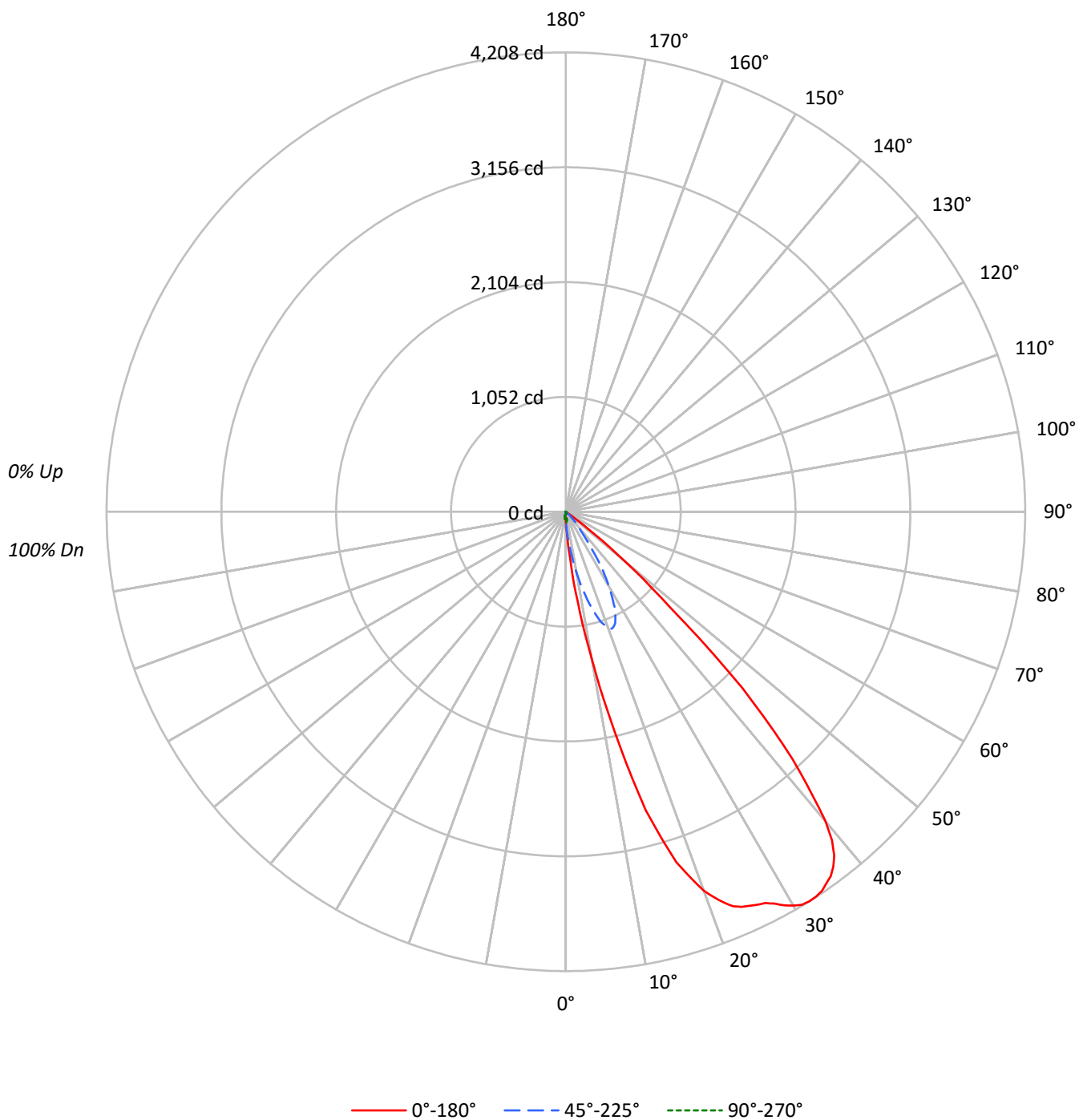
Lumens per Lamp: N/A
Luminaire Lumens: 1257.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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°	16309	16309	16309	16309	16309
5°	70898	43946	15127	5394	3734
10°	238658	99192	11332	1259	420
15°	505029	162715	7061	0	0
20°	677148	207908	3299	0	0
25°	756781	204184	684	0	0
30°	828454	156448	0	0	0
35°	874346	85212	0	0	0
40°	831185	38287	0	0	0
45°	557849	16952	0	0	0
50°	186346	1608	0	0	0
55°	10089	0	0	0	0
60°	0	0	413	0	0
65°	0	0	978	0	0
70°	0	604	1209	0	0
75°	0	799	1597	0	0
80°	0	1190	2380	0	0
85°	0	2371	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 557849 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	1.6
10°-20°	174.4	13.9
20°-30°	382.7	30.4
30°-40°	442.6	35.2
40°-50°	218.5	17.4
50°-60°	16.2	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°	577.4	45.9
0°-40°	1020.1	81.1
0°-60°	1254.7	99.8
0°-90°	1257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	410	254	88	31	22	71
15°	2832	913	40	0	0	799
25°	3982	1074	4	0	0	1841
35°	4159	405	0	0	0	2568
45°	2290	70	0	0	0	1681
55°	34	0	0	0	0	137
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°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	188.3	193.1	190.7	190.7	189.5	183.5	172.7	169.1	155.9	123.5	95.9
5°	410.1	411.3	407.7	389.7	374.1	359.8	328.6	314.2	254.2	151.1	87.5
7.5°	832.2	814.2	791.5	766.3	711.1	660.7	594.8	525.2	393.3	175.1	77.9
10°	1364.7	1339.5	1320.3	1260.3	1160.8	1057.7	931.8	817.8	567.2	191.9	64.8
12.5°	2051.8	2037.4	1969.0	1849.1	1701.6	1552.9	1333.5	1152.4	742.3	195.5	52.8
15°	2832.5	2808.5	2704.1	2533.9	2333.6	2099.8	1806.0	1501.4	912.6	184.7	39.6
17.5°	3366.1	3352.9	3263.0	3084.3	2854.0	2556.6	2208.9	1828.7	1052.9	161.9	27.6
20°	3694.7	3675.5	3591.5	3440.4	3199.4	2888.8	2476.3	2037.4	1134.4	133.1	18.0
21°	3779.8	3760.6	3693.5	3536.4	3306.1	2972.8	2549.5	2087.8	1150.0	119.9	14.4
22°	3860.2	3841.0	3770.2	3631.1	3403.3	3055.5	2607.0	2126.1	1147.6	109.1	10.8
23°	3927.3	3906.9	3837.4	3709.1	3480.0	3128.7	2650.2	2145.3	1132.0	98.3	8.4
24°	3962.1	3950.1	3887.7	3766.6	3542.4	3180.2	2680.2	2152.5	1112.8	87.5	6.0
25°	3982.5	3968.1	3906.9	3795.4	3583.1	3221.0	2699.3	2146.5	1074.5	77.9	3.6
26°	4004.1	3982.5	3912.9	3805.0	3604.7	3240.2	2700.5	2130.9	1033.7	69.6	1.2
27°	4023.2	4002.9	3930.9	3812.2	3608.3	3234.2	2691.0	2101.0	984.5	61.2	1.2
28°	4065.2	4042.4	3959.7	3827.8	3611.9	3218.6	2661.0	2060.2	919.8	54.0	0.0
29°	4120.4	4096.4	4001.7	3864.9	3620.3	3201.8	2620.2	2006.2	863.4	48.0	0.0
30°	4165.9	4144.4	4056.8	3911.7	3641.9	3186.2	2572.2	1933.1	786.7	40.8	0.0
31°	4199.5	4177.9	4097.6	3951.3	3661.1	3171.8	2512.3	1857.5	717.1	36.0	0.0
32°	4207.9	4189.9	4114.4	3968.1	3661.1	3150.2	2457.1	1772.4	648.8	30.0	0.0
33°	4204.3	4186.3	4109.6	3956.1	3628.7	3098.7	2390.0	1670.5	570.8	26.4	0.0
34°	4191.1	4169.5	4088.0	3917.7	3565.2	3011.1	2292.8	1568.5	489.3	21.6	0.0
35°	4158.7	4139.6	4050.8	3845.8	3466.8	2878.0	2163.3	1451.0	405.3	18.0	0.0
36°	4127.6	4098.8	3989.7	3757.0	3337.3	2741.3	2008.6	1315.5	333.4	14.4	0.0
37°	4070.0	4029.2	3918.9	3628.7	3153.8	2548.3	1832.3	1166.8	279.4	10.8	0.0
38°	3993.3	3938.1	3797.8	3480.0	2969.2	2367.2	1666.9	1032.5	235.0	7.2	0.0
39°	3874.5	3809.8	3619.1	3276.2	2755.7	2157.3	1477.4	889.8	200.3	4.8	0.0
40°	3697.1	3635.9	3424.8	3033.9	2543.5	1925.9	1283.1	729.1	170.3	2.4	0.0
42.5°	3078.3	2994.3	2749.7	2361.2	1880.3	1385.0	849.0	405.3	112.7	0.0	0.0
45°	2290.4	2216.1	1976.2	1622.5	1253.1	847.8	454.5	238.6	69.6	0.0	0.0
47.5°	1293.9	1285.5	1129.6	931.8	699.1	450.9	230.2	143.9	30.0	0.0	0.0
50°	695.5	652.4	562.4	426.9	291.4	196.7	124.7	79.1	6.0	0.0	0.0
52.5°	254.2	245.8	206.3	171.5	131.9	89.9	63.6	34.8	0.0	0.0	0.0
55°	33.6	31.2	32.4	34.8	36.0	31.2	20.4	7.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.4	2.4	2.4	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	2.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4



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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	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
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):

	112.5°	135°	157.5°	180°
0°	94.7	94.7	94.7	94.7
2.5°	73.1	56.4	48.0	46.8
5°	50.4	31.2	22.8	21.6
7.5°	34.8	15.6	10.8	9.6
10°	20.4	7.2	3.6	2.4
12.5°	12.0	1.2	0.0	0.0
15°	3.6	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)