

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: P1313569

Luminaire Tested: P3SQAS17R359730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313569
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: P3SQAS17R359730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

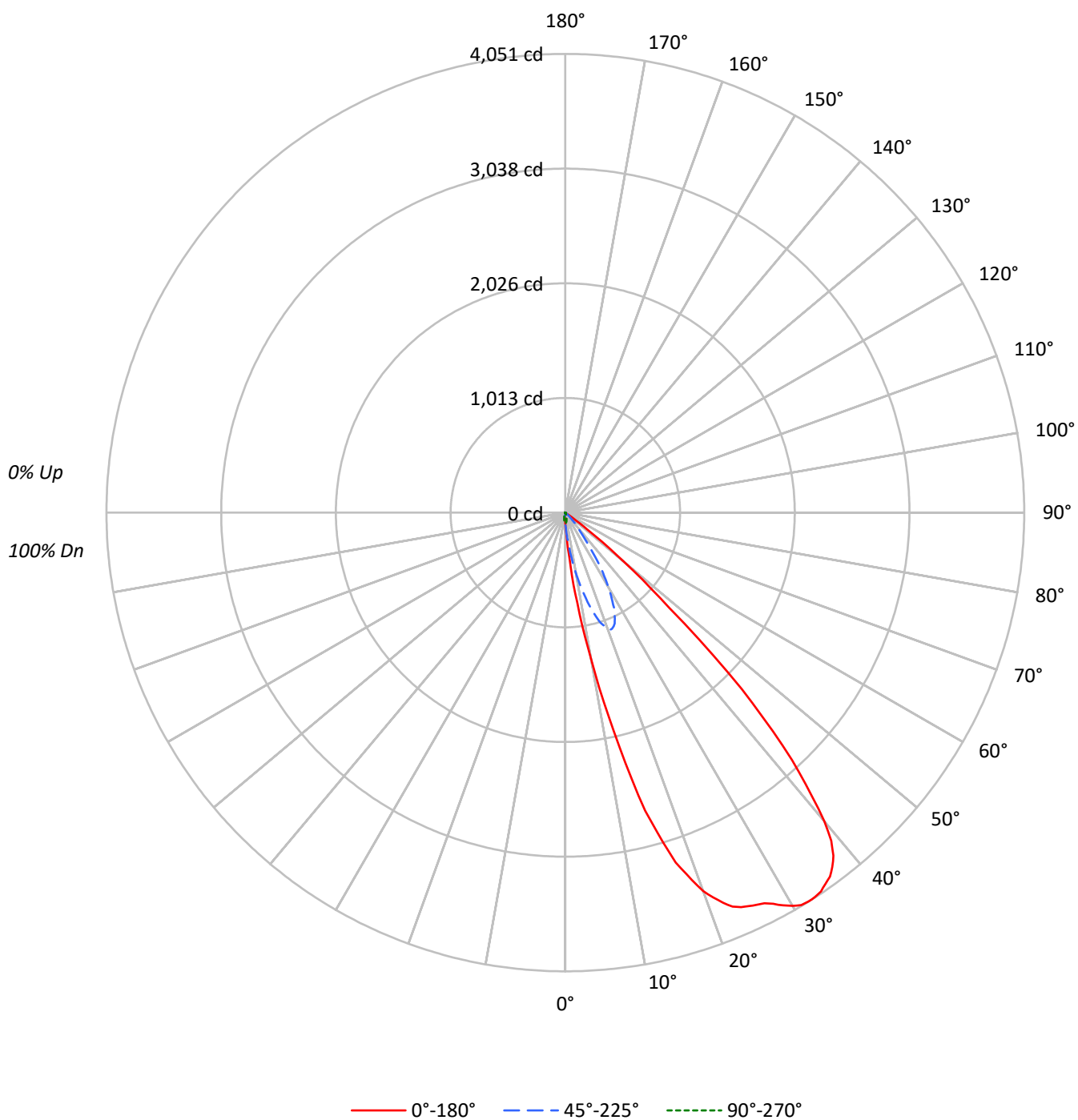
Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

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	106	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°	15707	15707	15707	15707	15707
5°	68253	42304	14574	5186	3596
10°	229722	95484	10895	1207	402
15°	486129	156635	6793	0	0
20°	651819	200137	3171	0	0
25°	728486	196545	665	0	0
30°	797491	150581	0	0	0
35°	841653	82038	0	0	0
40°	800092	36848	0	0	0
45°	537000	16318	0	0	0
50°	179380	1554	0	0	0
55°	9698	0	0	0	0
60°	0	0	413	0	0
65°	0	0	937	0	0
70°	0	604	1158	0	0
75°	0	799	1530	0	0
80°	0	1190	2281	0	0
85°	0	2371	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 537000 cd/sqm

TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	1.6
10°-20°	167.9	13.9
20°-30°	368.4	30.4
30°-40°	426.1	35.2
40°-50°	210.3	17.4
50°-60°	15.6	1.3
60°-70°	0.5	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°	555.8	45.9
0°-40°	981.9	81.1
0°-60°	1207.8	99.8
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	91	91	91	91	91	
5°	395	245	84	30	21	68
15°	2726	878	38	0	0	769
25°	3834	1034	4	0	0	1772
35°	4003	390	0	0	0	2472
45°	2205	67	0	0	0	1618
55°	32	0	0	0	0	132
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	

TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	181.2	185.8	183.5	183.5	182.4	176.6	166.2	162.8	150.1	118.9	92.3
5°	394.8	395.9	392.5	375.2	360.2	346.3	316.3	302.4	244.7	145.4	84.3
7.5°	801.1	783.8	761.9	737.6	684.5	636.0	572.6	505.6	378.6	168.5	75.0
10°	1313.6	1289.4	1270.9	1213.2	1117.4	1018.1	896.9	787.3	546.0	184.7	62.3
12.5°	1975.1	1961.2	1895.4	1780.0	1638.0	1494.9	1283.6	1109.3	714.5	188.2	50.8
15°	2726.5	2703.5	2603.0	2439.1	2246.3	2021.2	1738.4	1445.2	878.5	177.8	38.1
17.5°	3240.2	3227.5	3141.0	2969.0	2747.3	2461.1	2126.3	1760.4	1013.5	155.8	26.5
20°	3556.5	3538.0	3457.2	3311.8	3079.8	2780.8	2383.7	1961.2	1092.0	128.1	17.3
21°	3638.5	3620.0	3555.4	3404.1	3182.5	2861.6	2454.1	2009.7	1107.0	115.4	13.9
22°	3715.8	3697.3	3629.2	3495.3	3276.0	2941.3	2509.5	2046.6	1104.7	105.0	10.4
23°	3780.5	3760.8	3693.9	3570.4	3349.9	3011.7	2551.1	2065.1	1089.7	94.7	8.1
24°	3813.9	3802.4	3742.4	3625.8	3409.9	3061.3	2579.9	2072.0	1071.2	84.3	5.8
25°	3833.6	3819.7	3760.8	3653.5	3449.2	3100.6	2598.4	2066.3	1034.3	75.0	3.5
26°	3854.3	3833.6	3766.6	3662.7	3469.9	3119.0	2599.6	2051.3	995.0	67.0	1.2
27°	3872.8	3853.2	3783.9	3669.6	3473.4	3113.3	2590.3	2022.4	947.7	58.9	1.2
28°	3913.2	3891.3	3811.6	3684.7	3476.9	3098.2	2561.5	1983.2	885.4	51.9	0.0
29°	3966.3	3943.2	3852.0	3720.4	3484.9	3082.1	2522.2	1931.2	831.1	46.2	0.0
30°	4010.2	3989.4	3905.1	3765.5	3505.7	3067.1	2476.1	1860.8	757.2	39.2	0.0
31°	4042.5	4021.7	3944.4	3803.5	3524.2	3053.2	2418.3	1788.1	690.3	34.6	0.0
32°	4050.6	4033.3	3960.5	3819.7	3524.2	3032.4	2365.2	1706.1	624.5	28.9	0.0
33°	4047.1	4029.8	3955.9	3808.2	3493.0	2982.8	2300.6	1608.0	549.5	25.4	0.0
34°	4034.4	4013.6	3935.1	3771.2	3431.9	2898.5	2207.1	1509.9	471.0	20.8	0.0
35°	4003.2	3984.8	3899.4	3702.0	3337.2	2770.4	2082.4	1396.8	390.2	17.3	0.0
36°	3973.2	3945.5	3840.5	3616.5	3212.5	2638.8	1933.5	1266.3	320.9	13.9	0.0
37°	3917.8	3878.6	3772.4	3493.0	3035.9	2453.0	1763.8	1123.2	269.0	10.4	0.0
38°	3843.9	3790.8	3655.8	3349.9	2858.1	2278.7	1604.5	993.9	226.3	6.9	0.0
39°	3729.7	3667.3	3483.8	3153.7	2652.7	2076.7	1422.1	856.5	192.8	4.6	0.0
40°	3558.8	3500.0	3296.8	2920.5	2448.4	1853.9	1235.1	701.8	163.9	2.3	0.0
42.5°	2963.2	2882.4	2646.9	2272.9	1810.0	1333.3	817.3	390.2	108.5	0.0	0.0
45°	2204.8	2133.2	1902.4	1561.8	1206.3	816.1	437.5	229.7	67.0	0.0	0.0
47.5°	1245.5	1237.5	1087.4	896.9	673.0	434.0	221.6	138.5	28.9	0.0	0.0
50°	669.5	628.0	541.4	410.9	280.5	189.3	120.1	76.2	5.8	0.0	0.0
52.5°	244.7	236.6	198.5	165.1	127.0	86.6	61.2	33.5	0.0	0.0	0.0
55°	32.3	30.0	31.2	33.5	34.6	30.0	19.6	6.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.3	2.3	2.3	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	2.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3



TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

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	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1313569

CATALOG NUMBER: P3SQAS17R359730DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	91.2	91.2	91.2	91.2
2.5°	70.4	54.3	46.2	45.0
5°	48.5	30.0	21.9	20.8
7.5°	33.5	15.0	10.4	9.2
10°	19.6	6.9	3.5	2.3
12.5°	11.5	1.2	0.0	0.0
15°	3.5	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°	1.2	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)