

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: P1315350

Luminaire Tested: P3SQAS13R309740DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309740DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

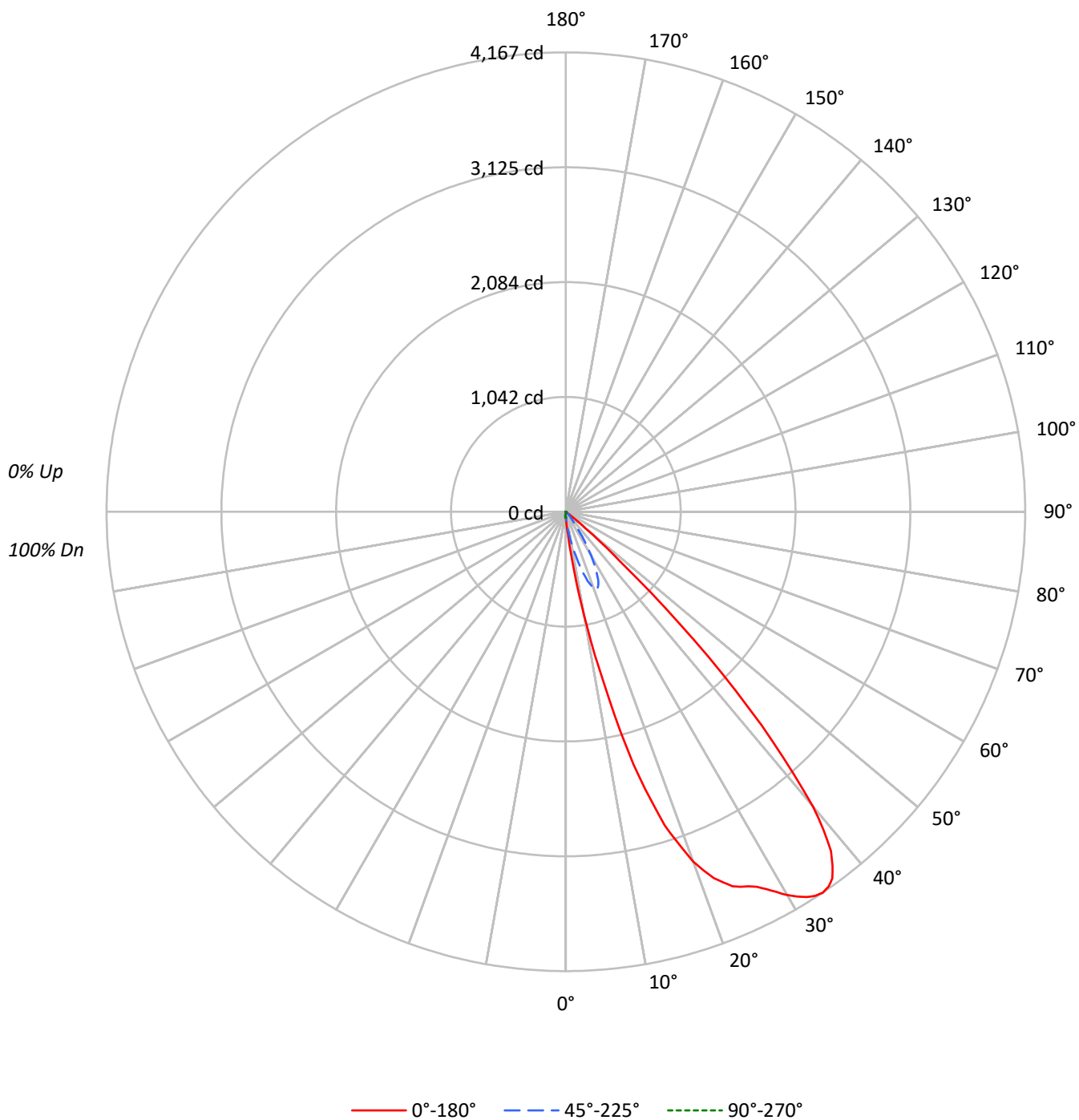
Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 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	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9248	9248	9248	9248	9248
5°	33522	20832	8454	3423	2438
10°	165926	49876	6593	665	0
15°	423262	94997	4190	0	0
20°	618445	135074	1723	0	0
25°	713493	132544	361	0	0
30°	798525	90981	0	0	0
35°	873316	39190	0	0	0
40°	783815	15243	0	0	0
45°	400266	6186	0	0	0
50°	61785	750	0	0	0
55°	3663	0	270	0	0
60°	0	0	310	0	0
65°	0	0	774	0	0
70°	0	453	957	0	0
75°	0	599	1863	0	0
80°	0	893	2777	0	0
85°	0	1778	5533	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 400266 cd/sqm

TEST NUMBER: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	1.1
10°-20°	133.6	13.3
20°-30°	330.3	32.9
30°-40°	379.8	37.9
40°-50°	140.9	14.0
50°-60°	5.1	0.5
60°-70°	0.5	0.0
70°-80°	0.8	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°	475.1	47.4
0°-40°	854.9	85.2
0°-60°	1000.9	99.8
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	194	120	49	20	14	42
15°	2374	533	24	0	0	682
25°	3755	698	2	0	0	1735
35°	4154	186	0	0	0	2518
45°	1643	25	0	0	0	1280
55°	12	0	1	0	0	42
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
2.5°	95.1	96.0	96.0	93.2	92.2	91.3	88.5	80.0	66.8	53.7	43.3
5°	193.9	194.8	194.8	189.2	177.9	166.6	157.2	120.5	77.2	48.9	32.0
7.5°	457.5	458.4	438.6	416.0	370.9	347.3	304.0	185.4	87.5	44.2	20.7
10°	948.8	928.1	876.3	810.4	740.8	650.4	559.1	285.2	95.1	37.7	13.2
12.5°	1586.0	1566.3	1499.4	1405.3	1268.8	1091.9	918.7	401.0	96.0	30.1	7.5
15°	2373.9	2318.3	2238.3	2082.1	1880.6	1606.7	1320.6	532.8	92.2	23.5	1.9
17.5°	2984.7	2933.9	2832.3	2649.6	2399.3	2095.2	1744.2	657.9	81.9	15.1	0.0
20°	3374.4	3320.8	3225.7	3064.7	2798.4	2441.6	2039.7	737.0	67.8	9.4	0.0
21°	3485.5	3433.7	3340.5	3180.5	2915.1	2559.3	2112.2	753.9	61.2	7.5	0.0
22°	3583.4	3542.9	3456.3	3282.2	3012.0	2645.9	2185.6	755.8	56.5	5.6	0.0
23°	3652.1	3622.9	3536.3	3376.3	3107.1	2716.5	2225.1	744.5	50.8	3.8	0.0
24°	3718.0	3682.2	3607.9	3459.1	3182.4	2775.8	2260.9	723.8	45.2	2.8	0.0
25°	3754.7	3713.3	3655.9	3516.6	3244.5	2813.4	2282.6	697.5	39.5	1.9	0.0
26°	3780.1	3748.1	3685.0	3550.4	3270.9	2837.9	2285.4	658.9	35.8	0.9	0.0
27°	3818.7	3786.7	3725.5	3580.6	3282.2	2834.1	2268.4	614.6	31.1	0.0	0.0
28°	3877.1	3834.7	3773.5	3612.6	3286.9	2818.1	2230.8	566.6	26.4	0.0	0.0
29°	3943.9	3900.6	3833.8	3654.9	3287.8	2786.1	2171.5	513.9	23.5	0.0	0.0
30°	4015.4	3977.8	3910.0	3696.3	3298.2	2744.7	2102.8	457.5	18.8	0.0	0.0
31°	4071.9	4038.0	3965.5	3734.0	3306.6	2708.9	2018.1	401.0	16.0	0.0	0.0
32°	4120.8	4090.7	4001.3	3742.5	3289.7	2658.1	1927.7	346.4	13.2	0.0	0.0
33°	4154.7	4117.1	4012.6	3720.8	3240.8	2574.3	1827.0	294.6	10.4	0.0	0.0
34°	4167.0	4121.8	3995.7	3664.3	3141.9	2447.3	1696.2	241.0	8.5	0.0	0.0
35°	4153.8	4098.2	3934.5	3567.4	3008.3	2295.7	1539.0	186.4	6.6	0.0	0.0
36°	4111.4	4040.8	3846.9	3429.0	2817.2	2116.9	1381.8	145.0	4.7	0.0	0.0
37°	4020.1	3942.0	3697.3	3246.4	2628.0	1911.7	1202.9	113.0	2.8	0.0	0.0
38°	3908.1	3795.2	3497.7	3015.8	2383.3	1681.1	1026.0	93.2	1.9	0.0	0.0
39°	3717.0	3592.8	3260.5	2750.4	2143.3	1461.8	853.7	80.9	0.9	0.0	0.0
40°	3486.4	3338.7	2989.4	2466.1	1859.9	1232.1	712.5	67.8	0.9	0.0	0.0
42.5°	2629.9	2504.7	2129.1	1677.3	1137.0	726.7	395.3	44.2	0.0	0.0	0.0
45°	1643.4	1512.6	1258.5	919.6	615.6	376.5	190.1	25.4	0.0	0.0	0.0
47.5°	671.1	615.6	506.4	389.7	278.6	177.0	79.1	11.3	0.0	0.0	0.0
50°	230.6	205.2	172.3	126.1	89.4	61.2	41.4	2.8	0.0	0.0	0.0
52.5°	66.8	67.8	59.3	50.8	39.5	28.2	20.7	0.0	0.0	0.0	0.0
55°	12.2	10.4	12.2	11.3	12.2	10.4	7.5	0.0	0.0	0.9	0.0
57.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	1.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9



TEST NUMBER: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	0.9
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: P1315350

CATALOG NUMBER: P3SQAS13R309740DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	53.7	53.7	53.7
2.5°	34.8	31.1	29.2
5°	19.8	15.1	14.1
7.5°	10.4	6.6	5.6
10°	3.8	0.9	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)