

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: P1309162

Luminaire Tested: P3SQAS13R409035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R409035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

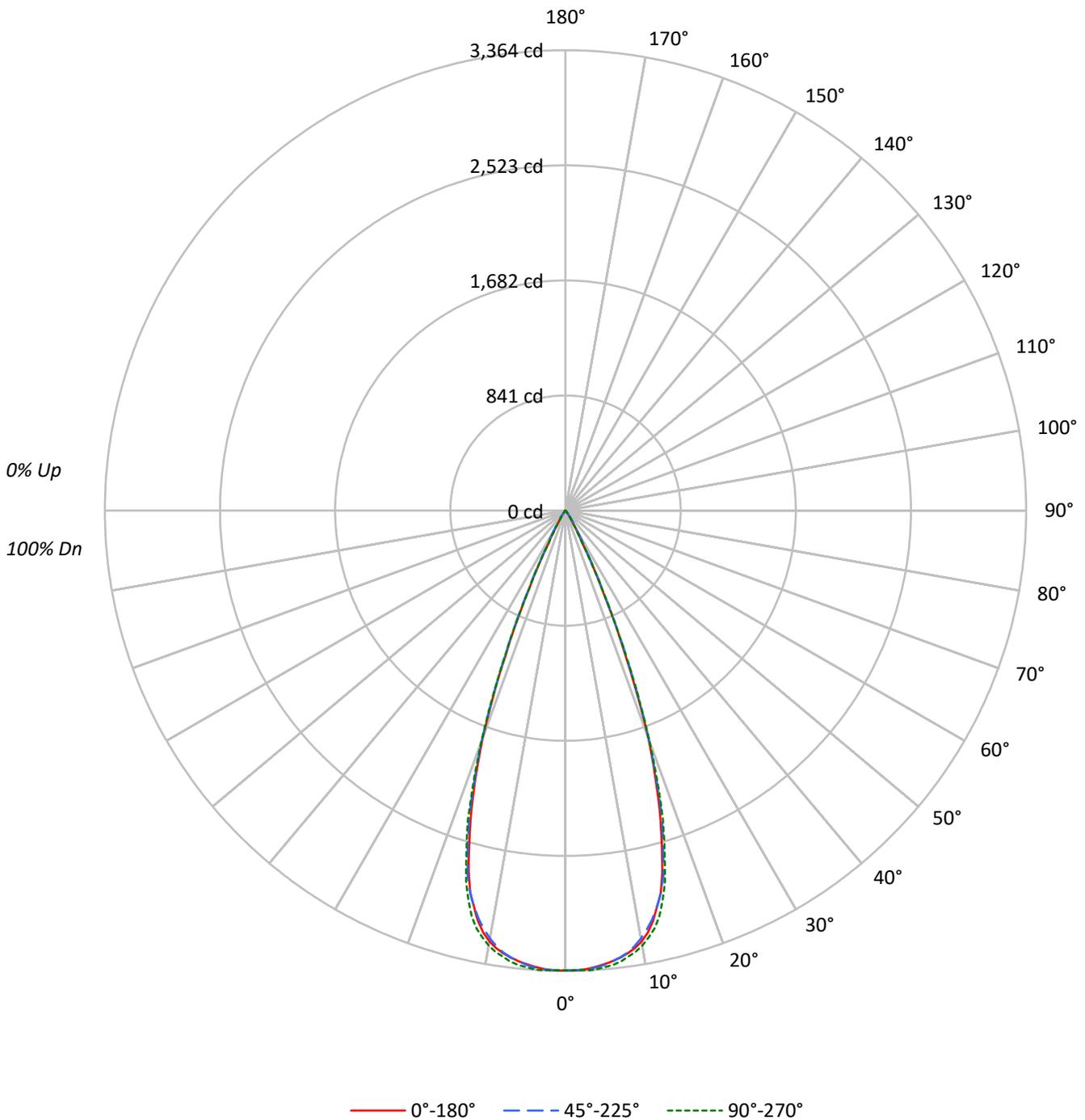
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	578651	578651	578651
5°	574810	575675	578787
10°	559247	555050	564319
15°	487271	492263	499930
20°	324563	326212	329328
25°	118007	121617	118577
30°	25057	33608	25057
35°	8830	14927	8410
40°	3147	4721	3147
45°	731	1948	731
50°	536	804	536
55°	601	601	601
60°	689	689	689
65°	408	815	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	22.1
10°-20°	731.6	51.5
20°-30°	329.3	23.2
30°-40°	37.5	2.6
40°-50°	5.4	0.4
50°-60°	1.8	0.1
60°-70°	1.5	0.1
70°-80°	0.9	0.1
80°-90°	0.0	0.0
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°	1374.9	96.7
0°-40°	1412.3	99.3
0°-60°	1419.5	99.8
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3360	3360	3360	3360	3360	
5°	3325	3321	3330	3345	3348	314
15°	2733	2740	2761	2783	2804	726
25°	621	625	640	640	624	321
35°	42	47	71	45	40	31
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3359.9	3359.9	3359.9	3359.9	3359.9
1°	3361.9	3358.9	3357.9	3363.9	3358.9
2°	3358.9	3356.9	3357.9	3363.9	3359.9
3°	3349.9	3350.9	3353.9	3364.9	3363.9
4°	3338.9	3337.9	3343.9	3357.9	3357.9
5°	3324.9	3320.9	3329.9	3344.9	3347.9
6°	3308.9	3303.9	3310.9	3329.9	3336.9
7°	3290.9	3280.9	3286.9	3309.9	3318.9
8°	3266.9	3253.9	3260.9	3283.9	3290.9
9°	3236.9	3216.9	3222.9	3250.9	3264.9
10°	3197.9	3172.9	3173.9	3204.9	3226.9
11°	3142.9	3114.9	3115.9	3154.9	3177.9
12°	3069.9	3044.9	3049.9	3085.9	3122.9
13°	2970.9	2963.9	2969.9	3008.9	3042.9
14°	2874.9	2867.9	2878.9	2914.9	2930.9
15°	2732.9	2739.9	2760.9	2782.9	2803.9
17.5°	2282.9	2309.9	2334.9	2349.9	2367.9
20°	1770.9	1739.9	1779.9	1761.9	1796.9
22.5°	1143.0	1166.0	1176.0	1166.0	1170.0
25°	621.0	625.0	640.0	640.0	624.0
27.5°	264.0	285.0	304.0	297.0	264.0
30°	126.0	145.0	169.0	146.0	126.0
32.5°	71.0	84.0	109.0	82.0	69.0
35°	42.0	47.0	71.0	45.0	40.0
37.5°	25.0	26.0	39.0	27.0	24.0
40°	14.0	17.0	21.0	17.0	14.0
42.5°	7.0	10.0	13.0	10.0	7.0
45°	3.0	5.0	8.0	5.0	3.0
47.5°	3.0	3.0	5.0	3.0	3.0
50°	2.0	2.0	3.0	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	1.0	2.0	2.0	2.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)