

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: P1313447

Luminaire Tested: P3SQAS13R409730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313447
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: P3SQAS13R409730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

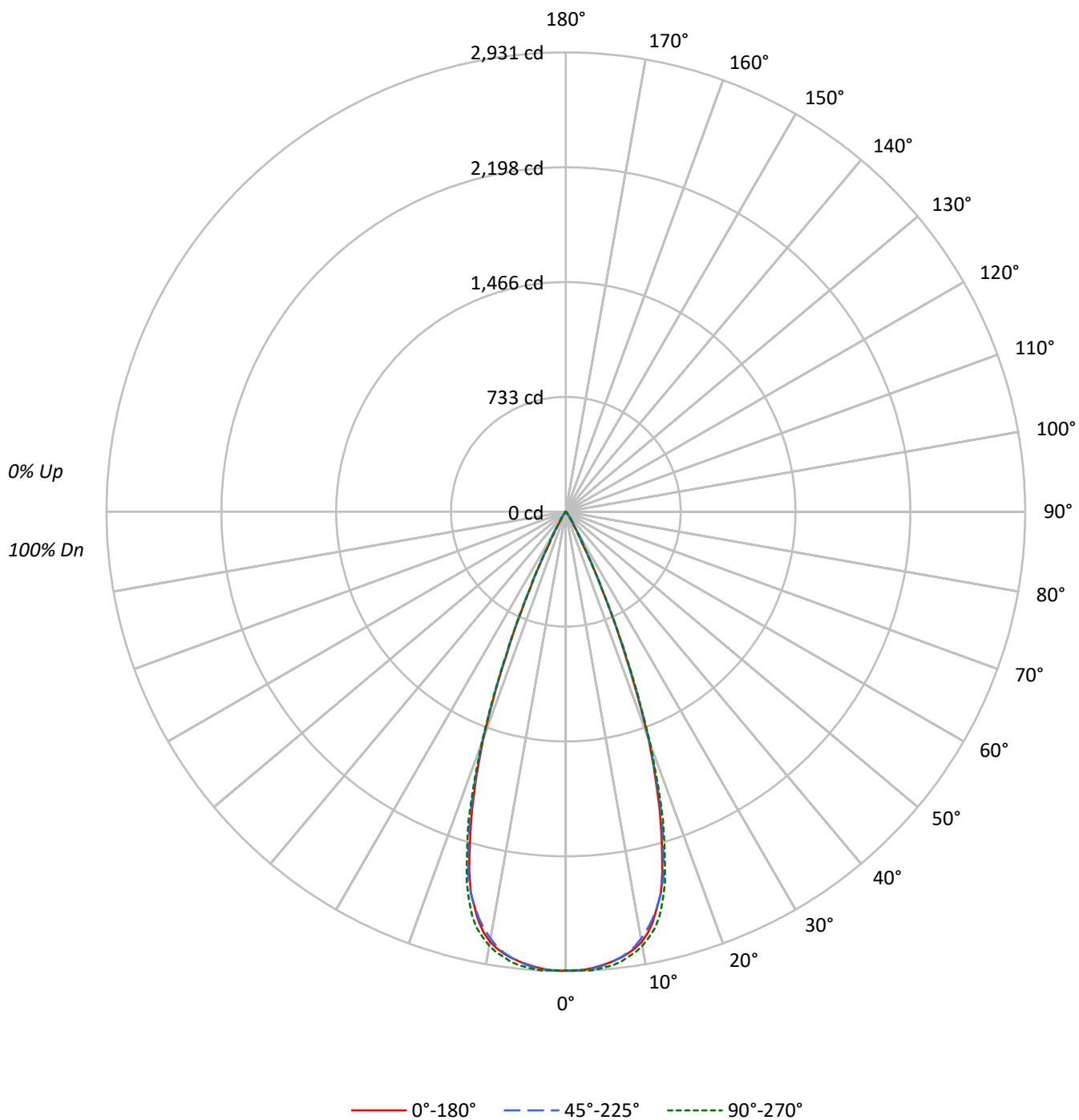
Lumens per Lamp: N/A
Luminaire Lumens: 1239.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (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			0
RW	70	50	30	10	70	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	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83	82
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80	76	74	73
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77	74	72	71
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	504182	504182	504182
5°	500835	501595	504292
10°	487284	483612	491691
15°	424563	428914	435600
20°	282794	284242	286954
25°	102823	105959	103317
30°	21835	29273	21835
35°	7695	13014	7338
40°	2743	4114	2743
45°	633	1705	633
50°	455	697	455
55°	510	510	510
60°	586	586	586
65°	367	693	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.5	22.1
10°-20°	637.5	51.5
20°-30°	286.9	23.2
30°-40°	32.7	2.6
40°-50°	4.7	0.4
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1197.9	96.7
0°-40°	1230.6	99.3
0°-60°	1236.8	99.8
0°-90°	1239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2897	2894	2901	2914	2917	273
15°	2381	2387	2406	2425	2443	632
25°	541	545	558	558	544	280
35°	37	41	62	39	35	27
45°	3	4	7	4	3	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2927.5	2927.5	2927.5	2927.5	2927.5
1°	2929.2	2926.6	2925.8	2931.0	2926.6
2°	2926.6	2924.9	2925.8	2931.0	2927.5
3°	2918.8	2919.7	2922.3	2931.9	2931.0
4°	2909.2	2908.3	2913.6	2925.8	2925.8
5°	2897.0	2893.5	2901.4	2914.4	2917.0
6°	2883.1	2878.7	2884.8	2901.4	2907.5
7°	2867.4	2858.7	2863.9	2883.9	2891.8
8°	2846.5	2835.1	2841.2	2861.3	2867.4
9°	2820.3	2802.9	2808.1	2832.5	2844.7
10°	2786.4	2764.6	2765.4	2792.5	2811.6
11°	2738.4	2714.0	2714.9	2748.9	2768.9
12°	2674.8	2653.0	2657.4	2688.8	2721.0
13°	2588.6	2582.5	2587.7	2621.7	2651.3
14°	2504.9	2498.8	2508.4	2539.8	2553.7
15°	2381.2	2387.3	2405.6	2424.8	2443.1
17.5°	1989.1	2012.7	2034.4	2047.5	2063.2
20°	1543.0	1516.0	1550.9	1535.2	1565.7
22.5°	995.9	1015.9	1024.6	1015.9	1019.4
25°	541.1	544.6	557.6	557.6	543.7
27.5°	230.0	248.3	264.9	258.8	230.0
30°	109.8	126.3	147.2	127.2	109.8
32.5°	61.9	73.2	95.0	71.4	60.1
35°	36.6	41.0	61.9	39.2	34.9
37.5°	21.8	22.7	34.0	23.5	20.9
40°	12.2	14.8	18.3	14.8	12.2
42.5°	6.1	8.7	11.3	8.7	6.1
45°	2.6	4.4	7.0	4.4	2.6
47.5°	2.6	2.6	4.4	2.6	2.6
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	0.9	1.7	1.7	1.7	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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)