

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: P1306926

Luminaire Tested: P3SQAS13R409027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306926
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: P3SQAS13R409027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

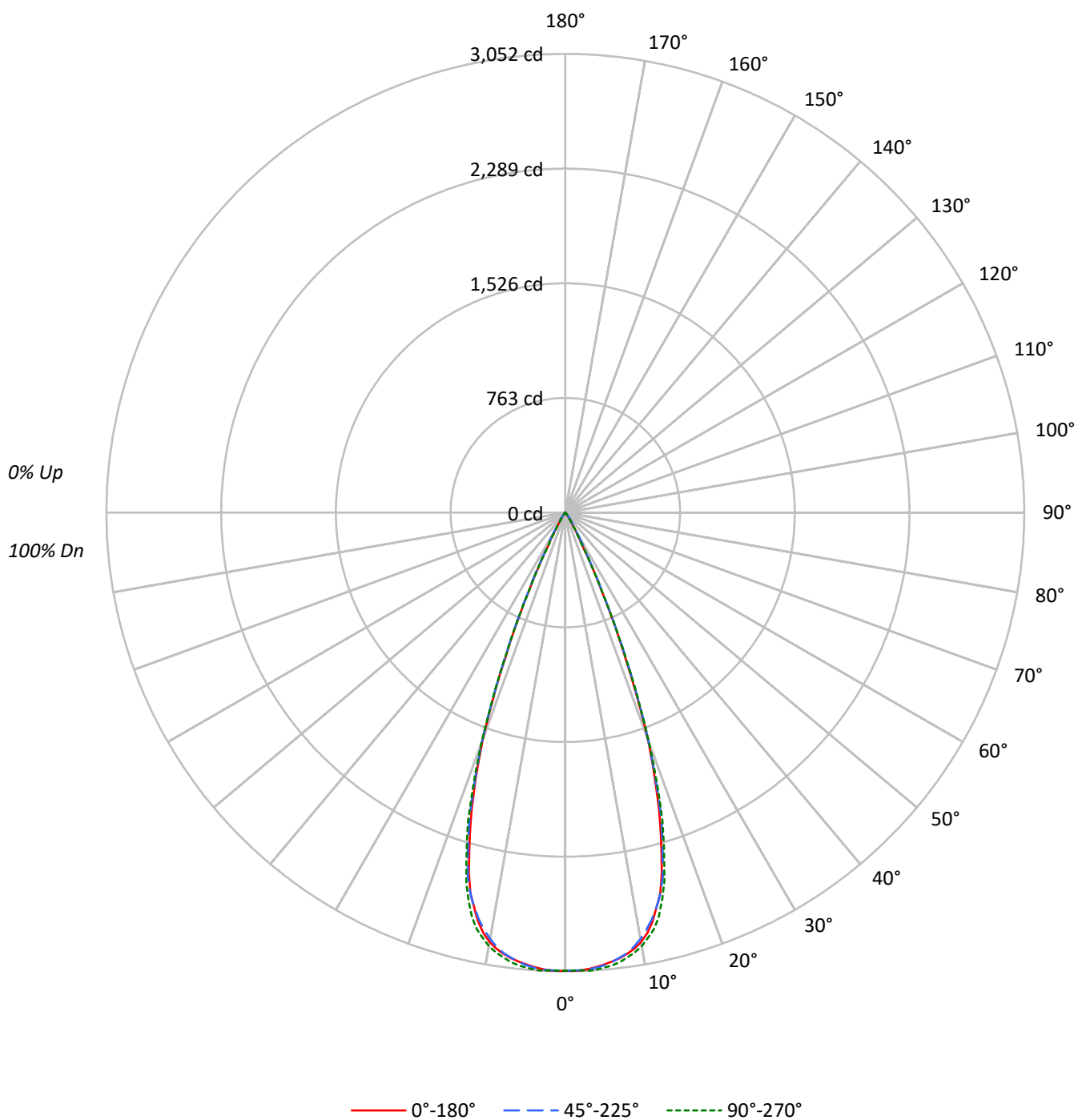
Lumens per Lamp: N/A
Luminaire Lumens: 1290.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	524935	524935	524935
5°	521459	522237	525055
10°	507325	503530	511942
15°	442036	446565	453519
20°	294450	295935	298757
25°	107042	110329	107574
30°	22730	30486	22730
35°	8010	13540	7632
40°	2855	4294	2855
45°	658	1778	658
50°	482	723	482
55°	540	540	540
60°	620	620	620
65°	367	734	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: 1778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	22.1
10°-20°	663.7	51.5
20°-30°	298.7	23.2
30°-40°	34.0	2.6
40°-50°	4.9	0.4
50°-60°	1.6	0.1
60°-70°	1.4	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°	1247.2	96.7
0°-40°	1281.2	99.3
0°-60°	1287.7	99.8
0°-90°	1290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3048	3048	3048	3048	3048	
5°	3016	3013	3021	3034	3037	285
15°	2479	2486	2505	2525	2544	658
25°	563	567	581	581	566	292
35°	38	43	64	41	36	28
45°	3	4	7	4	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3048.0	3048.0	3048.0	3048.0	3048.0
1°	3049.8	3047.1	3046.2	3051.6	3047.1
2°	3047.1	3045.3	3046.2	3051.6	3048.0
3°	3038.9	3039.8	3042.6	3052.5	3051.6
4°	3029.0	3028.0	3033.5	3046.2	3046.2
5°	3016.3	3012.6	3020.8	3034.4	3037.1
6°	3001.7	2997.2	3003.6	3020.8	3027.1
7°	2985.4	2976.3	2981.8	3002.6	3010.8
8°	2963.6	2951.8	2958.2	2979.1	2985.4
9°	2936.4	2918.3	2923.7	2949.1	2961.8
10°	2901.0	2878.4	2879.3	2907.4	2927.4
11°	2851.2	2825.8	2826.7	2862.0	2882.9
12°	2784.9	2762.3	2766.8	2799.4	2833.0
13°	2695.1	2688.8	2694.2	2729.6	2760.4
14°	2608.0	2601.7	2611.7	2644.3	2658.8
15°	2479.2	2485.6	2504.6	2524.6	2543.6
17.5°	2071.0	2095.5	2118.2	2131.8	2148.1
20°	1606.6	1578.4	1614.7	1598.4	1630.1
22.5°	1036.9	1057.7	1066.8	1057.7	1061.4
25°	563.3	567.0	580.6	580.6	566.1
27.5°	239.5	258.5	275.8	269.4	239.5
30°	114.3	131.5	153.3	132.4	114.3
32.5°	64.4	76.2	98.9	74.4	62.6
35°	38.1	42.6	64.4	40.8	36.3
37.5°	22.7	23.6	35.4	24.5	21.8
40°	12.7	15.4	19.1	15.4	12.7
42.5°	6.4	9.1	11.8	9.1	6.4
45°	2.7	4.5	7.3	4.5	2.7
47.5°	2.7	2.7	4.5	2.7	2.7
50°	1.8	1.8	2.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	0.9	1.8	1.8	1.8	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)