

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: P1314419

Luminaire Tested: P3SQAS13R409735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314419
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: P3SQAS13R409735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

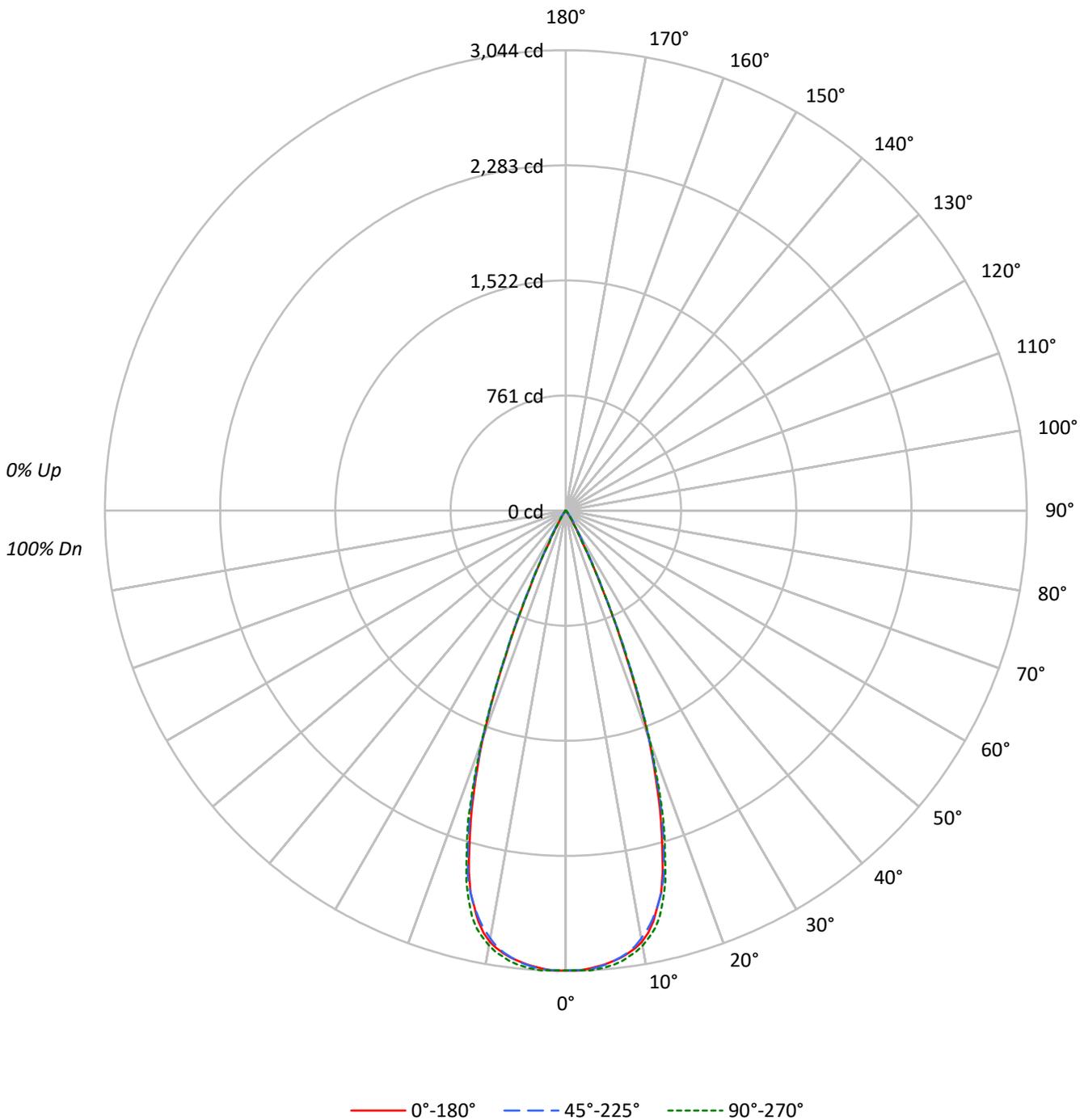
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1287.0 lumens
Efficiency: N/A
Efficacy: 88.1 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

TEST NUMBER: P1314419
CATALOG NUMBER: P3SQAS13R409735DE010 E3SQCD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314419
 CATALOG NUMBER: P3SQAS13R409735DE010 E3SQCD1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	523712	523712	523712
5°	520232	521027	523845
10°	506154	502359	510735
15°	441020	445531	452467
20°	293754	295257	298061
25°	106795	110063	107308
30°	22671	30426	22671
35°	7989	13519	7611
40°	2855	4272	2855
45°	658	1754	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: 1754 cd/sqm



TEST NUMBER: P1314419

CATALOG NUMBER: P3SQAS13R409735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	22.1
10°-20°	662.2	51.5
20°-30°	298.0	23.2
30°-40°	33.9	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°	1244.3	96.7
0°-40°	1278.3	99.3
0°-60°	1284.7	99.8
0°-90°	1287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3041	3041	3041	3041	3041	
5°	3009	3006	3014	3027	3030	284
15°	2474	2480	2499	2519	2538	657
25°	562	566	579	579	565	291
35°	38	42	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	0



TEST NUMBER: P1314419

CATALOG NUMBER: P3SQAS13R409735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3040.9	3040.9	3040.9	3040.9	3040.9
1°	3042.7	3040.0	3039.1	3044.5	3040.0
2°	3040.0	3038.2	3039.1	3044.5	3040.9
3°	3031.9	3032.8	3035.5	3045.4	3044.5
4°	3021.9	3021.0	3026.4	3039.1	3039.1
5°	3009.2	3005.6	3013.8	3027.3	3030.1
6°	2994.8	2990.2	2996.6	3013.8	3020.1
7°	2978.5	2969.4	2974.8	2995.7	3003.8
8°	2956.7	2945.0	2951.3	2972.1	2978.5
9°	2929.6	2911.5	2916.9	2942.3	2954.9
10°	2894.3	2871.7	2872.6	2900.6	2920.5
11°	2844.5	2819.2	2820.1	2855.4	2876.2
12°	2778.5	2755.8	2760.4	2792.9	2826.4
13°	2688.9	2682.5	2688.0	2723.2	2754.0
14°	2602.0	2595.6	2605.6	2638.2	2652.7
15°	2473.5	2479.8	2498.8	2518.7	2537.7
17.5°	2066.2	2090.6	2113.3	2126.8	2143.1
20°	1602.8	1574.8	1611.0	1594.7	1626.3
22.5°	1034.5	1055.3	1064.3	1055.3	1058.9
25°	562.0	565.6	579.2	579.2	564.7
27.5°	238.9	257.9	275.1	268.8	238.9
30°	114.0	131.2	153.0	132.1	114.0
32.5°	64.3	76.0	98.6	74.2	62.4
35°	38.0	42.5	64.3	40.7	36.2
37.5°	22.6	23.5	35.3	24.4	21.7
40°	12.7	15.4	19.0	15.4	12.7
42.5°	6.3	9.1	11.8	9.1	6.3
45°	2.7	4.5	7.2	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



TEST NUMBER: P1314419
CATALOG NUMBER: P3SQAS13R409735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)