

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: P1315391

Luminaire Tested: P3SQAS13R409740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315391
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: P3SQAS13R409740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

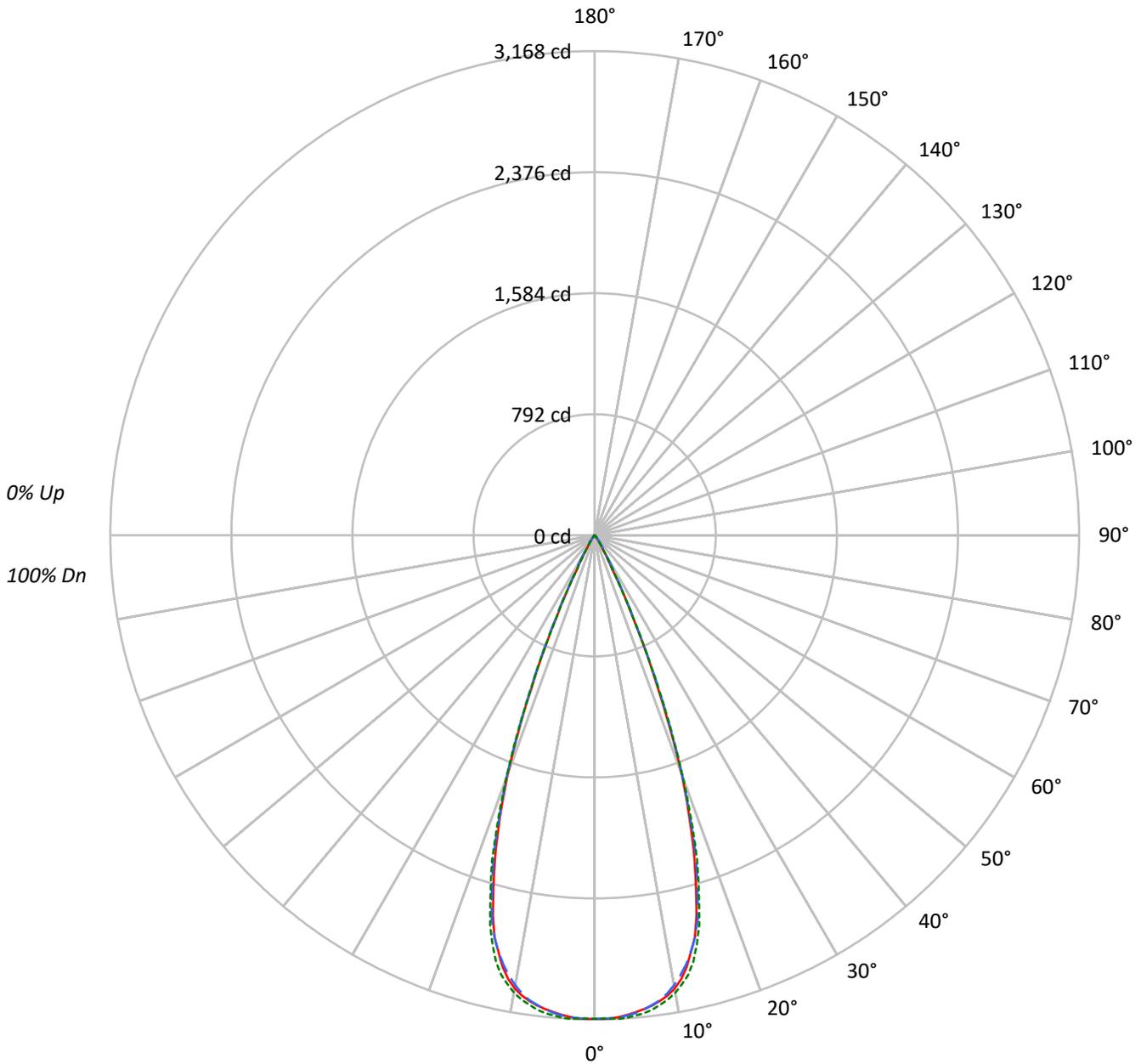
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1339.0 lumens
Efficiency: N/A
Efficacy: 91.7 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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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°	544878	544878	544878
5°	541254	542067	545006
10°	526597	522645	531371
15°	458832	463539	470760
20°	305630	307188	310120
25°	111109	114510	111660
30°	23585	31640	23585
35°	8305	14065	7926
40°	2968	4451	2968
45°	682	1827	682
50°	509	750	509
55°	570	570	570
60°	654	654	654
65°	367	774	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: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	22.1
10°-20°	688.9	51.5
20°-30°	310.1	23.2
30°-40°	35.3	2.6
40°-50°	5.0	0.4
50°-60°	1.7	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°	1294.6	96.7
0°-40°	1329.9	99.3
0°-60°	1336.7	99.8
0°-90°	1339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3164	3164	3164	3164	3164	
5°	3131	3127	3136	3150	3152	295
15°	2573	2580	2600	2620	2640	683
25°	585	588	603	603	588	303
35°	40	44	67	42	38	30
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°	3163.8	3163.8	3163.8	3163.8	3163.8
1°	3165.7	3162.8	3161.9	3167.5	3162.8
2°	3162.8	3161.0	3161.9	3167.5	3163.8
3°	3154.4	3155.3	3158.1	3168.5	3167.5
4°	3144.0	3143.1	3148.7	3161.9	3161.9
5°	3130.8	3127.1	3135.5	3149.7	3152.5
6°	3115.8	3111.1	3117.6	3135.5	3142.1
7°	3098.8	3089.4	3095.0	3116.7	3125.2
8°	3076.2	3064.0	3070.6	3092.2	3098.8
9°	3048.0	3029.1	3034.8	3061.1	3074.3
10°	3011.2	2987.7	2988.6	3017.8	3038.5
11°	2959.5	2933.1	2934.0	2970.8	2992.4
12°	2890.7	2867.2	2871.9	2905.8	2940.6
13°	2797.5	2790.9	2796.6	2833.3	2865.3
14°	2707.1	2700.5	2710.9	2744.8	2759.8
15°	2573.4	2580.0	2599.8	2620.5	2640.3
17.5°	2149.7	2175.1	2198.6	2212.8	2229.7
20°	1667.6	1638.4	1676.1	1659.1	1692.1
22.5°	1076.3	1097.9	1107.3	1097.9	1101.7
25°	584.7	588.5	602.6	602.6	587.6
27.5°	248.6	268.4	286.2	279.7	248.6
30°	118.6	136.5	159.1	137.5	118.6
32.5°	66.9	79.1	102.6	77.2	65.0
35°	39.5	44.3	66.9	42.4	37.7
37.5°	23.5	24.5	36.7	25.4	22.6
40°	13.2	16.0	19.8	16.0	13.2
42.5°	6.6	9.4	12.2	9.4	6.6
45°	2.8	4.7	7.5	4.7	2.8
47.5°	2.8	2.8	4.7	2.8	2.8
50°	1.9	1.9	2.8	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	0.9	1.9	1.9	1.9	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)