

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: P1316327

Luminaire Tested: P3SQAS13R709827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

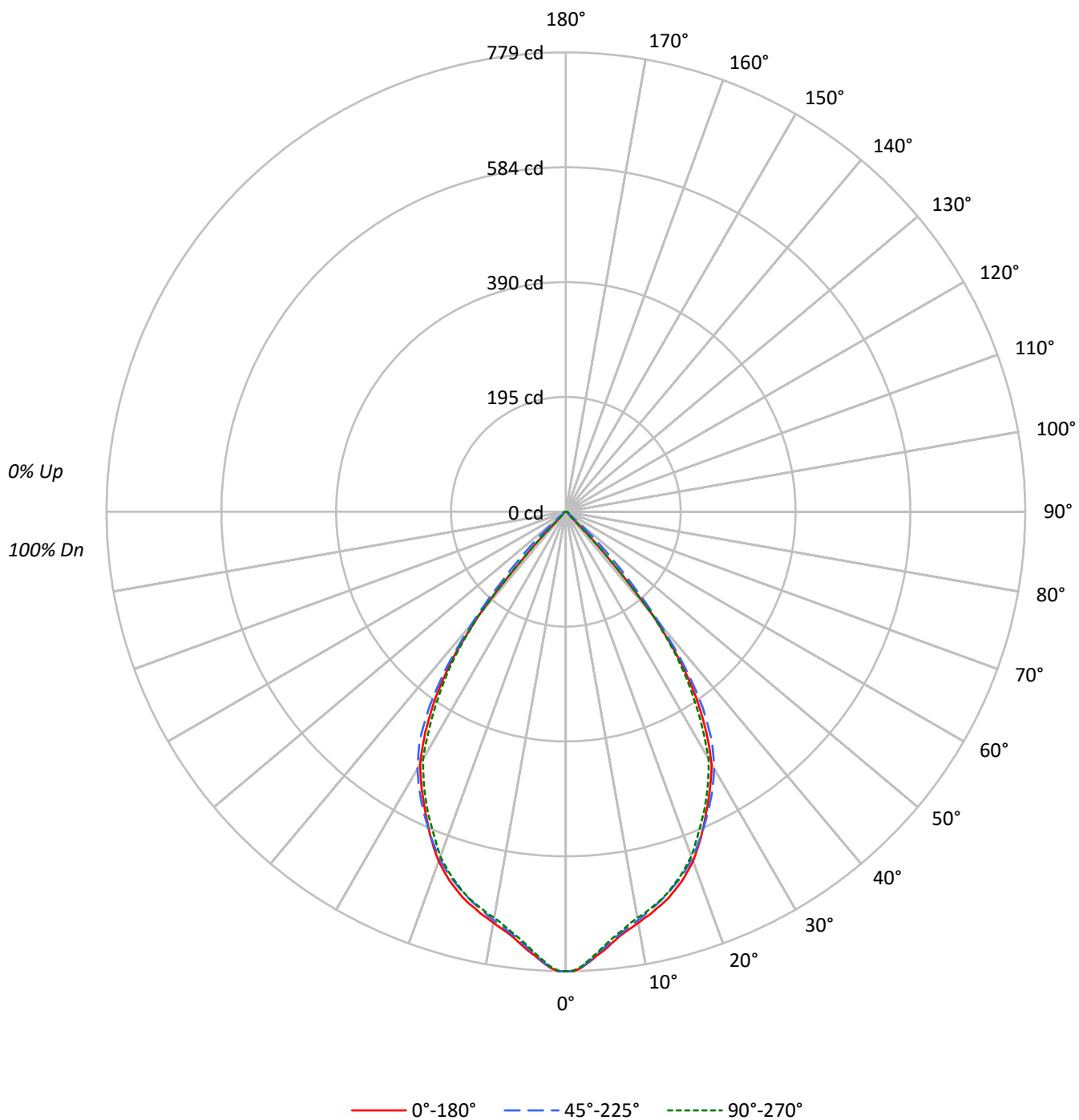
Lumens per Lamp: N/A
Luminaire Lumens: 831.1 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	51		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134230	134230	134230
5°	129021	128312	127845
10°	123780	123063	122241
15°	120654	119335	119210
20°	115610	114749	113997
25°	107023	107802	105750
30°	98319	100049	96291
35°	81070	84918	77959
40°	51619	55576	51619
45°	3629	24015	3946
50°	1634	4876	1634
55°	1832	1832	1832
60°	1860	1860	1860
65°	1671	1915	1671
70°	1712	2065	1712
75°	1797	1797	1797
80°	1984	1984	1984
85°	1383	2766	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 24015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	8.4
10°-20°	188.3	22.7
20°-30°	258.8	31.1
30°-40°	237.1	28.5
40°-50°	62.9	7.6
50°-60°	5.6	0.7
60°-70°	4.6	0.6
70°-80°	3.1	0.4
80°-90°	1.2	0.1
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°	516.6	62.2
0°-40°	753.7	90.7
0°-60°	822.2	98.9
0°-90°	831.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	779	779	779	779	779	
5°	746	743	742	741	740	70
15°	677	671	669	669	669	190
25°	563	565	567	560	556	259
35°	386	392	404	386	371	234
45°	15	51	99	51	16	45
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.4	779.4	779.4	779.4	779.4
1°	779.4	778.0	779.4	779.4	778.0
2°	773.3	771.9	772.6	771.9	771.3
3°	764.5	762.5	763.2	761.8	760.5
4°	754.4	752.3	752.3	751.7	750.3
5°	746.3	742.9	742.2	740.9	739.5
6°	736.8	733.4	732.8	730.7	729.4
7°	727.4	724.7	724.0	721.3	721.3
8°	719.9	716.6	716.6	713.2	713.2
9°	713.9	709.8	709.8	707.1	705.7
10°	707.8	703.7	703.7	700.3	699.0
11°	701.7	698.3	697.0	694.9	694.3
12°	696.3	691.6	690.2	689.5	688.2
13°	689.5	684.8	683.5	682.8	682.1
14°	683.5	677.4	676.7	675.4	676.0
15°	676.7	670.6	669.3	669.3	668.6
17.5°	655.8	651.7	649.7	648.3	647.0
20°	630.8	627.4	626.1	623.4	622.0
22.5°	598.4	597.7	597.0	593.6	588.2
25°	563.2	565.3	567.3	560.5	556.5
27.5°	529.5	534.9	536.9	530.2	521.4
30°	494.4	499.1	503.1	493.7	484.2
32.5°	443.7	455.2	461.3	450.5	428.9
35°	385.6	391.7	403.9	385.6	370.8
37.5°	318.1	321.5	330.9	318.8	308.6
40°	229.6	239.8	247.2	239.8	229.6
42.5°	103.3	144.5	163.4	152.6	108.1
45°	14.9	50.7	98.6	51.3	16.2
47.5°	6.1	8.1	51.3	7.4	6.1
50°	6.1	6.1	18.2	6.1	6.1
52.5°	6.1	6.1	6.8	6.1	6.1
55°	6.1	6.1	6.1	6.1	6.1
57.5°	5.4	5.4	6.1	5.4	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	4.7	5.4	5.4	5.4	4.7
65°	4.1	4.7	4.7	4.7	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	3.4	4.1	4.1	4.1	3.4
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.0	2.7	2.7	2.7	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	0.7
87.5°	0.7	0.7	0.7	0.7	0.7



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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)