

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: P1312449

Luminaire Tested: P3SQAS13R309727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

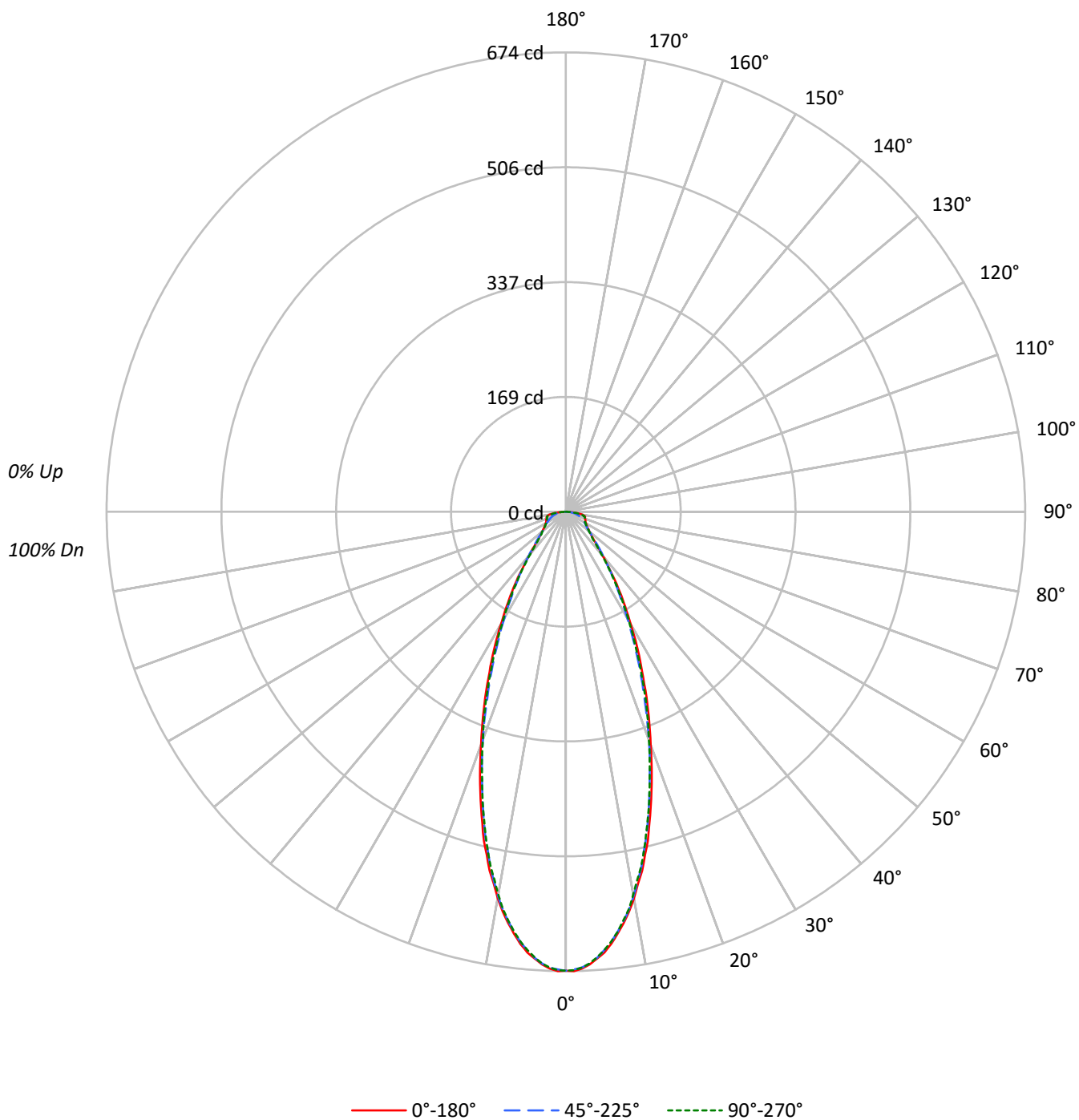
Lumens per Lamp: N/A
Luminaire Lumens: 531.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115975	115975	115975
5°	112199	111629	111629
10°	100696	100118	99699
15°	84388	83087	82944
20°	66621	65283	65283
25°	51003	48989	49920
30°	37844	35895	36711
35°	27353	26154	26323
40°	18840	19200	18278
45°	14053	14662	13469
50°	12191	11977	11977
55°	11470	10990	11230
60°	11780	10919	11470
65°	12918	10921	12592
70°	15157	11078	14754
75°	19497	11911	18964
80°	24200	12893	22613
85°	19365	12844	17587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	11.2
10°-20°	129.1	24.3
20°-30°	120.3	22.7
30°-40°	79.8	15.0
40°-50°	46.5	8.8
50°-60°	33.8	6.4
60°-70°	28.6	5.4
70°-80°	23.7	4.5
80°-90°	9.9	1.9
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°	308.8	58.1
0°-40°	388.6	73.2
0°-60°	468.9	88.3
0°-90°	531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	649	648	646	646	646	60
15°	473	468	466	465	465	131
25°	268	264	258	259	263	124
35°	130	128	124	125	125	82
45°	58	59	60	57	55	46
55°	38	37	37	37	37	35
65°	32	28	27	28	31	32
75°	29	22	18	22	28	30
85°	10	11	6	11	9	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	673.4	673.4	673.4	673.4	673.4
1°	674.2	673.4	671.7	672.6	672.6
2°	670.9	670.1	669.3	669.3	669.3
3°	665.2	664.4	663.6	663.6	663.6
4°	657.1	656.3	656.3	655.5	655.5
5°	649.0	648.2	645.7	645.7	645.7
6°	637.6	636.8	635.1	634.3	634.3
7°	623.8	623.8	621.3	620.5	621.3
8°	609.1	608.3	606.7	605.9	605.9
9°	593.7	591.2	591.2	588.8	590.4
10°	575.8	574.1	572.5	570.9	570.1
11°	555.4	554.6	552.2	550.6	549.8
12°	538.4	534.3	532.7	530.2	531.9
13°	516.4	514.0	509.9	509.1	509.9
14°	497.7	492.8	489.6	487.9	487.1
15°	473.3	468.4	466.0	465.2	465.2
17.5°	418.8	415.6	409.1	409.1	409.1
20°	363.5	360.3	356.2	355.4	356.2
22.5°	315.5	309.8	303.3	304.2	309.0
25°	268.4	263.5	257.8	258.6	262.7
27.5°	228.5	222.0	216.3	217.9	220.4
30°	190.3	186.2	180.5	182.2	184.6
32.5°	157.8	155.3	148.8	150.4	152.9
35°	130.1	127.7	124.4	125.2	125.2
37.5°	104.1	104.1	103.3	102.5	101.7
40°	83.8	85.4	85.4	83.0	81.3
42.5°	68.3	69.9	71.6	68.3	65.9
45°	57.7	58.6	60.2	56.9	55.3
47.5°	50.4	50.4	52.0	49.6	48.8
50°	45.5	45.5	44.7	43.9	44.7
52.5°	41.5	40.7	39.8	40.7	40.7
55°	38.2	37.4	36.6	37.4	37.4
57.5°	35.8	35.0	34.2	34.2	35.0
60°	34.2	32.5	31.7	32.5	33.3
62.5°	32.5	30.1	29.3	30.1	31.7
65°	31.7	28.5	26.8	28.5	30.9
67.5°	30.9	26.8	24.4	26.8	30.1
70°	30.1	25.2	22.0	25.2	29.3
72.5°	29.3	23.6	20.3	23.6	29.3
75°	29.3	22.0	17.9	22.0	28.5
77.5°	27.7	20.3	15.5	20.3	26.8
80°	24.4	18.7	13.0	17.9	22.8
82.5°	17.9	16.3	9.8	15.5	17.1
85°	9.8	11.4	6.5	10.6	8.9
87.5°	1.6	2.4	1.6	4.9	3.3



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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)