

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: P1312431

Luminaire Tested: P3SQAS13R259727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

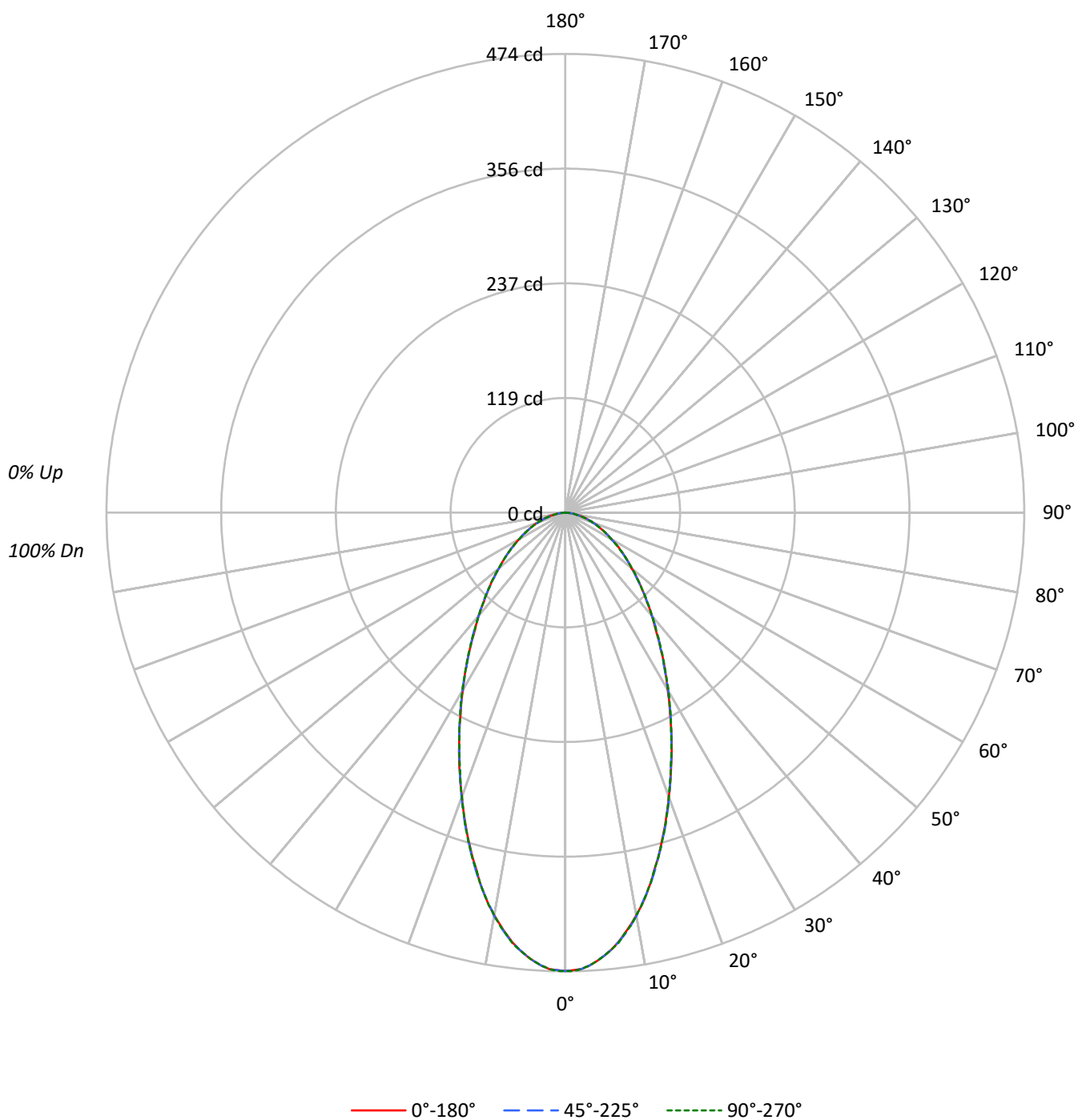
Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81582	81582	81582
5°	79490	79490	79490
10°	73869	74009	73869
15°	65881	66024	66024
20°	57274	57420	57274
25°	49331	49179	49179
30°	42080	42239	42398
35°	36099	36099	36267
40°	31295	31295	31295
45°	27352	27352	27352
50°	23980	23980	24194
55°	21499	21499	21499
60°	19048	19048	19048
65°	17238	17238	17238
70°	15560	15157	15560
75°	14107	13508	13508
80°	11306	11306	11306
85°	8102	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	7.2
10°-20°	103.1	17.4
20°-30°	119.1	20.1
30°-40°	108.0	18.2
40°-50°	87.0	14.7
50°-60°	64.1	10.8
60°-70°	42.2	7.1
70°-80°	21.8	3.7
80°-90°	4.9	0.8
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°	264.9	44.7
0°-40°	373.0	62.9
0°-60°	524.1	88.4
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	460	461	460	460	460	43
15°	370	370	370	370	370	103
25°	260	259	259	260	259	119
35°	172	172	172	172	172	108
45°	112	112	112	112	112	87
55°	72	72	72	71	72	64
65°	42	42	42	42	42	42
75°	21	20	20	20	20	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	473.7	473.7	473.7	473.7	473.7
1°	472.8	474.5	472.8	472.8	473.7
2°	472.0	472.8	472.0	472.0	472.0
3°	468.8	470.4	468.8	468.8	468.8
4°	464.7	466.3	464.7	464.7	464.7
5°	459.8	461.4	459.8	459.8	459.8
6°	454.1	454.9	454.1	454.1	454.1
7°	447.6	448.4	447.6	447.6	448.4
8°	439.5	440.3	440.3	439.5	439.5
9°	431.3	432.1	432.1	431.3	432.1
10°	422.4	423.2	423.2	422.4	422.4
11°	413.4	414.2	412.6	412.6	413.4
12°	402.8	403.7	402.8	402.8	402.8
13°	392.3	392.3	392.3	392.3	392.3
14°	380.1	381.7	381.7	380.9	380.1
15°	369.5	370.3	370.3	369.5	370.3
17.5°	341.0	342.6	341.8	341.8	341.8
20°	312.5	313.3	313.3	312.5	312.5
22.5°	285.7	284.8	284.8	284.8	284.8
25°	259.6	258.8	258.8	259.6	258.8
27.5°	234.4	235.2	235.2	234.4	235.2
30°	211.6	211.6	212.4	211.6	213.2
32.5°	191.3	191.3	190.4	191.3	191.3
35°	171.7	171.7	171.7	171.7	172.5
37.5°	153.8	154.6	155.4	155.4	154.6
40°	139.2	139.2	139.2	139.2	139.2
42.5°	124.5	124.5	125.3	125.3	125.3
45°	112.3	112.3	112.3	112.3	112.3
47.5°	100.9	100.9	100.1	100.1	100.9
50°	89.5	90.3	89.5	89.5	90.3
52.5°	80.6	79.8	79.8	80.6	80.6
55°	71.6	71.6	71.6	70.8	71.6
57.5°	63.5	63.5	62.7	62.7	62.7
60°	55.3	55.3	55.3	55.3	55.3
62.5°	48.8	48.8	48.8	48.8	48.8
65°	42.3	42.3	42.3	42.3	42.3
67.5°	36.6	36.6	36.6	36.6	35.8
70°	30.9	30.9	30.1	30.1	30.9
72.5°	25.2	25.2	25.2	25.2	25.2
75°	21.2	20.3	20.3	20.3	20.3
77.5°	16.3	16.3	15.5	16.3	15.5
80°	11.4	11.4	11.4	11.4	11.4
82.5°	8.1	7.3	7.3	7.3	7.3
85°	4.1	4.1	4.1	4.1	4.1
87.5°	0.8	0.8	0.8	0.8	1.6



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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)