

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: P1308000

Luminaire Tested: P3SQAS13R259030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308000
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: P3SQAS13R259030DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

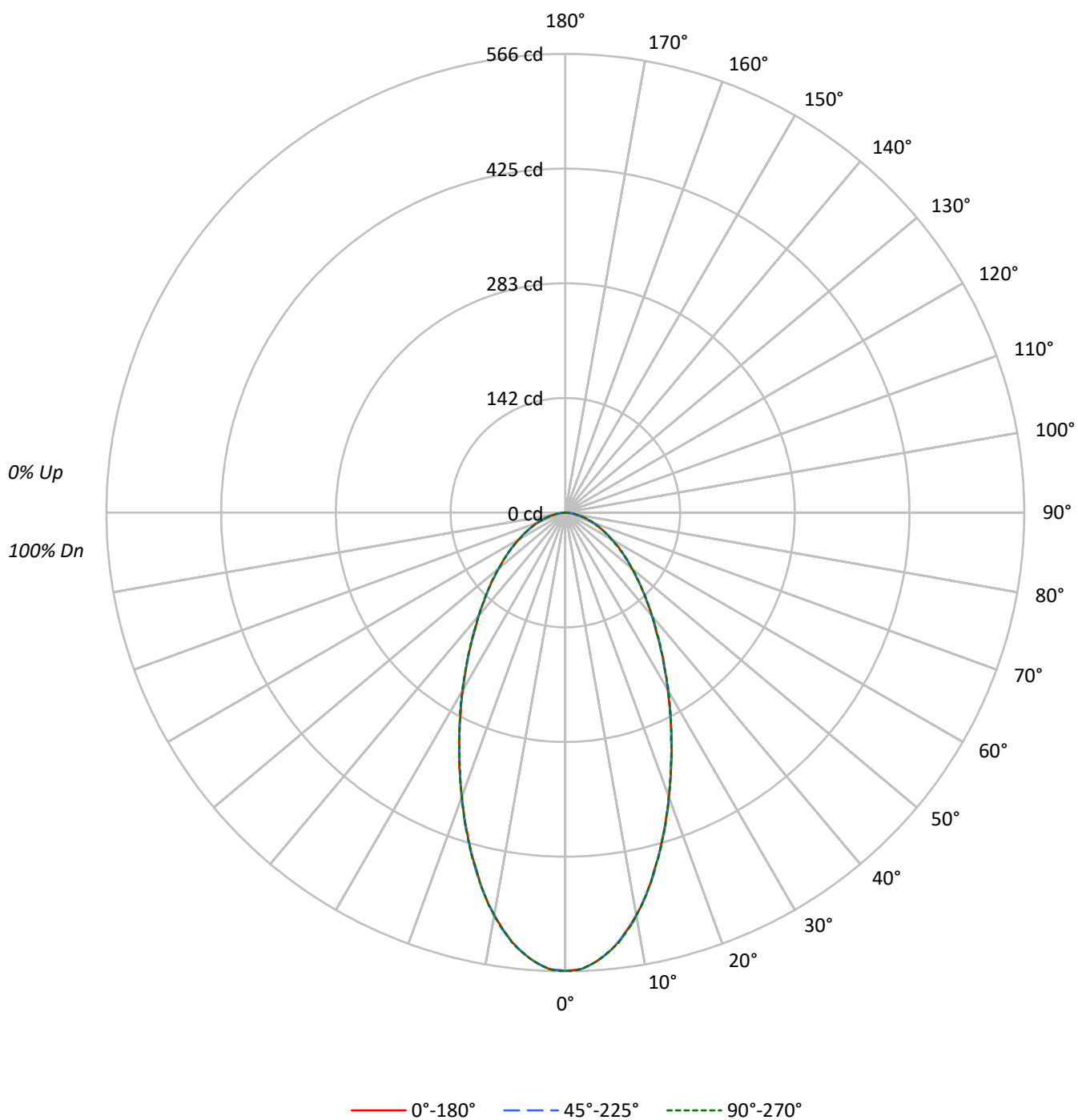
Lumens per Lamp: N/A
Luminaire Lumens: 708.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	97392	97392	97392
5°	94911	94911	94911
10°	88192	88367	88192
15°	78647	78826	78826
20°	68380	68563	68380
25°	58908	58718	58718
30°	50233	50432	50631
35°	43100	43100	43310
40°	37365	37365	37365
45°	32661	32661	32661
50°	28642	28642	28910
55°	25672	25672	25672
60°	22768	22768	22768
65°	20579	20579	20579
70°	18581	18128	18581
75°	16835	16170	16170
80°	13488	13488	13488
85°	9683	9683	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	7.2
10°-20°	123.1	17.4
20°-30°	142.3	20.1
30°-40°	128.9	18.2
40°-50°	103.9	14.7
50°-60°	76.5	10.8
60°-70°	50.4	7.1
70°-80°	26.0	3.7
80°-90°	5.9	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°	316.3	44.7
0°-40°	445.3	62.9
0°-60°	625.8	88.4
0°-90°	708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	549	551	549	549	549	51
15°	441	442	442	441	442	123
25°	310	309	309	310	309	142
35°	205	205	205	205	206	129
45°	134	134	134	134	134	104
55°	86	86	86	84	86	77
65°	50	50	50	50	50	50
75°	25	24	24	24	24	26
85°	5	5	5	5	5	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.5	565.5	565.5	565.5	565.5
1°	564.5	566.5	564.5	564.5	565.5
2°	563.6	564.5	563.6	563.6	563.6
3°	559.7	561.6	559.7	559.7	559.7
4°	554.8	556.8	554.8	554.8	554.8
5°	549.0	550.9	549.0	549.0	549.0
6°	542.2	543.2	542.2	542.2	542.2
7°	534.4	535.4	534.4	534.4	535.4
8°	524.7	525.7	525.7	524.7	524.7
9°	515.0	516.0	516.0	515.0	516.0
10°	504.3	505.3	505.3	504.3	504.3
11°	493.6	494.6	492.6	492.6	493.6
12°	481.0	481.9	481.0	481.0	481.0
13°	468.3	468.3	468.3	468.3	468.3
14°	453.8	455.7	455.7	454.7	453.8
15°	441.1	442.1	442.1	441.1	442.1
17.5°	407.1	409.1	408.1	408.1	408.1
20°	373.1	374.1	374.1	373.1	373.1
22.5°	341.1	340.1	340.1	340.1	340.1
25°	310.0	309.0	309.0	310.0	309.0
27.5°	279.8	280.8	280.8	279.8	280.8
30°	252.6	252.6	253.6	252.6	254.6
32.5°	228.3	228.3	227.4	228.3	228.3
35°	205.0	205.0	205.0	205.0	206.0
37.5°	183.6	184.6	185.6	185.6	184.6
40°	166.2	166.2	166.2	166.2	166.2
42.5°	148.7	148.7	149.6	149.6	149.6
45°	134.1	134.1	134.1	134.1	134.1
47.5°	120.5	120.5	119.5	119.5	120.5
50°	106.9	107.9	106.9	106.9	107.9
52.5°	96.2	95.2	95.2	96.2	96.2
55°	85.5	85.5	85.5	84.5	85.5
57.5°	75.8	75.8	74.8	74.8	74.8
60°	66.1	66.1	66.1	66.1	66.1
62.5°	58.3	58.3	58.3	58.3	58.3
65°	50.5	50.5	50.5	50.5	50.5
67.5°	43.7	43.7	43.7	43.7	42.8
70°	36.9	36.9	36.0	36.0	36.9
72.5°	30.1	30.1	30.1	30.1	30.1
75°	25.3	24.3	24.3	24.3	24.3
77.5°	19.4	19.4	18.5	19.4	18.5
80°	13.6	13.6	13.6	13.6	13.6
82.5°	9.7	8.7	8.7	8.7	8.7
85°	4.9	4.9	4.9	4.9	4.9
87.5°	1.0	1.0	1.0	1.0	1.9



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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)