

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: P1305417

Luminaire Tested: P3SQAS02R259024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305417
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: P3SQAS02R259024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

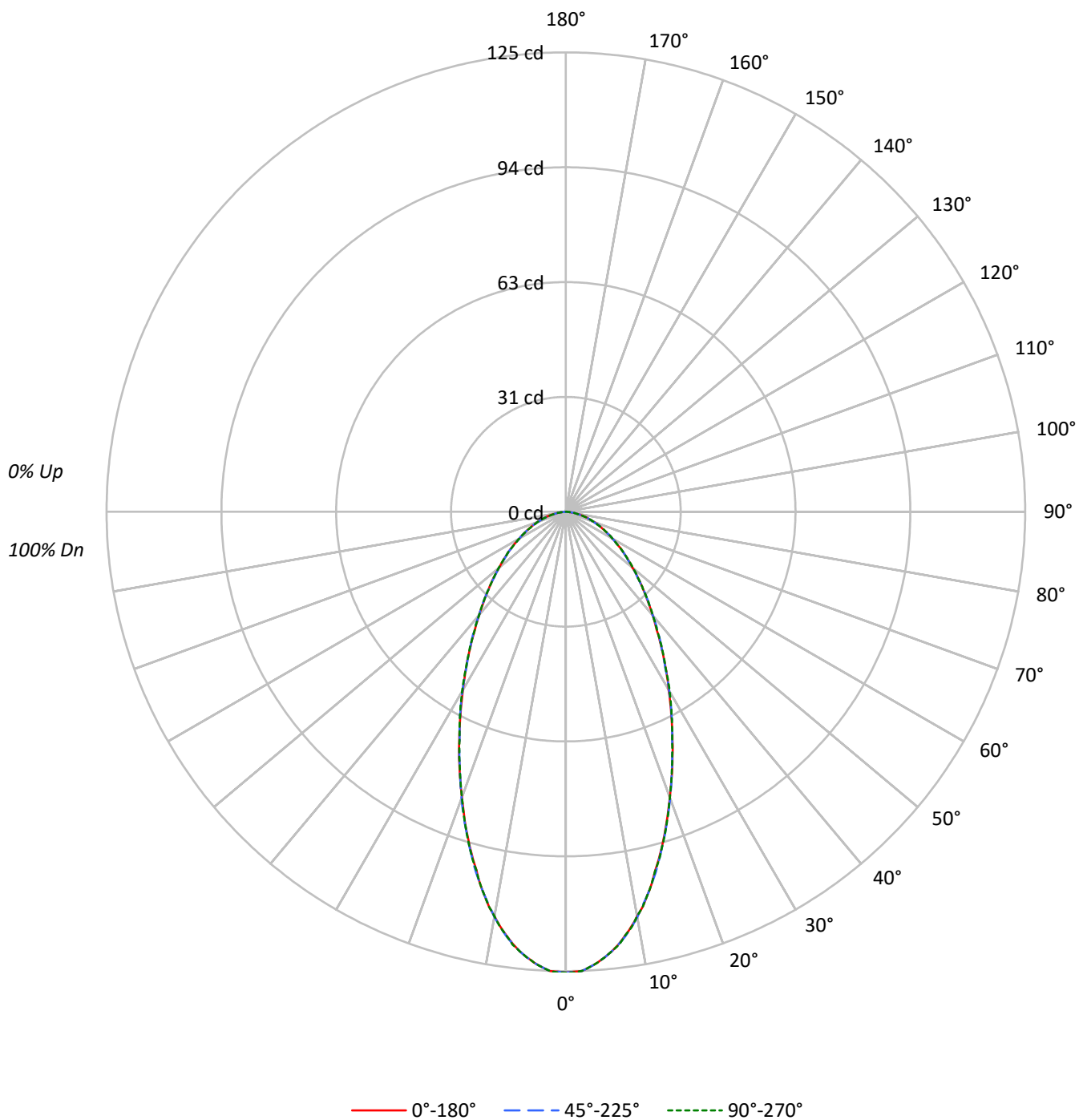
Lumens per Lamp: N/A
Luminaire Lumens: 157.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°	21597	21597	21597
5°	21040	21040	21040
10°	19552	19586	19552
15°	17438	17473	17473
20°	15157	15212	15157
25°	13055	13017	13017
30°	11136	11176	11236
35°	9566	9566	9608
40°	8273	8273	8273
45°	7234	7234	7234
50°	6350	6350	6404
55°	5705	5705	5705
60°	5063	5063	5063
65°	4564	4564	4564
70°	4129	4028	4129
75°	3726	3593	3593
80°	2975	2975	2975
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	7.2
10°-20°	27.3	17.4
20°-30°	31.5	20.1
30°-40°	28.6	18.2
40°-50°	23.0	14.7
50°-60°	17.0	10.8
60°-70°	11.2	7.1
70°-80°	5.8	3.7
80°-90°	1.3	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°	70.1	44.7
0°-40°	98.7	62.9
0°-60°	138.8	88.4
0°-90°	157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	125	125	125	125	125	
5°	122	122	122	122	122	11
15°	98	98	98	98	98	27
25°	69	68	68	69	68	32
35°	46	46	46	46	46	29
45°	30	30	30	30	30	23
55°	19	19	19	19	19	17
65°	11	11	11	11	11	11
75°	6	5	5	5	5	6
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°	125.4	125.4	125.4	125.4	125.4
1°	125.2	125.6	125.2	125.2	125.4
2°	125.0	125.2	125.0	125.0	125.0
3°	124.1	124.5	124.1	124.1	124.1
4°	123.0	123.5	123.0	123.0	123.0
5°	121.7	122.2	121.7	121.7	121.7
6°	120.2	120.4	120.2	120.2	120.2
7°	118.5	118.7	118.5	118.5	118.7
8°	116.4	116.6	116.6	116.4	116.4
9°	114.2	114.4	114.4	114.2	114.4
10°	111.8	112.0	112.0	111.8	111.8
11°	109.5	109.7	109.2	109.2	109.5
12°	106.7	106.9	106.7	106.7	106.7
13°	103.9	103.9	103.9	103.9	103.9
14°	100.6	101.1	101.1	100.8	100.6
15°	97.8	98.0	98.0	97.8	98.0
17.5°	90.3	90.7	90.5	90.5	90.5
20°	82.7	83.0	83.0	82.7	82.7
22.5°	75.6	75.4	75.4	75.4	75.4
25°	68.7	68.5	68.5	68.7	68.5
27.5°	62.1	62.3	62.3	62.1	62.3
30°	56.0	56.0	56.2	56.0	56.5
32.5°	50.6	50.6	50.4	50.6	50.6
35°	45.5	45.5	45.5	45.5	45.7
37.5°	40.7	40.9	41.2	41.2	40.9
40°	36.8	36.8	36.8	36.8	36.8
42.5°	33.0	33.0	33.2	33.2	33.2
45°	29.7	29.7	29.7	29.7	29.7
47.5°	26.7	26.7	26.5	26.5	26.7
50°	23.7	23.9	23.7	23.7	23.9
52.5°	21.3	21.1	21.1	21.3	21.3
55°	19.0	19.0	19.0	18.7	19.0
57.5°	16.8	16.8	16.6	16.6	16.6
60°	14.7	14.7	14.7	14.7	14.7
62.5°	12.9	12.9	12.9	12.9	12.9
65°	11.2	11.2	11.2	11.2	11.2
67.5°	9.7	9.7	9.7	9.7	9.5
70°	8.2	8.2	8.0	8.0	8.2
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.6	5.4	5.4	5.4	5.4
77.5°	4.3	4.3	4.1	4.3	4.1
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.2	1.9	1.9	1.9	1.9
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.2	0.4



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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)