

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: P1312910

Luminaire Tested: P3SQAS02R259730DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312910
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: P3SQAS02R259730DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

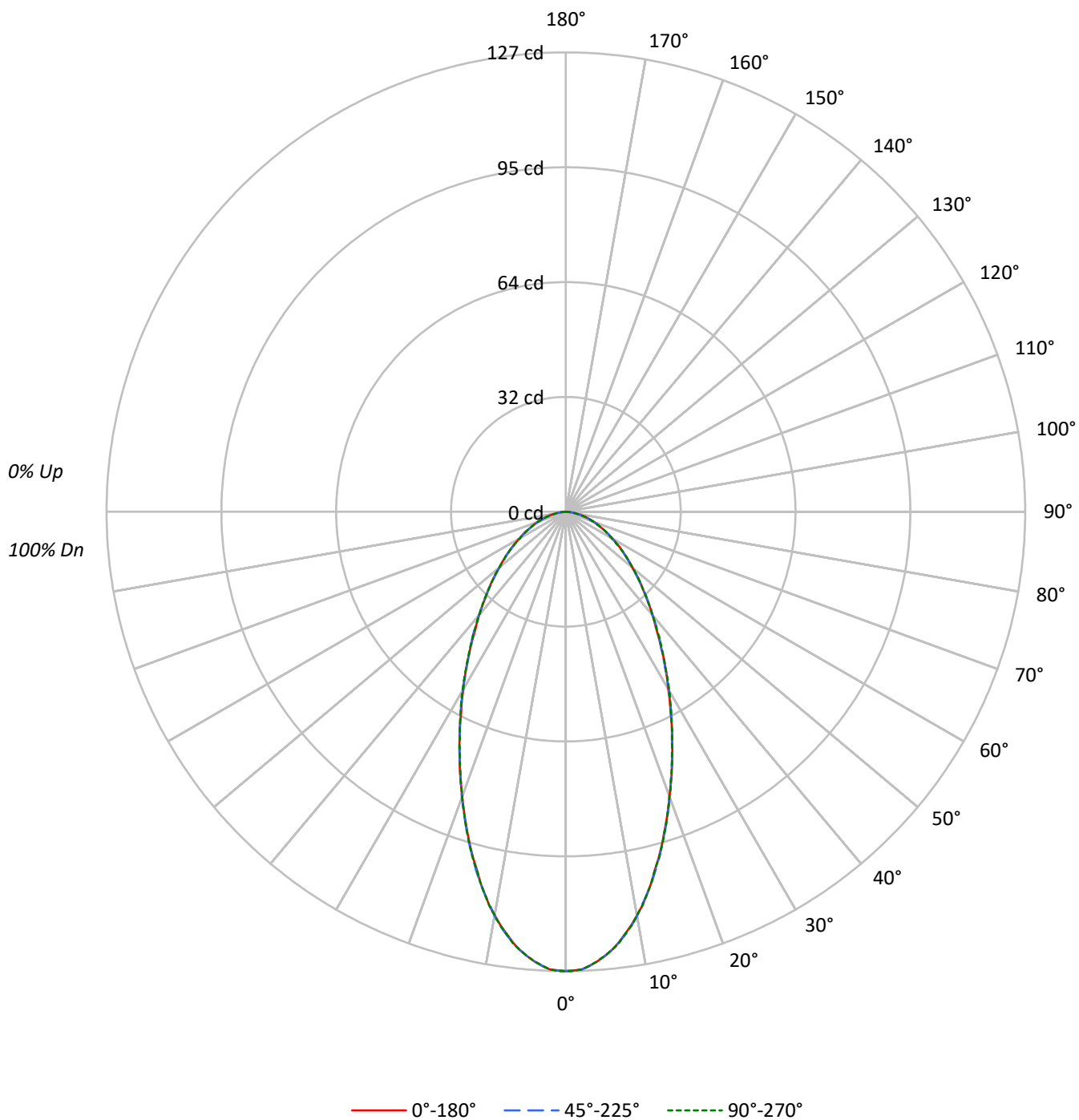
Lumens per Lamp: N/A
Luminaire Lumens: 159.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	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	63	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°	21872	21872	21872
5°	21316	21316	21316
10°	19814	19849	19814
15°	17669	17705	17705
20°	15358	15395	15358
25°	13226	13188	13188
30°	11276	11335	11375
35°	9671	9671	9734
40°	8386	8386	8386
45°	7331	7331	7331
50°	6430	6430	6484
55°	5765	5765	5765
60°	5098	5098	5098
65°	4605	4605	4605
70°	4179	4079	4179
75°	3793	3660	3660
80°	3075	3075	3075
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	7.2
10°-20°	27.6	17.4
20°-30°	31.9	20.1
30°-40°	29.0	18.2
40°-50°	23.3	14.7
50°-60°	17.2	10.8
60°-70°	11.3	7.1
70°-80°	5.9	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°	71.0	44.7
0°-40°	100.0	62.9
0°-60°	140.5	88.4
0°-90°	159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	127	127	127	127	127	
5°	123	124	123	123	123	11
15°	99	99	99	99	99	28
25°	70	69	69	70	69	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	6	6	6	6	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°	127.0	127.0	127.0	127.0	127.0
1°	126.8	127.2	126.8	126.8	127.0
2°	126.6	126.8	126.6	126.6	126.6
3°	125.7	126.1	125.7	125.7	125.7
4°	124.6	125.0	124.6	124.6	124.6
5°	123.3	123.7	123.3	123.3	123.3
6°	121.8	122.0	121.8	121.8	121.8
7°	120.0	120.2	120.0	120.0	120.2
8°	117.8	118.1	118.1	117.8	117.8
9°	115.7	115.9	115.9	115.7	115.9
10°	113.3	113.5	113.5	113.3	113.3
11°	110.9	111.1	110.6	110.6	110.9
12°	108.0	108.2	108.0	108.0	108.0
13°	105.2	105.2	105.2	105.2	105.2
14°	101.9	102.3	102.3	102.1	101.9
15°	99.1	99.3	99.3	99.1	99.3
17.5°	91.4	91.9	91.6	91.6	91.6
20°	83.8	84.0	84.0	83.8	83.8
22.5°	76.6	76.4	76.4	76.4	76.4
25°	69.6	69.4	69.4	69.6	69.4
27.5°	62.8	63.1	63.1	62.8	63.1
30°	56.7	56.7	57.0	56.7	57.2
32.5°	51.3	51.3	51.1	51.3	51.3
35°	46.0	46.0	46.0	46.0	46.3
37.5°	41.2	41.5	41.7	41.7	41.5
40°	37.3	37.3	37.3	37.3	37.3
42.5°	33.4	33.4	33.6	33.6	33.6
45°	30.1	30.1	30.1	30.1	30.1
47.5°	27.1	27.1	26.8	26.8	27.1
50°	24.0	24.2	24.0	24.0	24.2
52.5°	21.6	21.4	21.4	21.6	21.6
55°	19.2	19.2	19.2	19.0	19.2
57.5°	17.0	17.0	16.8	16.8	16.8
60°	14.8	14.8	14.8	14.8	14.8
62.5°	13.1	13.1	13.1	13.1	13.1
65°	11.3	11.3	11.3	11.3	11.3
67.5°	9.8	9.8	9.8	9.8	9.6
70°	8.3	8.3	8.1	8.1	8.3
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.7	5.5	5.5	5.5	5.5
77.5°	4.4	4.4	4.1	4.4	4.1
80°	3.1	3.1	3.1	3.1	3.1
82.5°	2.2	2.0	2.0	2.0	2.0
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)