

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: P1312944

Luminaire Tested: P3SQAS02R359730DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359730DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

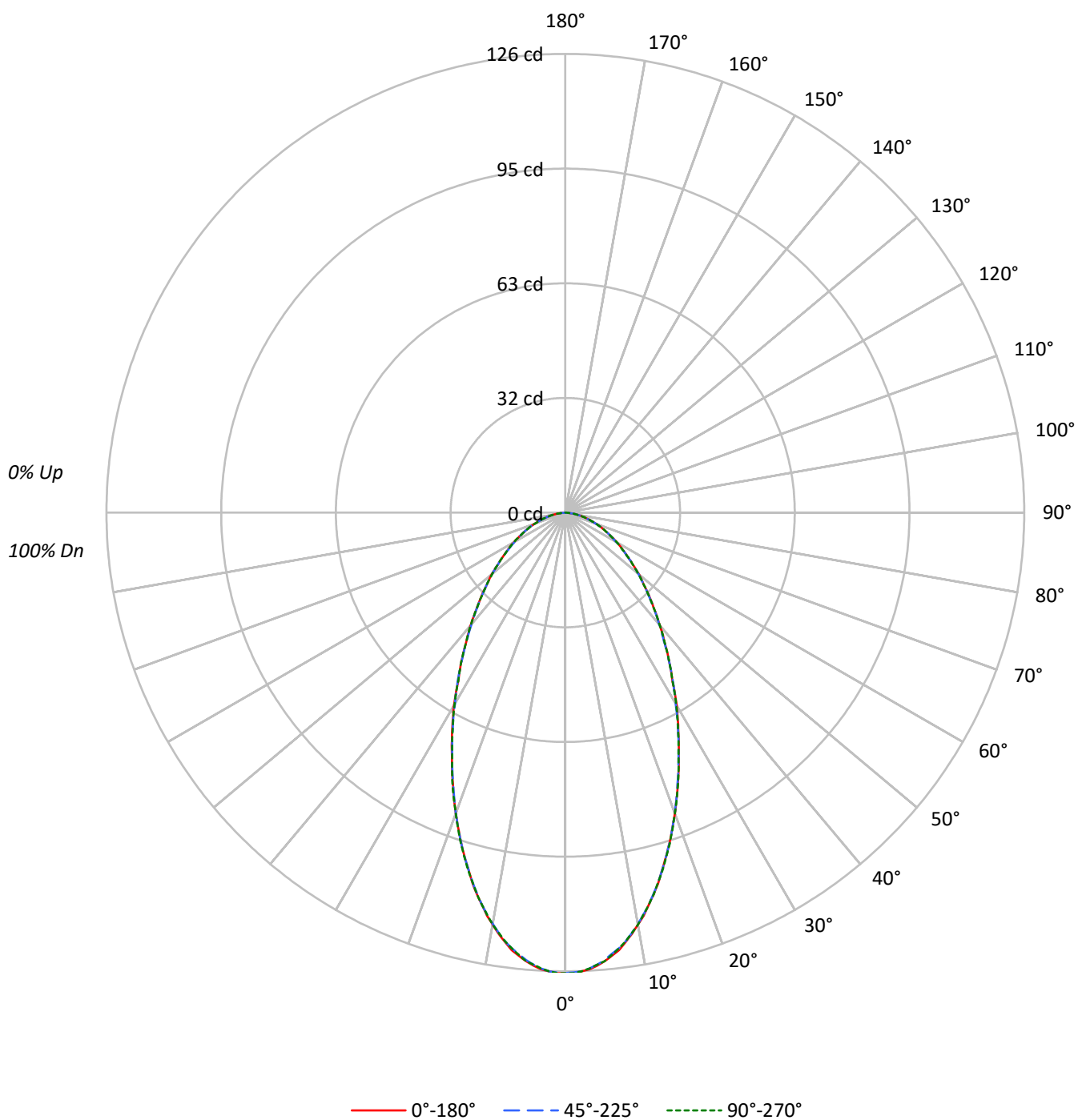
Lumens per Lamp: N/A
Luminaire Lumens: 169.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21786	21786	21786
5°	21385	21333	21385
10°	20094	20059	20094
15°	18204	18204	18240
20°	16110	16110	16110
25°	14005	13967	13967
30°	12151	12051	12111
35°	10449	10407	10449
40°	9083	9015	9083
45°	7964	7916	7916
50°	7073	7020	7020
55°	6215	6215	6215
60°	5649	5546	5649
65°	5053	5053	5053
70°	4482	4482	4482
75°	4059	3926	4059
80°	3471	3471	3471
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	6.8
10°-20°	28.5	16.8
20°-30°	33.8	20.0
30°-40°	31.1	18.4
40°-50°	25.2	14.9
50°-60°	18.7	11.0
60°-70°	12.3	7.3
70°-80°	6.4	3.8
80°-90°	1.4	0.9
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°	73.8	43.7
0°-40°	104.9	62.1
0°-60°	148.8	88.1
0°-90°	169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	126	126	126	126	126	
5°	124	123	123	123	124	12
15°	102	102	102	102	102	28
25°	74	74	74	74	74	34
35°	50	50	50	50	50	31
45°	33	32	32	32	32	25
55°	21	21	21	21	21	19
65°	12	12	12	12	12	12
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°	126.5	126.5	126.5	126.5	126.5
1°	126.5	126.3	126.3	126.3	126.5
2°	126.1	126.1	126.1	126.1	126.1
3°	125.6	125.4	125.4	125.4	125.4
4°	124.8	124.5	124.5	124.5	124.5
5°	123.7	123.4	123.4	123.4	123.7
6°	122.4	122.1	121.9	121.9	122.1
7°	121.1	120.6	120.6	120.6	120.6
8°	119.1	118.9	118.9	118.9	118.9
9°	117.1	116.7	116.9	116.9	116.9
10°	114.9	114.7	114.7	114.7	114.9
11°	112.8	112.5	112.5	112.3	112.5
12°	110.1	110.1	110.1	110.1	110.1
13°	107.7	107.5	107.5	107.5	107.7
14°	105.1	104.9	104.9	104.9	104.9
15°	102.1	102.1	102.1	102.1	102.3
17.5°	95.1	94.9	95.1	95.1	95.3
20°	87.9	87.7	87.9	87.9	87.9
22.5°	80.7	80.7	80.5	80.7	80.9
25°	73.7	73.5	73.5	73.7	73.5
27.5°	67.2	67.0	67.0	67.0	67.0
30°	61.1	60.6	60.6	60.9	60.9
32.5°	54.7	54.7	55.0	54.7	54.7
35°	49.7	49.5	49.5	49.7	49.7
37.5°	44.7	44.5	44.5	44.7	44.7
40°	40.4	40.4	40.1	40.4	40.4
42.5°	36.2	36.2	36.2	36.2	36.2
45°	32.7	32.5	32.5	32.5	32.5
47.5°	29.2	29.2	29.2	29.0	29.2
50°	26.4	26.2	26.2	26.2	26.2
52.5°	23.3	23.3	23.3	23.3	23.3
55°	20.7	20.7	20.7	20.7	20.7
57.5°	18.5	18.3	18.3	18.3	18.3
60°	16.4	16.4	16.1	16.4	16.4
62.5°	14.2	14.2	14.2	14.2	14.2
65°	12.4	12.4	12.4	12.4	12.4
67.5°	10.7	10.7	10.7	10.7	10.7
70°	8.9	8.9	8.9	8.9	8.9
72.5°	7.6	7.4	7.4	7.4	7.4
75°	6.1	6.1	5.9	6.1	6.1
77.5°	4.6	4.6	4.6	4.6	4.6
80°	3.5	3.5	3.5	3.3	3.5
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	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)