

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: P1313899

Luminaire Tested: P3SQAS02R309735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

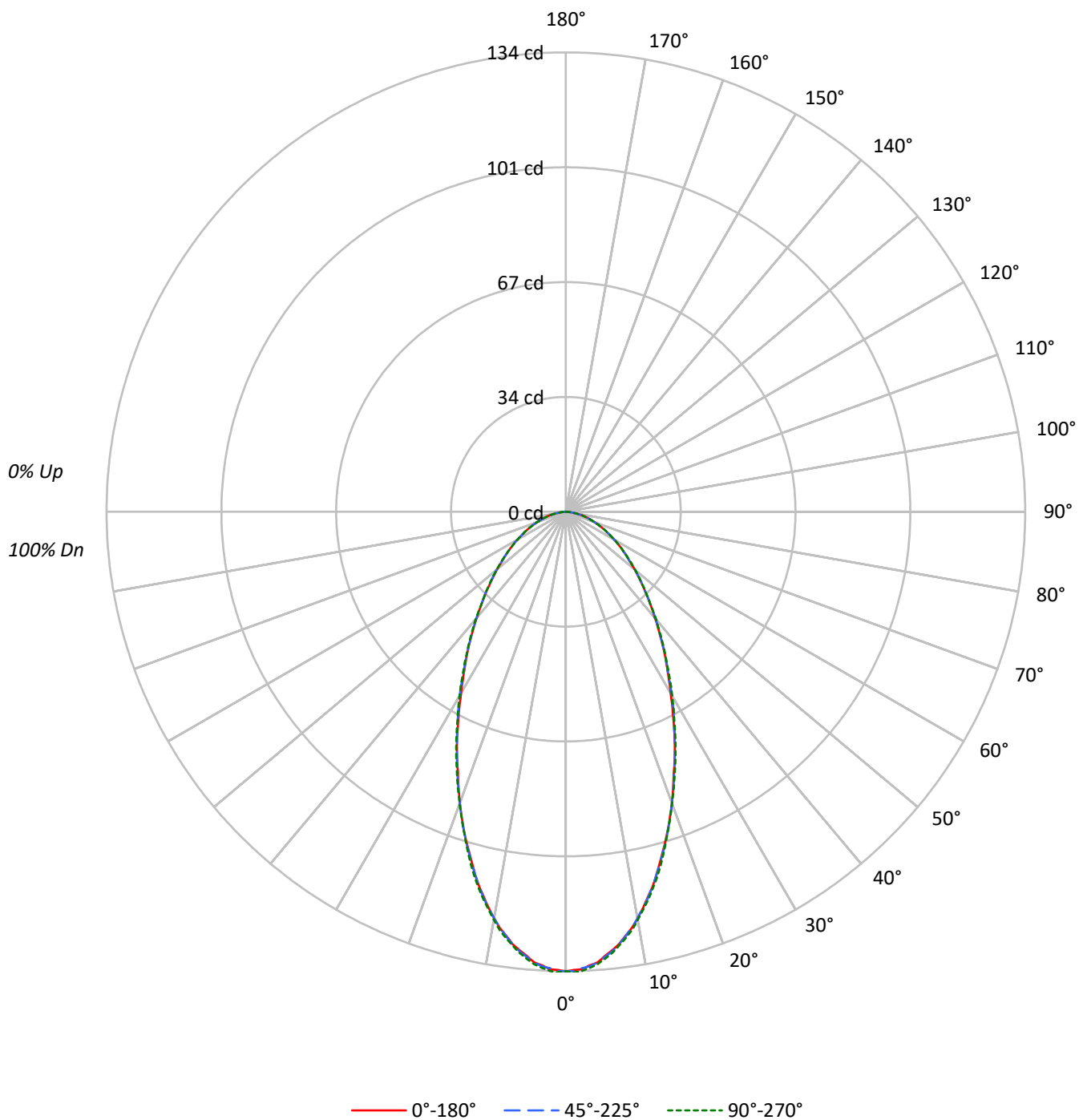
Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1313899

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313899

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLD1MW

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	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23078	23078	23078
5°	22492	22544	22630
10°	21055	21055	21143
15°	18882	18917	19042
20°	16568	16568	16605
25°	14290	14290	14385
30°	12151	12310	12350
35°	10512	10554	10596
40°	9083	9150	9195
45°	7940	7989	7989
50°	7020	7020	7073
55°	6275	6275	6275
60°	5649	5649	5649
65°	5053	5053	5053
70°	4532	4532	4532
75°	4126	3926	3926
80°	3570	3273	3273
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7989 cd/sqm

TEST NUMBER: P1313899

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	7.1
10°-20°	29.6	17.2
20°-30°	34.5	20.1
30°-40°	31.4	18.3
40°-50°	25.4	14.8
50°-60°	18.8	10.9
60°-70°	12.4	7.2
70°-80°	6.4	3.7
80°-90°	1.4	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°	76.2	44.3
0°-40°	107.7	62.6
0°-60°	151.8	88.3
0°-90°	172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	134	134	134	134	134	
5°	130	130	130	130	131	12
15°	106	106	106	106	107	30
25°	75	75	75	75	76	34
35°	50	50	50	50	50	31
45°	33	33	33	33	33	25
55°	21	21	21	21	21	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1313899

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	134.0	134.0	134.0	134.0	134.0
1°	133.7	133.7	134.0	133.7	134.4
2°	133.5	133.2	133.2	133.2	134.0
3°	132.5	132.5	132.8	132.5	133.2
4°	131.8	131.6	131.8	131.6	132.3
5°	130.1	130.1	130.4	130.4	130.9
6°	128.7	128.7	129.0	128.7	129.4
7°	127.1	127.1	127.1	127.1	127.5
8°	124.9	124.9	125.1	125.1	125.6
9°	123.0	122.8	122.8	122.8	123.5
10°	120.4	120.4	120.4	120.4	120.9
11°	117.8	117.8	117.8	117.8	118.2
12°	114.9	114.9	115.2	114.9	115.6
13°	112.3	112.3	112.3	112.3	112.8
14°	109.2	109.0	109.2	109.2	109.9
15°	105.9	106.1	106.1	106.1	106.8
17.5°	98.3	98.3	98.5	98.0	98.5
20°	90.4	90.2	90.4	90.4	90.6
22.5°	82.3	82.6	82.6	82.6	83.0
25°	75.2	74.9	75.2	75.2	75.7
27.5°	67.8	68.0	68.3	68.0	68.5
30°	61.1	61.6	61.9	61.4	62.1
32.5°	55.2	55.2	55.4	55.7	55.9
35°	50.0	49.7	50.2	50.2	50.4
37.5°	45.0	45.0	45.0	45.2	45.4
40°	40.4	40.4	40.7	40.7	40.9
42.5°	36.4	36.2	36.4	36.4	36.4
45°	32.6	32.8	32.8	32.8	32.8
47.5°	29.3	29.3	29.5	29.3	29.5
50°	26.2	26.2	26.2	26.2	26.4
52.5°	23.3	23.3	23.3	23.3	23.6
55°	20.9	20.7	20.9	20.7	20.9
57.5°	18.6	18.6	18.6	18.6	18.6
60°	16.4	16.2	16.4	16.2	16.4
62.5°	14.3	14.3	14.3	14.3	14.3
65°	12.4	12.4	12.4	12.4	12.4
67.5°	10.7	10.7	10.7	10.5	10.5
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.6	7.4	7.4	7.4	7.4
75°	6.2	5.9	5.9	5.9	5.9
77.5°	4.8	4.8	4.5	4.5	4.8
80°	3.6	3.3	3.3	3.3	3.3
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5



TEST NUMBER: P1313899

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)