

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: P1310859

Luminaire Tested: P3SQAS02R309050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310859
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: P3SQAS02R309050DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

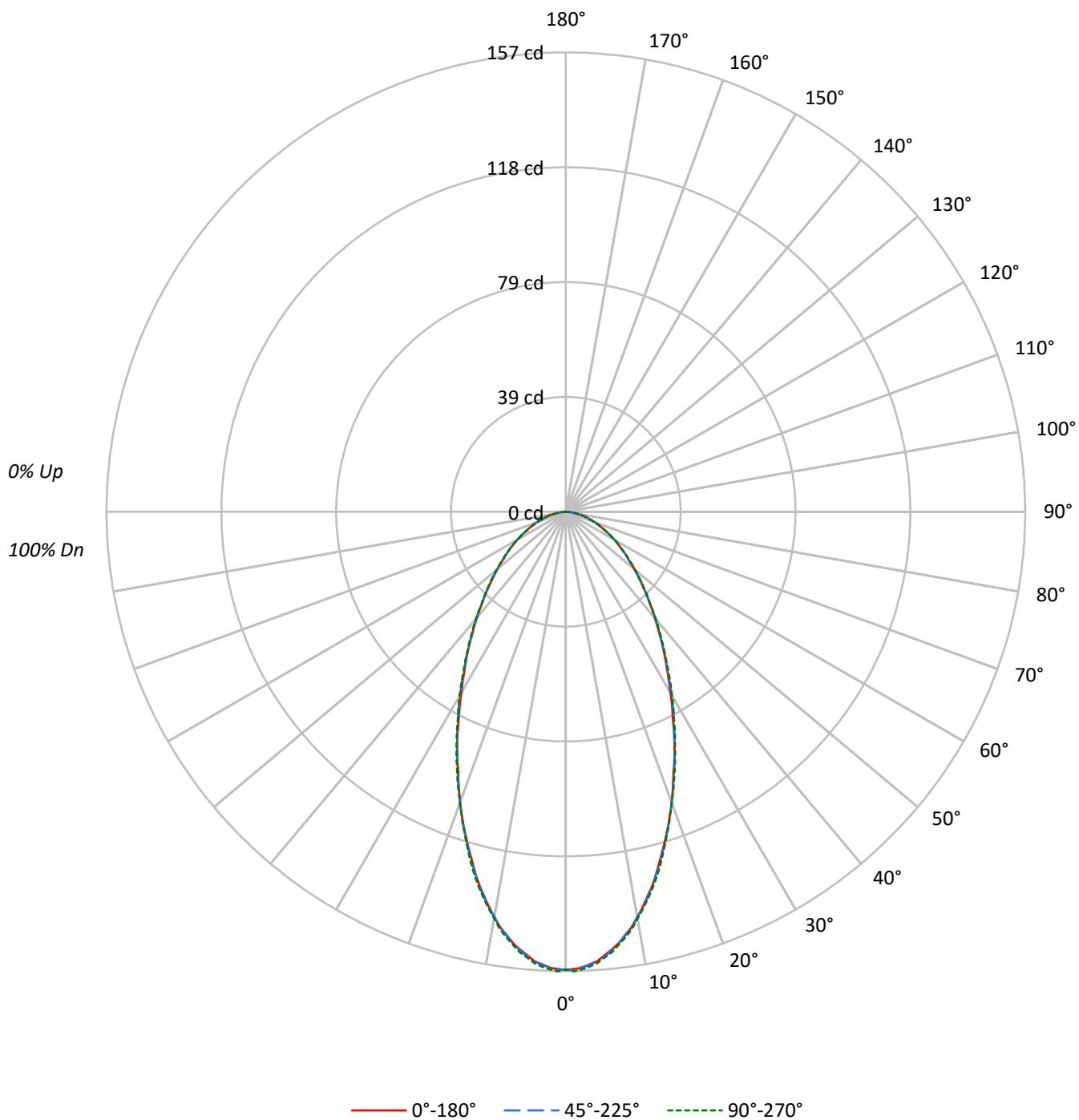
Lumens per Lamp: N/A
Luminaire Lumens: 201.1 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	73	82	77	72		79	75	71		77
4	89	78	71	65	86	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°	26953	26953	26953
5°	26295	26347	26433
10°	24606	24606	24693
15°	22055	22109	22252
20°	19372	19372	19409
25°	16703	16703	16798
30°	14219	14378	14438
35°	12278	12341	12383
40°	10634	10679	10746
45°	9280	9353	9353
50°	8199	8199	8279
55°	7356	7356	7356
60°	6613	6613	6613
65°	5909	5909	5909
70°	5338	5338	5338
75°	4791	4658	4658
80°	4166	3868	3868
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 9353 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	7.1
10°-20°	34.6	17.2
20°-30°	40.4	20.1
30°-40°	36.7	18.3
40°-50°	29.7	14.8
50°-60°	21.9	10.9
60°-70°	14.4	7.2
70°-80°	7.5	3.7
80°-90°	1.7	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°	89.1	44.3
0°-40°	125.8	62.6
0°-60°	177.4	88.2
0°-90°	201.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	156	156	156	156	156	
5°	152	152	152	152	153	14
15°	124	124	124	124	125	35
25°	88	88	88	88	88	40
35°	58	58	59	59	59	37
45°	38	38	38	38	38	30
55°	24	24	24	24	24	22
65°	14	14	14	14	14	14
75°	7	7	7	7	7	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	156.5	156.5	156.5	156.5	156.5
1°	156.3	156.3	156.5	156.3	157.1
2°	156.0	155.7	155.7	155.7	156.5
3°	154.9	154.9	155.1	154.9	155.7
4°	154.0	153.8	154.0	153.8	154.6
5°	152.1	152.1	152.4	152.4	152.9
6°	150.4	150.4	150.7	150.4	151.3
7°	148.5	148.5	148.5	148.5	149.0
8°	146.0	146.0	146.2	146.2	146.8
9°	143.7	143.5	143.5	143.5	144.3
10°	140.7	140.7	140.7	140.7	141.2
11°	137.6	137.6	137.6	137.6	138.2
12°	134.3	134.3	134.6	134.3	135.1
13°	131.2	131.2	131.2	131.2	131.8
14°	127.6	127.3	127.6	127.6	128.5
15°	123.7	124.0	124.0	124.0	124.8
17.5°	114.8	114.8	115.1	114.6	115.1
20°	105.7	105.4	105.7	105.7	105.9
22.5°	96.2	96.5	96.5	96.5	97.0
25°	87.9	87.6	87.9	87.9	88.4
27.5°	79.2	79.5	79.8	79.5	80.1
30°	71.5	72.0	72.3	71.7	72.6
32.5°	64.5	64.5	64.8	65.1	65.3
35°	58.4	58.1	58.7	58.7	58.9
37.5°	52.5	52.5	52.5	52.8	53.1
40°	47.3	47.3	47.5	47.5	47.8
42.5°	42.5	42.3	42.5	42.5	42.5
45°	38.1	38.4	38.4	38.4	38.4
47.5°	34.2	34.2	34.5	34.2	34.5
50°	30.6	30.6	30.6	30.6	30.9
52.5°	27.2	27.2	27.2	27.2	27.5
55°	24.5	24.2	24.5	24.2	24.5
57.5°	21.7	21.7	21.7	21.7	21.7
60°	19.2	18.9	19.2	18.9	19.2
62.5°	16.7	16.7	16.7	16.7	16.7
65°	14.5	14.5	14.5	14.5	14.5
67.5°	12.5	12.5	12.5	12.2	12.2
70°	10.6	10.6	10.6	10.6	10.6
72.5°	8.9	8.6	8.6	8.6	8.6
75°	7.2	7.0	7.0	7.0	7.0
77.5°	5.6	5.6	5.3	5.3	5.6
80°	4.2	3.9	3.9	3.9	3.9
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.3	0.3	0.3	0.6	0.6



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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)