

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: P1308642

Luminaire Tested: P3SQAS02R309035DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308642
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: P3SQAS02R309035DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

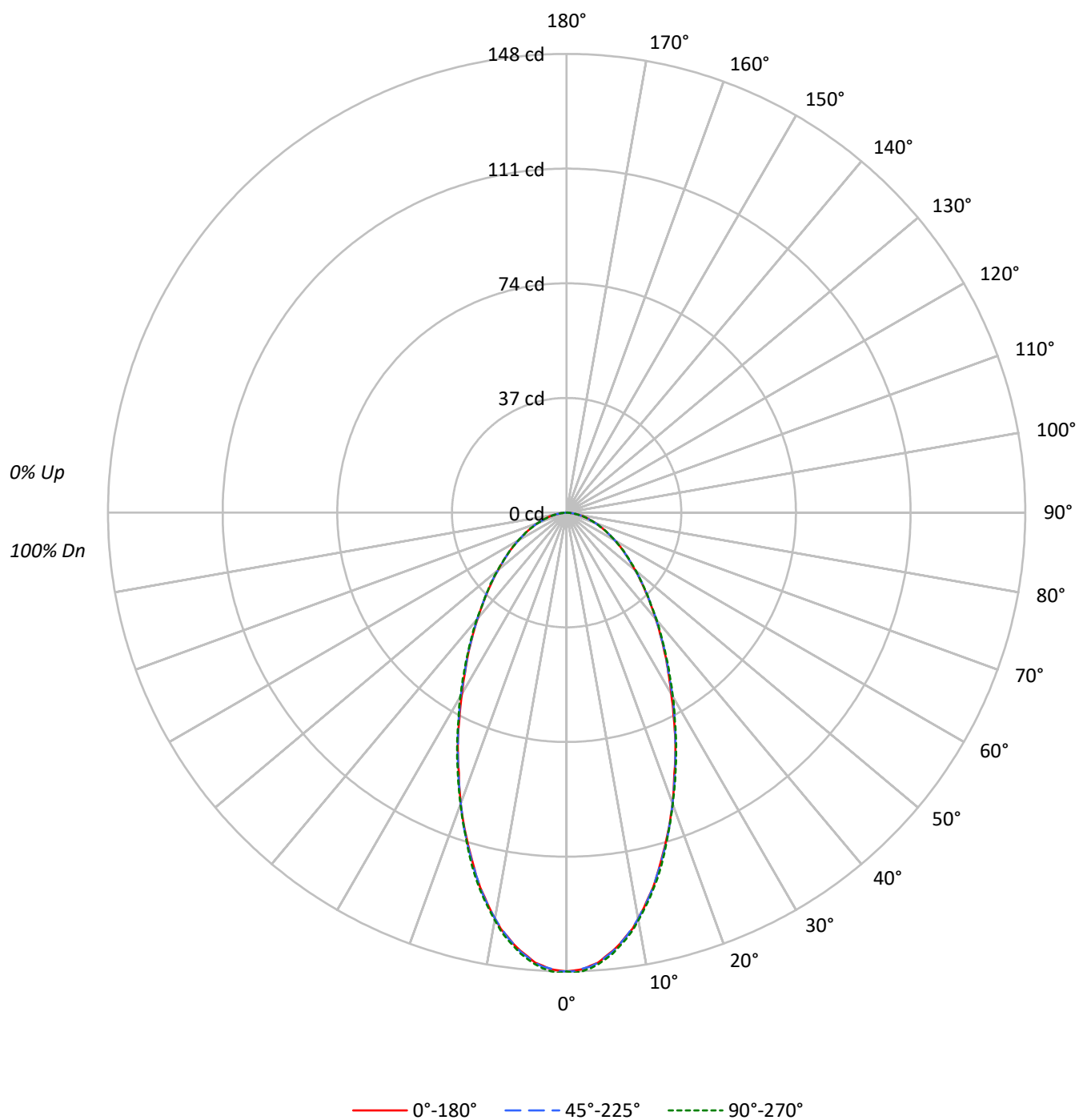
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	25489	25489	25489
5°	24860	24895	24999
10°	23259	23259	23346
15°	20861	20897	21039
20°	18309	18309	18346
25°	15791	15791	15886
30°	13423	13583	13642
35°	11606	11669	11711
40°	10049	10094	10162
45°	8768	8841	8841
50°	7743	7743	7824
55°	6936	6936	6936
60°	6234	6234	6234
65°	5583	5583	5583
70°	5035	5035	5035
75°	4525	4392	4392
80°	3868	3670	3670
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	7.0
10°-20°	32.7	17.2
20°-30°	38.2	20.1
30°-40°	34.7	18.3
40°-50°	28.0	14.8
50°-60°	20.7	10.9
60°-70°	13.7	7.2
70°-80°	7.1	3.7
80°-90°	1.6	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°	84.2	44.3
0°-40°	119.0	62.6
0°-60°	167.7	88.3
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	148	148	148	148	148	
5°	144	144	144	144	145	13
15°	117	117	117	117	118	33
25°	83	83	83	83	84	38
35°	55	55	56	56	56	35
45°	36	36	36	36	36	28
55°	23	23	23	23	23	21
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
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°	148.0	148.0	148.0	148.0	148.0
1°	147.7	147.7	148.0	147.7	148.5
2°	147.4	147.2	147.2	147.2	148.0
3°	146.4	146.4	146.7	146.4	147.2
4°	145.6	145.3	145.6	145.3	146.1
5°	143.8	143.8	144.0	144.0	144.6
6°	142.2	142.2	142.4	142.2	143.0
7°	140.3	140.3	140.3	140.3	140.9
8°	138.0	138.0	138.2	138.2	138.8
9°	135.9	135.6	135.6	135.6	136.4
10°	133.0	133.0	133.0	133.0	133.5
11°	130.1	130.1	130.1	130.1	130.6
12°	126.9	126.9	127.2	126.9	127.7
13°	124.1	124.1	124.1	124.1	124.6
14°	120.6	120.4	120.6	120.6	121.4
15°	117.0	117.2	117.2	117.2	118.0
17.5°	108.5	108.5	108.8	108.3	108.8
20°	99.9	99.6	99.9	99.9	100.1
22.5°	90.9	91.2	91.2	91.2	91.7
25°	83.1	82.8	83.1	83.1	83.6
27.5°	74.9	75.2	75.4	75.2	75.7
30°	67.5	68.1	68.3	67.8	68.6
32.5°	61.0	61.0	61.2	61.5	61.8
35°	55.2	54.9	55.5	55.5	55.7
37.5°	49.7	49.7	49.7	49.9	50.2
40°	44.7	44.7	44.9	44.9	45.2
42.5°	40.2	39.9	40.2	40.2	40.2
45°	36.0	36.3	36.3	36.3	36.3
47.5°	32.3	32.3	32.6	32.3	32.6
50°	28.9	28.9	28.9	28.9	29.2
52.5°	25.8	25.8	25.8	25.8	26.0
55°	23.1	22.9	23.1	22.9	23.1
57.5°	20.5	20.5	20.5	20.5	20.5
60°	18.1	17.9	18.1	17.9	18.1
62.5°	15.8	15.8	15.8	15.8	15.8
65°	13.7	13.7	13.7	13.7	13.7
67.5°	11.8	11.8	11.8	11.6	11.6
70°	10.0	10.0	10.0	10.0	10.0
72.5°	8.4	8.1	8.1	8.1	8.1
75°	6.8	6.6	6.6	6.6	6.6
77.5°	5.3	5.3	5.0	5.0	5.3
80°	3.9	3.7	3.7	3.7	3.7
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5



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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)