

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: P1310860

Luminaire Tested: P3SQAS02R309050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

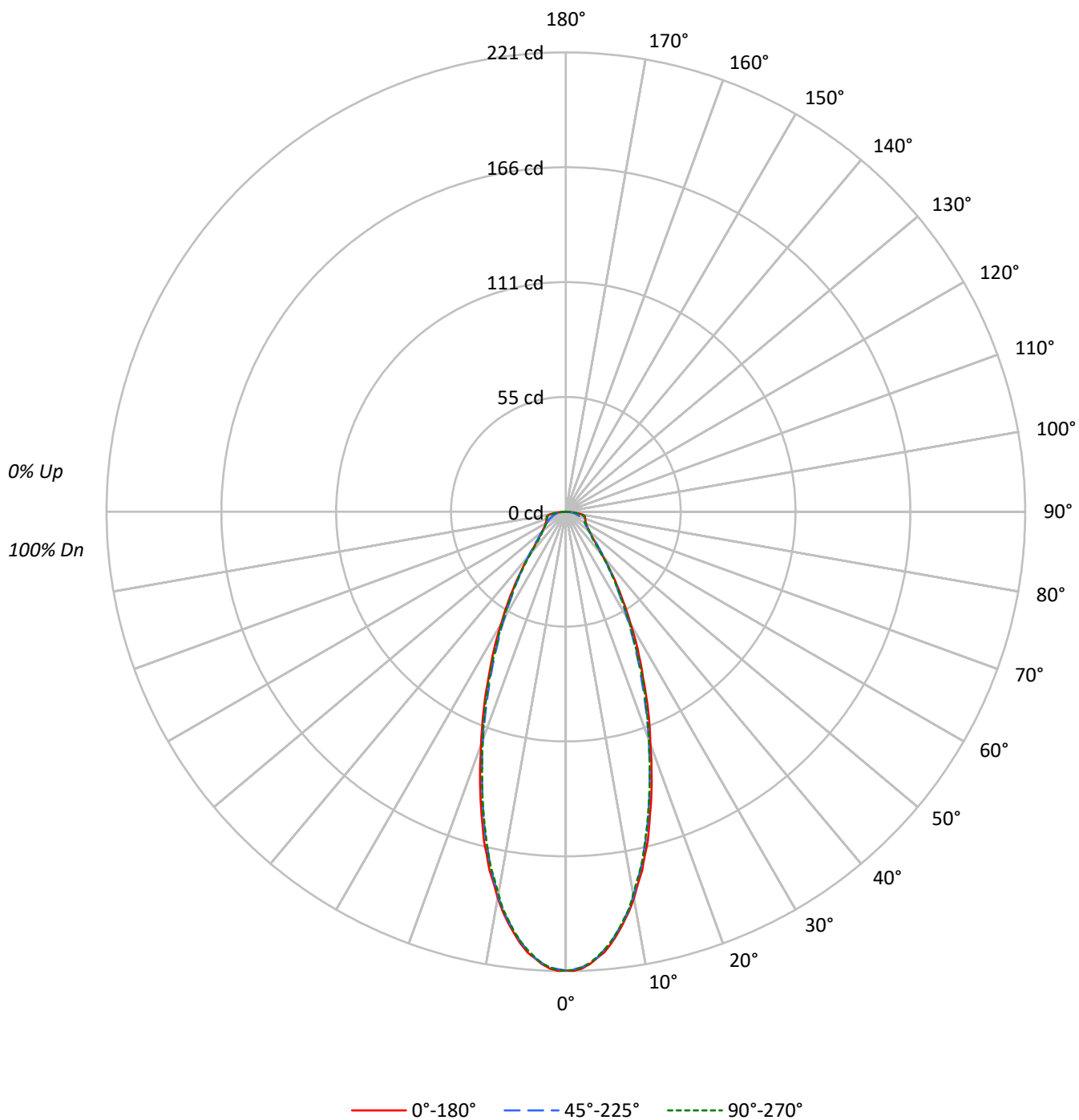
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	59	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38010	38010	38010
5°	36772	36582	36582
10°	33000	32807	32667
15°	27654	27226	27173
20°	21828	21388	21388
25°	16703	16057	16361
30°	12409	11773	12031
35°	8956	8578	8620
40°	6160	6295	5980
45°	4603	4798	4408
50°	3992	3939	3939
55°	3753	3603	3693
60°	3858	3582	3754
65°	4238	3586	4116
70°	4985	3626	4834
75°	6388	3926	6188
80°	7934	4265	7438
85°	6323	4150	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	11.2
10°-20°	42.3	24.3
20°-30°	39.4	22.7
30°-40°	26.2	15.0
40°-50°	15.2	8.8
50°-60°	11.1	6.4
60°-70°	9.4	5.4
70°-80°	7.8	4.5
80°-90°	3.2	1.9
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°	101.2	58.1
0°-40°	127.3	73.2
0°-60°	153.7	88.3
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	221	221	221	221	221	
5°	213	212	212	212	212	20
15°	155	154	153	152	152	43
25°	88	86	84	85	86	41
35°	43	42	41	41	41	27
45°	19	19	20	19	18	15
55°	12	12	12	12	12	11
65°	10	9	9	9	10	10
75°	10	7	6	7	9	10
85°	3	4	2	4	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	220.7	220.7	220.7	220.7	220.7
1°	220.9	220.7	220.1	220.4	220.4
2°	219.9	219.6	219.3	219.3	219.3
3°	218.0	217.7	217.5	217.5	217.5
4°	215.3	215.1	215.1	214.8	214.8
5°	212.7	212.4	211.6	211.6	211.6
6°	208.9	208.7	208.1	207.9	207.9
7°	204.4	204.4	203.6	203.3	203.6
8°	199.6	199.3	198.8	198.5	198.5
9°	194.5	193.7	193.7	192.9	193.5
10°	188.7	188.1	187.6	187.1	186.8
11°	182.0	181.7	180.9	180.4	180.1
12°	176.4	175.1	174.5	173.7	174.3
13°	169.2	168.4	167.1	166.8	167.1
14°	163.1	161.5	160.4	159.9	159.6
15°	155.1	153.5	152.7	152.4	152.4
17.5°	137.2	136.2	134.0	134.0	134.0
20°	119.1	118.1	116.7	116.5	116.7
22.5°	103.4	101.5	99.4	99.7	101.3
25°	87.9	86.3	84.5	84.7	86.1
27.5°	74.9	72.8	70.9	71.4	72.2
30°	62.4	61.0	59.2	59.7	60.5
32.5°	51.7	50.9	48.8	49.3	50.1
35°	42.6	41.8	40.8	41.0	41.0
37.5°	34.1	34.1	33.8	33.6	33.3
40°	27.4	28.0	28.0	27.2	26.6
42.5°	22.4	22.9	23.5	22.4	21.6
45°	18.9	19.2	19.7	18.7	18.1
47.5°	16.5	16.5	17.1	16.3	16.0
50°	14.9	14.9	14.7	14.4	14.7
52.5°	13.6	13.3	13.1	13.3	13.3
55°	12.5	12.3	12.0	12.3	12.3
57.5°	11.7	11.5	11.2	11.2	11.5
60°	11.2	10.7	10.4	10.7	10.9
62.5°	10.7	9.9	9.6	9.9	10.4
65°	10.4	9.3	8.8	9.3	10.1
67.5°	10.1	8.8	8.0	8.8	9.9
70°	9.9	8.3	7.2	8.3	9.6
72.5°	9.6	7.7	6.7	7.7	9.6
75°	9.6	7.2	5.9	7.2	9.3
77.5°	9.1	6.7	5.1	6.7	8.8
80°	8.0	6.1	4.3	5.9	7.5
82.5°	5.9	5.3	3.2	5.1	5.6
85°	3.2	3.7	2.1	3.5	2.9
87.5°	0.5	0.8	0.5	1.6	1.1



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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)