

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: P1309292

Luminaire Tested: P3SQAS17R309035DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309292
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: P3SQAS17R309035DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

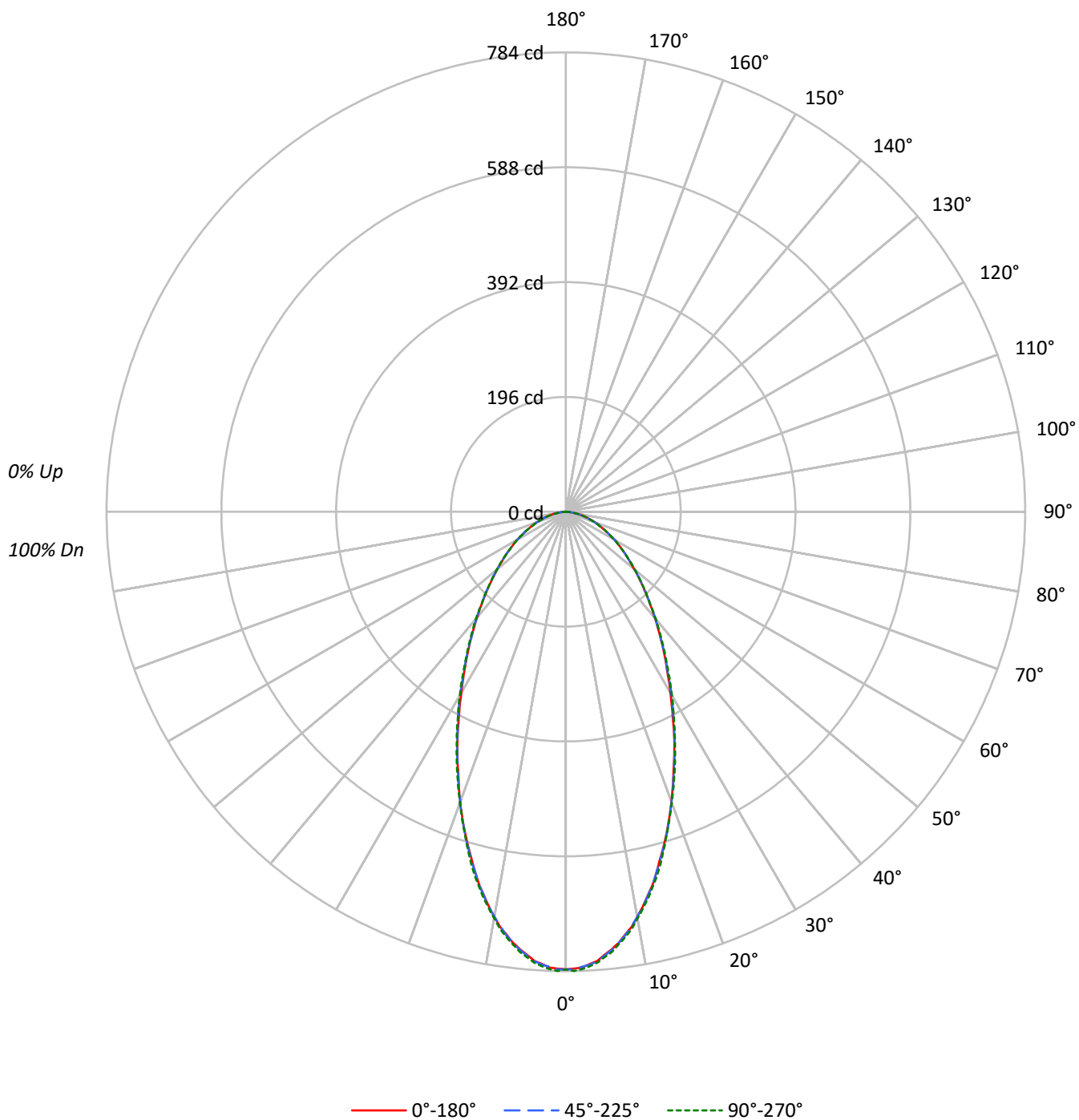
Lumens per Lamp: N/A
Luminaire Lumens: 1002.9 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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°	134523	134523	134523
5°	131199	131441	131925
10°	122765	122765	123255
15°	110081	110331	111080
20°	96623	96623	96879
25°	83308	83308	83840
30°	70915	71731	72009
35°	61265	61539	61833
40°	53035	53327	53642
45°	46301	46642	46642
50°	40886	40886	41261
55°	36662	36662	36662
60°	32963	32963	32963
65°	29382	29382	29382
70°	26537	26537	26537
75°	24022	23090	23090
80°	20629	19241	19241
85°	13635	13635	13635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 46642 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	7.1
10°-20°	172.5	17.2
20°-30°	201.4	20.1
30°-40°	183.3	18.3
40°-50°	148.1	14.8
50°-60°	109.3	10.9
60°-70°	72.0	7.2
70°-80°	37.2	3.7
80°-90°	8.5	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°	444.6	44.3
0°-40°	627.9	62.6
0°-60°	885.3	88.3
0°-90°	1002.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	759	759	760	760	763	71
15°	617	619	619	619	623	172
25°	438	437	438	438	441	201
35°	291	290	293	293	294	183
45°	190	192	192	192	192	148
55°	122	121	122	121	122	110
65°	72	72	72	72	72	72
75°	36	35	35	35	35	38
85°	7	7	7	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.1	781.1	781.1	781.1	781.1
1°	779.7	779.7	781.1	779.7	783.9
2°	778.3	777.0	777.0	777.0	781.1
3°	772.8	772.8	774.2	772.8	777.0
4°	768.6	767.2	768.6	767.2	771.4
5°	758.9	758.9	760.3	760.3	763.1
6°	750.6	750.6	752.0	750.6	754.8
7°	740.9	740.9	740.9	740.9	743.7
8°	728.4	728.4	729.8	729.8	732.6
9°	717.3	715.9	715.9	715.9	720.1
10°	702.0	702.0	702.0	702.0	704.8
11°	686.8	686.8	686.8	686.8	689.5
12°	670.1	670.1	671.5	670.1	674.3
13°	654.9	654.9	654.9	654.9	657.6
14°	636.8	635.4	636.8	636.8	641.0
15°	617.4	618.8	618.8	618.8	623.0
17.5°	573.0	573.0	574.4	571.6	574.4
20°	527.2	525.8	527.2	527.2	528.6
22.5°	480.0	481.4	481.4	481.4	484.2
25°	438.4	437.0	438.4	438.4	441.2
27.5°	395.4	396.8	398.2	396.8	399.6
30°	356.6	359.3	360.7	358.0	362.1
32.5°	321.9	321.9	323.3	324.7	326.0
35°	291.4	290.0	292.7	292.7	294.1
37.5°	262.2	262.2	262.2	263.6	265.0
40°	235.9	235.9	237.2	237.2	238.6
42.5°	212.3	210.9	212.3	212.3	212.3
45°	190.1	191.5	191.5	191.5	191.5
47.5°	170.7	170.7	172.0	170.7	172.0
50°	152.6	152.6	152.6	152.6	154.0
52.5°	136.0	136.0	136.0	136.0	137.4
55°	122.1	120.7	122.1	120.7	122.1
57.5°	108.2	108.2	108.2	108.2	108.2
60°	95.7	94.3	95.7	94.3	95.7
62.5°	83.2	83.2	83.2	83.2	83.2
65°	72.1	72.1	72.1	72.1	72.1
67.5°	62.4	62.4	62.4	61.0	61.0
70°	52.7	52.7	52.7	52.7	52.7
72.5°	44.4	43.0	43.0	43.0	43.0
75°	36.1	34.7	34.7	34.7	34.7
77.5°	27.7	27.7	26.4	26.4	27.7
80°	20.8	19.4	19.4	19.4	19.4
82.5°	12.5	12.5	12.5	12.5	12.5
85°	6.9	6.9	6.9	6.9	6.9
87.5°	1.4	1.4	1.4	2.8	2.8



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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)