

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: P1313416

Luminaire Tested: P3SQAS13R309730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

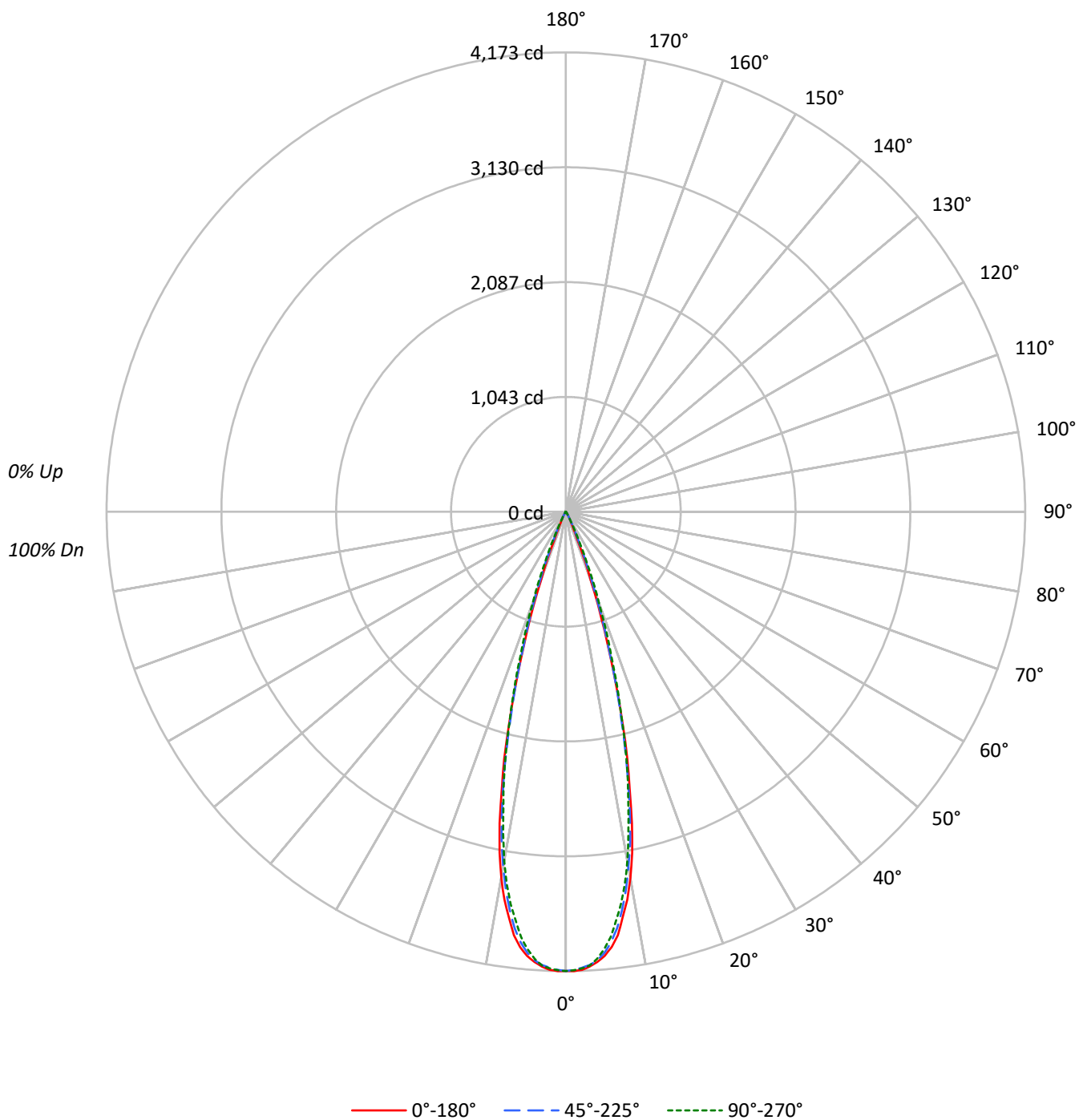
Lumens per Lamp: N/A
Luminaire Lumens: 1011.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	718582	718582	718582
5°	700080	695256	689534
10°	590813	572678	563374
15°	356043	346094	352459
20°	120760	139454	160861
25°	22195	34775	41084
30°	7636	8492	9526
35°	2208	2754	2922
40°	585	989	787
45°	219	219	219
50°	241	0	241
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.8	35.7
10°-20°	527.3	52.2
20°-30°	111.6	11.0
30°-40°	10.3	1.0
40°-50°	1.0	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	999.7	98.9
0°-40°	1009.9	99.9
0°-60°	1011.0	100.0
0°-90°	1011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4172	4172	4172	4172	4172	
5°	4050	4042	4022	4009	3988	366
15°	1997	1990	1941	1986	1977	527
25°	117	131	183	215	216	85
35°	10	13	13	16	14	9
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4172.4	4172.4	4172.4	4172.4	4172.4
1°	4173.3	4169.0	4162.8	4171.6	4165.5
2°	4164.6	4154.1	4145.4	4154.1	4151.5
3°	4138.4	4129.7	4123.6	4128.0	4128.0
4°	4099.2	4089.6	4084.4	4085.3	4072.2
5°	4049.5	4041.7	4021.6	4009.4	3988.5
6°	3976.3	3957.1	3932.7	3912.7	3885.7
7°	3877.0	3847.3	3812.5	3777.6	3743.6
8°	3717.5	3703.5	3656.4	3632.9	3598.9
9°	3567.5	3533.5	3483.0	3444.6	3426.3
10°	3378.4	3327.8	3274.7	3244.2	3221.5
11°	3154.4	3103.0	3060.3	3015.8	2980.9
12°	2891.2	2847.6	2798.8	2769.1	2728.2
13°	2579.1	2573.0	2518.1	2508.5	2503.3
14°	2311.5	2287.1	2233.1	2247.9	2251.4
15°	1996.9	1989.9	1941.1	1986.4	1976.8
17.5°	1250.8	1253.4	1283.9	1355.4	1378.0
20°	658.9	679.0	760.9	847.2	877.7
22.5°	266.7	311.2	394.8	453.2	492.5
25°	116.8	130.7	183.0	215.3	216.2
27.5°	66.2	67.1	88.0	91.5	93.3
30°	38.4	39.2	42.7	45.3	47.9
32.5°	20.9	22.7	23.5	27.0	27.0
35°	10.5	13.1	13.1	15.7	13.9
37.5°	6.1	7.0	7.8	7.8	7.0
40°	2.6	3.5	4.4	4.4	3.5
42.5°	0.9	1.7	1.7	1.7	2.6
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)