

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: P1308010

Luminaire Tested: P3SQAS13R309030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

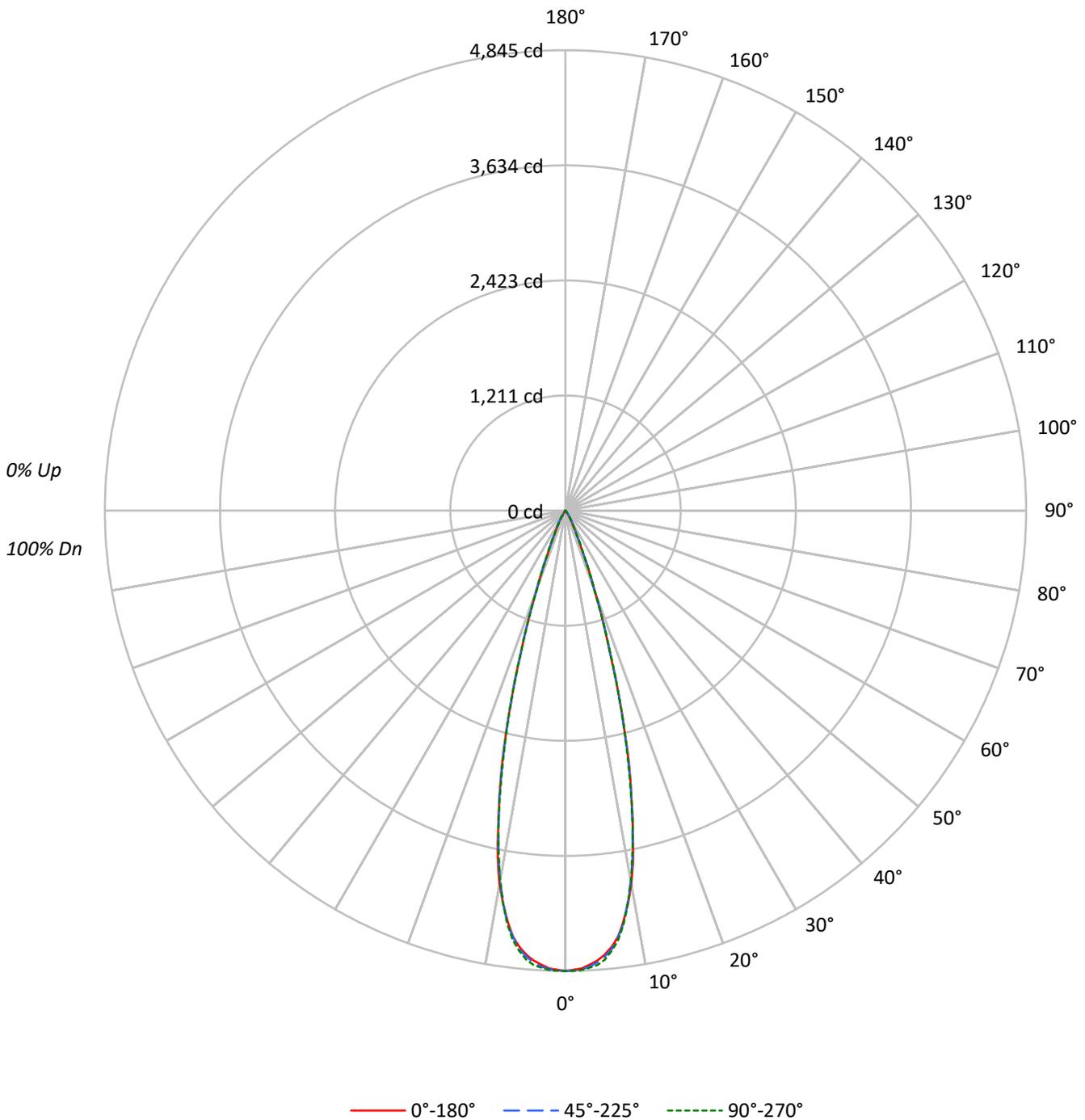
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1260.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 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 (A_{in}): 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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	834367	834367	834367
5°	811501	815028	820076
10°	697821	691858	692540
15°	428771	425312	425651
20°	163189	163537	160513
25°	51896	54671	52086
30°	20881	25912	21458
35°	6749	11437	6749
40°	3058	5036	3058
45°	1193	2119	1193
50°	509	1045	509
55°	570	570	570
60°	654	654	654
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.3	33.9
10°-20°	634.0	50.3
20°-30°	157.5	12.5
30°-40°	31.4	2.5
40°-50°	5.7	0.5
50°-60°	1.8	0.1
60°-70°	1.3	0.1
70°-80°	0.9	0.1
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°	1218.8	96.7
0°-40°	1250.3	99.2
0°-60°	1257.7	99.8
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4845	4845	4845	4845	4845	
5°	4694	4710	4714	4721	4744	427
15°	2405	2410	2385	2393	2387	636
25°	273	279	288	284	274	153
35°	32	42	54	41	32	26
45°	5	6	9	7	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	4844.7	4844.7	4844.7	4844.7	4844.7
1°	4834.0	4839.8	4843.7	4843.7	4843.7
2°	4820.4	4824.3	4830.1	4831.1	4838.9
3°	4788.3	4797.1	4806.8	4812.6	4816.5
4°	4749.4	4761.1	4766.9	4781.5	4794.1
5°	4694.0	4709.6	4714.4	4721.2	4743.6
6°	4619.2	4630.8	4640.6	4643.5	4657.1
7°	4520.0	4525.9	4523.9	4528.8	4553.1
8°	4369.4	4371.3	4387.8	4377.1	4393.7
9°	4190.5	4182.7	4178.8	4186.6	4187.6
10°	3990.3	3964.0	3956.2	3949.4	3960.1
11°	3730.7	3696.7	3699.6	3697.7	3682.1
12°	3408.0	3404.1	3378.8	3383.7	3407.0
13°	3078.5	3085.3	3080.4	3086.2	3060.0
14°	2769.4	2736.3	2745.1	2712.0	2724.6
15°	2404.8	2409.7	2385.4	2393.2	2387.3
17.5°	1539.7	1550.4	1542.6	1535.8	1546.5
20°	890.4	889.4	892.3	883.6	875.8
22.5°	468.5	475.3	484.1	485.1	490.9
25°	273.1	279.0	287.7	283.8	274.1
27.5°	167.2	177.9	191.5	181.8	170.1
30°	105.0	113.7	130.3	114.7	107.9
32.5°	59.3	71.9	85.5	71.9	59.3
35°	32.1	41.8	54.4	40.8	32.1
37.5°	21.4	24.3	36.0	24.3	21.4
40°	13.6	16.5	22.4	16.5	13.6
42.5°	7.8	10.7	12.6	10.7	7.8
45°	4.9	5.8	8.7	6.8	4.9
47.5°	1.9	2.9	5.8	2.9	2.9
50°	1.9	1.9	3.9	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
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)