

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: P1315537

Luminaire Tested: P3SQAS17R409740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

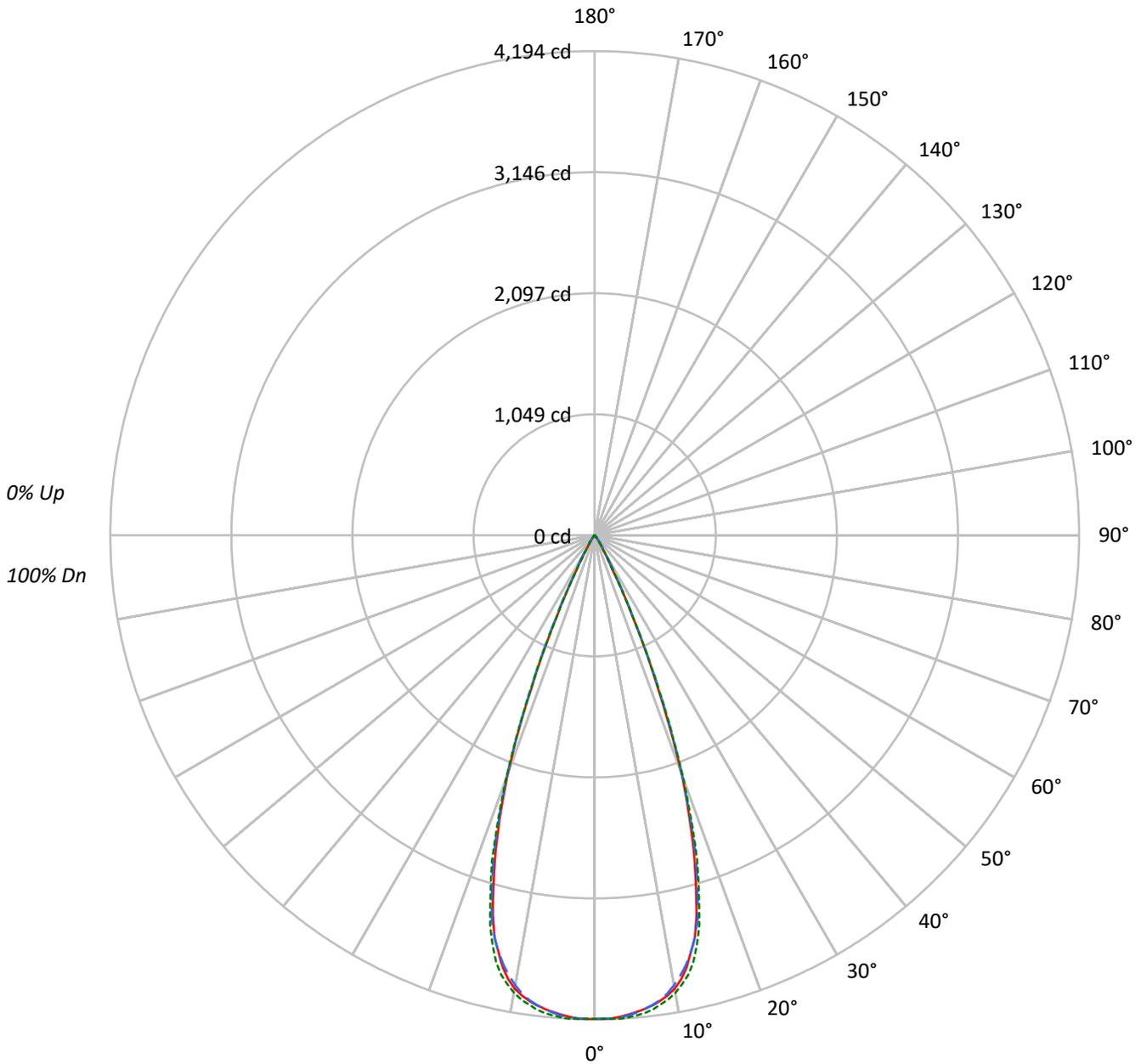
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1772.9 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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



— 0°-180° - - 45°-225° - · - · 90°-270°



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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	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	721475	721475	721475
5°	716693	717765	721655
10°	697297	692050	703610
15°	607550	613773	623330
20°	404691	406743	410629
25°	147138	151622	147841
30°	31242	41901	31242
35°	11017	18607	10491
40°	3934	5890	3934
45°	901	2436	901
50°	670	991	670
55°	751	751	751
60°	861	861	861
65°	489	1019	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2436 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.4	22.1
10°-20°	912.2	51.5
20°-30°	410.6	23.2
30°-40°	46.7	2.6
40°-50°	6.7	0.4
50°-60°	2.3	0.1
60°-70°	1.9	0.1
70°-80°	1.1	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°	1714.2	96.7
0°-40°	1761.0	99.3
0°-60°	1769.9	99.8
0°-90°	1772.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4189	4189	4189	4189	4189	
5°	4146	4141	4152	4170	4174	391
15°	3408	3416	3442	3470	3496	905
25°	774	779	798	798	778	401
35°	52	59	88	56	50	39
45°	4	6	10	6	4	5
55°	2	2	2	2	2	2
65°	1	2	2	2	1	2
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°	4189.2	4189.2	4189.2	4189.2	4189.2
1°	4191.7	4188.0	4186.7	4194.2	4188.0
2°	4188.0	4185.5	4186.7	4194.2	4189.2
3°	4176.8	4178.0	4181.8	4195.5	4194.2
4°	4163.1	4161.8	4169.3	4186.7	4186.7
5°	4145.6	4140.6	4151.8	4170.5	4174.3
6°	4125.6	4119.4	4128.1	4151.8	4160.6
7°	4103.2	4090.7	4098.2	4126.9	4138.1
8°	4073.3	4057.1	4065.8	4094.5	4103.2
9°	4035.9	4010.9	4018.4	4053.3	4070.8
10°	3987.3	3956.1	3957.3	3996.0	4023.4
11°	3918.7	3883.8	3885.0	3933.6	3962.3
12°	3827.7	3796.5	3802.7	3847.6	3893.7
13°	3704.2	3695.5	3703.0	3751.6	3794.0
14°	3584.5	3575.8	3589.5	3634.4	3654.4
15°	3407.5	3416.2	3442.4	3469.8	3496.0
17.5°	2846.4	2880.1	2911.3	2930.0	2952.4
20°	2208.1	2169.4	2219.3	2196.9	2240.5
22.5°	1425.1	1453.8	1466.2	1453.8	1458.8
25°	774.3	779.2	797.9	797.9	778.0
27.5°	329.2	355.3	379.0	370.3	329.2
30°	157.1	180.8	210.7	182.0	157.1
32.5°	88.5	104.7	135.9	102.2	86.0
35°	52.4	58.6	88.5	56.1	49.9
37.5°	31.2	32.4	48.6	33.7	29.9
40°	17.5	21.2	26.2	21.2	17.5
42.5°	8.7	12.5	16.2	12.5	8.7
45°	3.7	6.2	10.0	6.2	3.7
47.5°	3.7	3.7	6.2	3.7	3.7
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	1.2	2.5	2.5	2.5	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
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)