

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: P1313511

Luminaire Tested: P3SQAS17R159730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

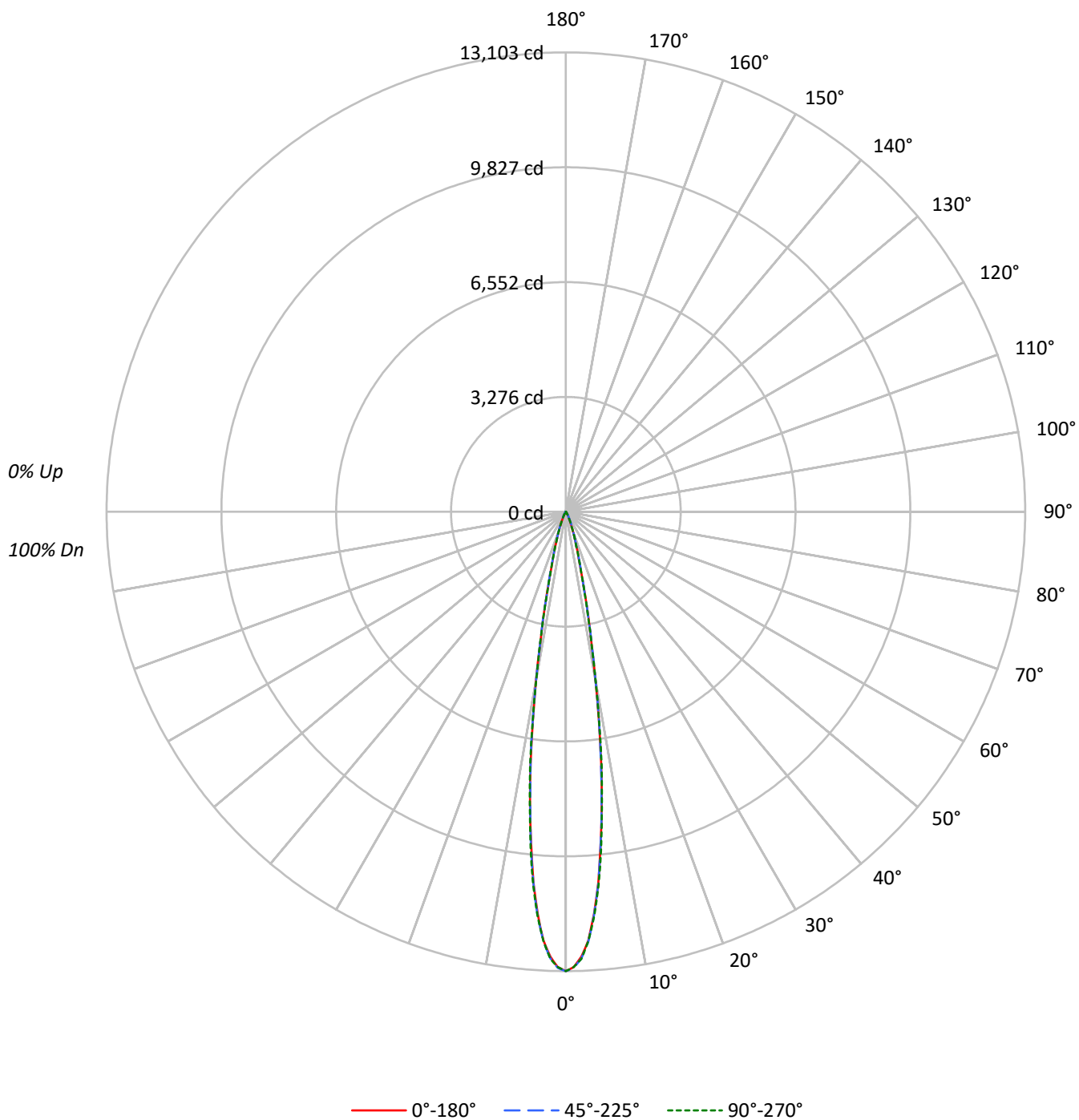
Lumens per Lamp: N/A
Luminaire Lumens: 1471.1 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2256685	2256685	2256685
5°	1835006	1841402	1847781
10°	854583	855405	850754
15°	264416	273884	268749
20°	105420	111340	104155
25°	44124	52010	41920
30°	17918	23884	16546
35°	5824	10933	5340
40°	2068	4406	2068
45°	852	1413	852
50°	616	938	616
55°	691	691	691
60°	792	792	792
65°	489	489	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: 1413 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.2	55.8
10°-20°	490.4	33.3
20°-30°	124.8	8.5
30°-40°	27.1	1.8
40°-50°	4.4	0.3
50°-60°	2.1	0.1
60°-70°	1.3	0.1
70°-80°	0.8	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°	1435.4	97.6
0°-40°	1462.5	99.4
0°-60°	1468.9	99.9
0°-90°	1471.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1471.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13103	13103	13103	13103	13103	
5°	10614	10629	10651	10603	10688	818
15°	1483	1525	1536	1514	1507	488
25°	232	248	274	242	221	118
35°	28	36	52	35	25	22
45°	4	5	6	5	4	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13103.3	13103.3	13103.3	13103.3	13103.3
1°	12989.0	13010.9	13014.4	13010.9	12992.4
2°	12696.7	12761.4	12747.6	12719.8	12759.1
3°	12245.1	12277.5	12272.9	12275.2	12265.9
4°	11510.6	11567.2	11534.8	11559.1	11561.4
5°	10614.3	10629.3	10651.3	10602.8	10688.2
6°	9511.3	9607.2	9522.8	9606.0	9639.5
7°	8389.8	8445.2	8337.8	8395.6	8430.2
8°	7242.9	7145.9	7204.8	7205.9	7320.3
9°	6004.8	6024.4	6074.1	6017.5	6067.1
10°	4886.7	4931.8	4891.4	4871.7	4864.8
11°	3858.8	3909.6	3906.2	3911.9	3873.8
12°	3104.6	3078.0	3095.4	3038.8	3064.2
13°	2416.2	2417.4	2403.5	2380.4	2359.6
14°	1893.0	1881.5	1913.8	1884.9	1858.4
15°	1483.0	1524.6	1536.1	1514.2	1507.3
17.5°	914.7	915.9	932.1	911.3	909.0
20°	575.2	589.0	607.5	585.6	568.3
22.5°	363.8	376.5	405.4	377.7	353.4
25°	232.2	248.3	273.7	242.5	220.6
27.5°	145.5	160.5	184.8	155.9	139.8
30°	90.1	100.5	120.1	98.2	83.2
32.5°	52.0	62.4	78.5	58.9	49.7
35°	27.7	35.8	52.0	34.6	25.4
37.5°	16.2	20.8	33.5	18.5	15.0
40°	9.2	12.7	19.6	11.5	9.2
42.5°	5.8	8.1	9.2	6.9	4.6
45°	3.5	4.6	5.8	4.6	3.5
47.5°	2.3	3.5	4.6	2.3	2.3
50°	2.3	2.3	3.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	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°	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)