

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: P1306029

Luminaire Tested: P3SQAS17R159024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306029
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: P3SQAS17R159024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

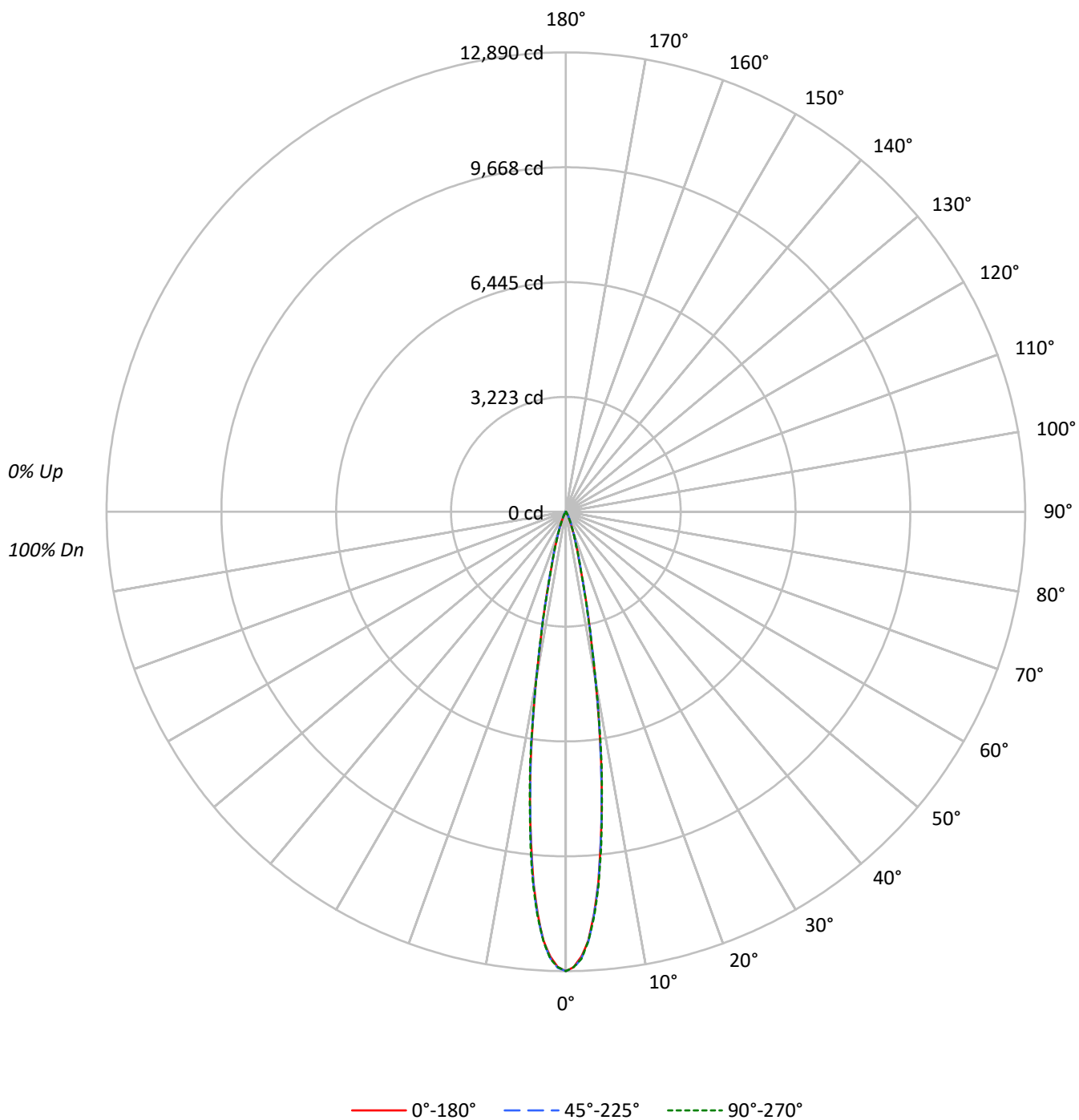
Lumens per Lamp: N/A
Luminaire Lumens: 1447.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	97	96
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	93	92
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	91	90
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	89	88	87
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	87	85
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	86	85	84
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	84	83
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	83	82
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	82	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2219864	2219864	2219864
5°	1805063	1811355	1817631
10°	840646	841450	836868
15°	260101	269426	264362
20°	103697	109525	102451
25°	43402	51174	41236
30°	17619	23506	16267
35°	5740	10744	5256
40°	2046	4339	2046
45°	828	1388	828
50°	616	911	616
55°	691	691	691
60°	792	792	792
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.8	55.8
10°-20°	482.4	33.3
20°-30°	122.8	8.5
30°-40°	26.7	1.8
40°-50°	4.3	0.3
50°-60°	2.1	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1412.0	97.6
0°-40°	1438.6	99.4
0°-60°	1445.0	99.9
0°-90°	1447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12890	12890	12890	12890	12890	
5°	10441	10456	10478	10430	10514	805
15°	1459	1500	1511	1490	1483	480
25°	228	244	269	239	217	116
35°	27	35	51	34	25	22
45°	3	4	6	4	3	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°	12889.5	12889.5	12889.5	12889.5	12889.5
1°	12777.0	12798.6	12802.0	12798.6	12780.4
2°	12489.6	12553.2	12539.6	12512.3	12550.9
3°	12045.4	12077.2	12072.6	12074.9	12065.8
4°	11322.8	11378.4	11346.6	11370.5	11372.8
5°	10441.1	10455.9	10477.5	10429.8	10513.8
6°	9356.1	9450.4	9367.5	9449.3	9482.2
7°	8252.9	8307.5	8201.8	8258.6	8292.7
8°	7124.7	7029.3	7087.2	7088.4	7200.9
9°	5906.8	5926.1	5975.0	5919.3	5968.1
10°	4807.0	4851.3	4811.6	4792.2	4785.4
11°	3795.8	3845.8	3842.4	3848.1	3810.6
12°	3053.9	3027.8	3044.9	2989.2	3014.2
13°	2376.8	2377.9	2364.3	2341.6	2321.1
14°	1862.1	1850.8	1882.6	1854.2	1828.1
15°	1458.8	1499.7	1511.1	1489.5	1482.7
17.5°	899.8	901.0	916.9	896.4	894.1
20°	565.8	579.4	597.6	576.0	559.0
22.5°	357.9	370.4	398.8	371.5	347.7
25°	228.4	244.3	269.3	238.6	217.0
27.5°	143.2	157.9	181.8	153.4	137.5
30°	88.6	98.8	118.2	96.6	81.8
32.5°	51.1	61.4	77.3	57.9	48.9
35°	27.3	35.2	51.1	34.1	25.0
37.5°	15.9	20.5	32.9	18.2	14.8
40°	9.1	12.5	19.3	11.4	9.1
42.5°	5.7	8.0	9.1	6.8	4.5
45°	3.4	4.5	5.7	4.5	3.4
47.5°	2.3	3.4	4.5	2.3	2.3
50°	2.3	2.3	3.4	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°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
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)