

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: P1317218

Luminaire Tested: P3SQAS17R159830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317218
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: P3SQAS17R159830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

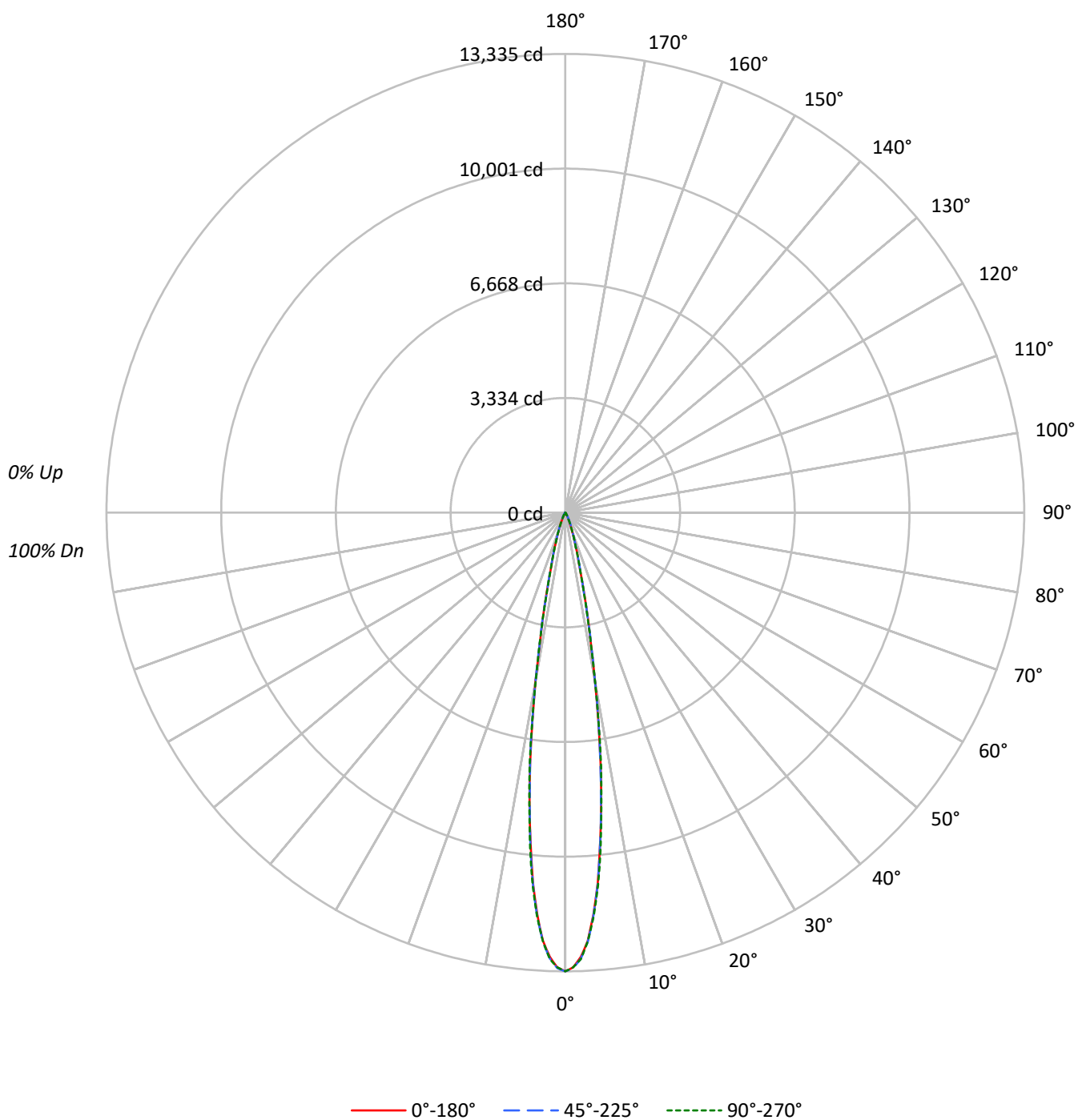
Lumens per Lamp: N/A
Luminaire Lumens: 1497.1 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	2296572	2296572	2296572
5°	1867438	1873938	1880439
10°	869693	870515	865793
15°	269087	278733	273491
20°	107271	113319	105988
25°	44903	52941	42661
30°	18236	24301	16824
35°	5929	11122	5445
40°	2113	4496	2113
45°	852	1437	852
50°	643	938	643
55°	721	721	721
60°	827	827	827
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: 1437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.7	55.8
10°-20°	499.1	33.3
20°-30°	127.0	8.5
30°-40°	27.6	1.8
40°-50°	4.5	0.3
50°-60°	2.2	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°	1460.7	97.6
0°-40°	1488.3	99.4
0°-60°	1495.0	99.9
0°-90°	1497.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1497.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13335	13335	13335	13335	13335	
5°	10802	10817	10840	10790	10877	833
15°	1509	1552	1563	1541	1534	497
25°	236	253	279	247	224	120
35°	28	36	53	35	26	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°	13334.9	13334.9	13334.9	13334.9	13334.9
1°	13218.5	13240.9	13244.4	13240.9	13222.1
2°	12921.2	12987.0	12972.9	12944.7	12984.6
3°	12461.6	12494.5	12489.8	12492.1	12482.7
4°	11714.0	11771.6	11738.7	11763.4	11765.7
5°	10801.9	10817.2	10839.5	10790.2	10877.1
6°	9679.4	9777.0	9691.2	9775.8	9809.9
7°	8538.1	8594.5	8485.2	8544.0	8579.2
8°	7370.9	7272.2	7332.1	7333.3	7449.7
9°	6110.9	6130.9	6181.4	6123.8	6174.4
10°	4973.1	5019.0	4977.8	4957.8	4950.8
11°	3927.0	3978.7	3975.2	3981.1	3942.3
12°	3159.5	3132.4	3150.1	3092.5	3118.3
13°	2458.9	2460.1	2446.0	2422.5	2401.3
14°	1926.5	1914.7	1947.6	1918.3	1891.2
15°	1509.2	1551.5	1563.3	1540.9	1533.9
17.5°	930.9	932.1	948.5	927.4	925.0
20°	585.3	599.5	618.3	595.9	578.3
22.5°	370.3	383.2	412.6	384.4	359.7
25°	236.3	252.7	278.6	246.8	224.5
27.5°	148.1	163.4	188.1	158.7	142.2
30°	91.7	102.3	122.2	99.9	84.6
32.5°	52.9	63.5	79.9	59.9	50.5
35°	28.2	36.4	52.9	35.3	25.9
37.5°	16.5	21.2	34.1	18.8	15.3
40°	9.4	12.9	20.0	11.8	9.4
42.5°	5.9	8.2	9.4	7.1	4.7
45°	3.5	4.7	5.9	4.7	3.5
47.5°	2.4	3.5	4.7	2.4	2.4
50°	2.4	2.4	3.5	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
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)