

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: P1318039

Luminaire Tested: P3SQAS13R459835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

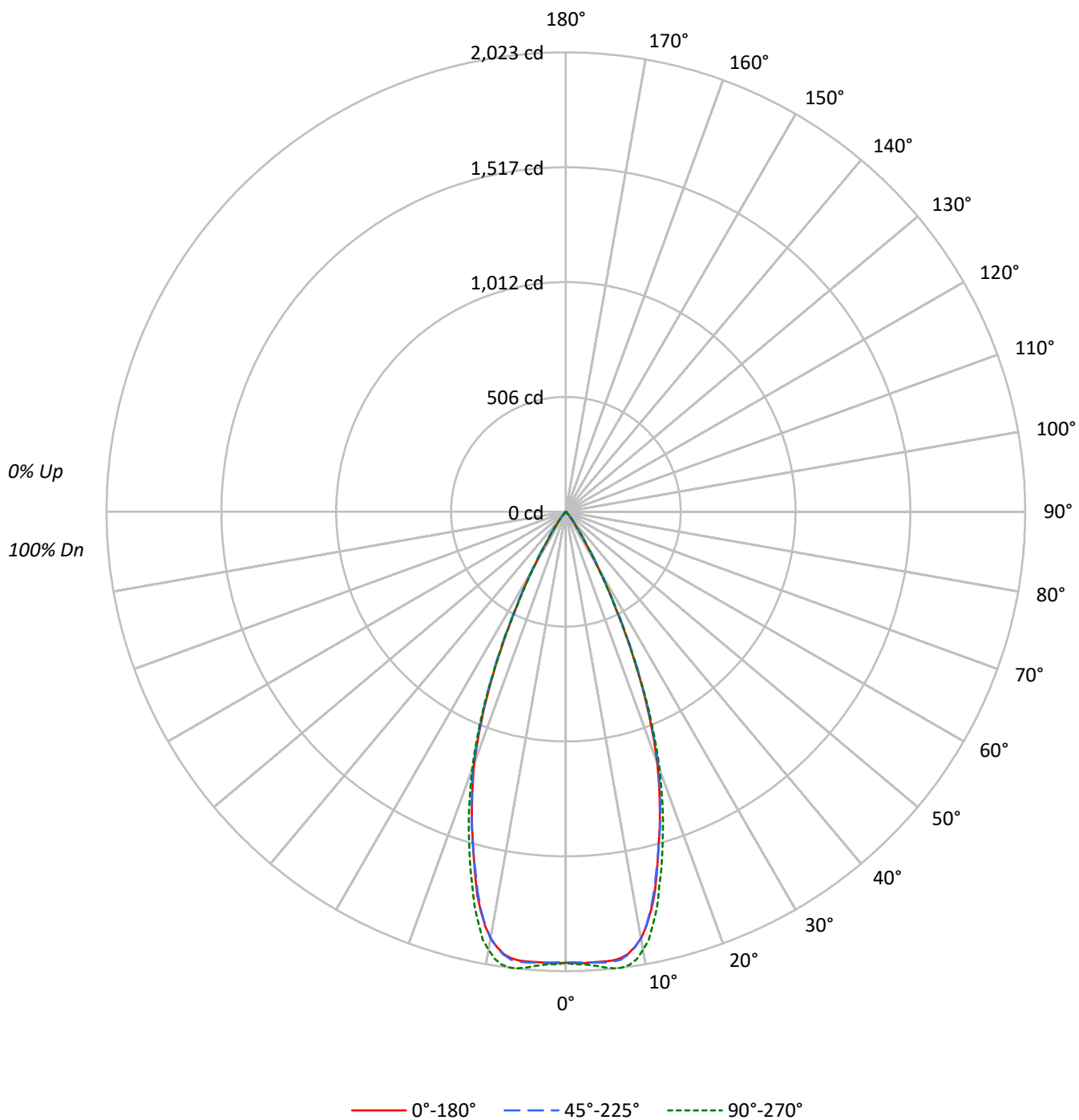
Lumens per Lamp: N/A
Luminaire Lumens: 1028.1 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	342069	342069	342069
5°	343773	344430	348354
10°	333565	333303	342589
15°	279553	279429	289699
20°	216118	218336	221397
25°	132487	135223	132772
30°	56816	59381	55006
35°	17850	21508	17366
40°	6138	7846	5958
45°	1096	3312	926
50°	616	1206	616
55°	691	691	691
60°	517	517	517
65°	611	611	611
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	18.4
10°-20°	436.2	42.4
20°-30°	319.4	31.1
30°-40°	70.6	6.9
40°-50°	8.7	0.8
50°-60°	2.1	0.2
60°-70°	1.4	0.1
70°-80°	0.9	0.1
80°-90°	0.1	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°	944.4	91.9
0°-40°	1014.9	98.7
0°-60°	1025.6	99.8
0°-90°	1028.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1988	1987	1992	2007	2015	188
15°	1568	1560	1567	1605	1625	433
25°	697	696	712	706	699	316
35°	85	89	102	89	83	67
45°	4	8	14	8	4	6
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	1986.2	1986.2	1986.2	1986.2	1986.2
1°	1987.8	1984.7	1984.0	1989.3	1993.1
2°	1989.3	1985.5	1986.2	1991.5	1993.8
3°	1987.8	1984.0	1987.8	1995.3	1998.4
4°	1987.0	1985.5	1989.3	1999.9	2005.2
5°	1988.5	1987.0	1992.3	2006.7	2015.0
6°	1986.2	1984.0	1991.5	2009.7	2021.9
7°	1980.9	1978.7	1987.0	2009.0	2022.6
8°	1966.5	1962.0	1970.3	1997.6	2014.3
9°	1940.8	1934.7	1943.0	1974.9	1994.6
10°	1907.4	1900.6	1905.9	1937.0	1959.0
11°	1859.7	1850.6	1856.6	1890.0	1918.8
12°	1799.1	1786.2	1793.8	1831.6	1852.1
13°	1733.1	1721.0	1722.5	1756.6	1785.4
14°	1651.3	1635.4	1642.2	1677.8	1700.5
15°	1567.9	1559.6	1567.2	1605.1	1624.8
17.5°	1377.0	1376.2	1383.0	1411.1	1421.7
20°	1179.2	1181.4	1191.3	1206.4	1208.0
22.5°	945.0	945.8	956.4	967.0	964.7
25°	697.2	696.4	711.6	706.3	698.7
27.5°	462.3	465.3	478.9	469.1	461.5
30°	285.7	291.8	298.6	286.5	276.6
32.5°	154.6	164.4	174.3	163.7	153.8
35°	84.9	89.4	102.3	89.4	82.6
37.5°	49.3	51.5	59.9	51.5	47.0
40°	27.3	31.1	34.9	31.1	26.5
42.5°	11.4	17.4	21.2	17.4	11.4
45°	4.5	7.6	13.6	7.6	3.8
47.5°	2.3	3.0	8.3	3.0	2.3
50°	2.3	2.3	4.5	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°	1.5	1.5	1.5	2.3	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.8	0.8	0.8	1.5	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
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)