

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: P1317072

Luminaire Tested: P3SQAS13R159830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317072
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: P3SQAS13R159830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

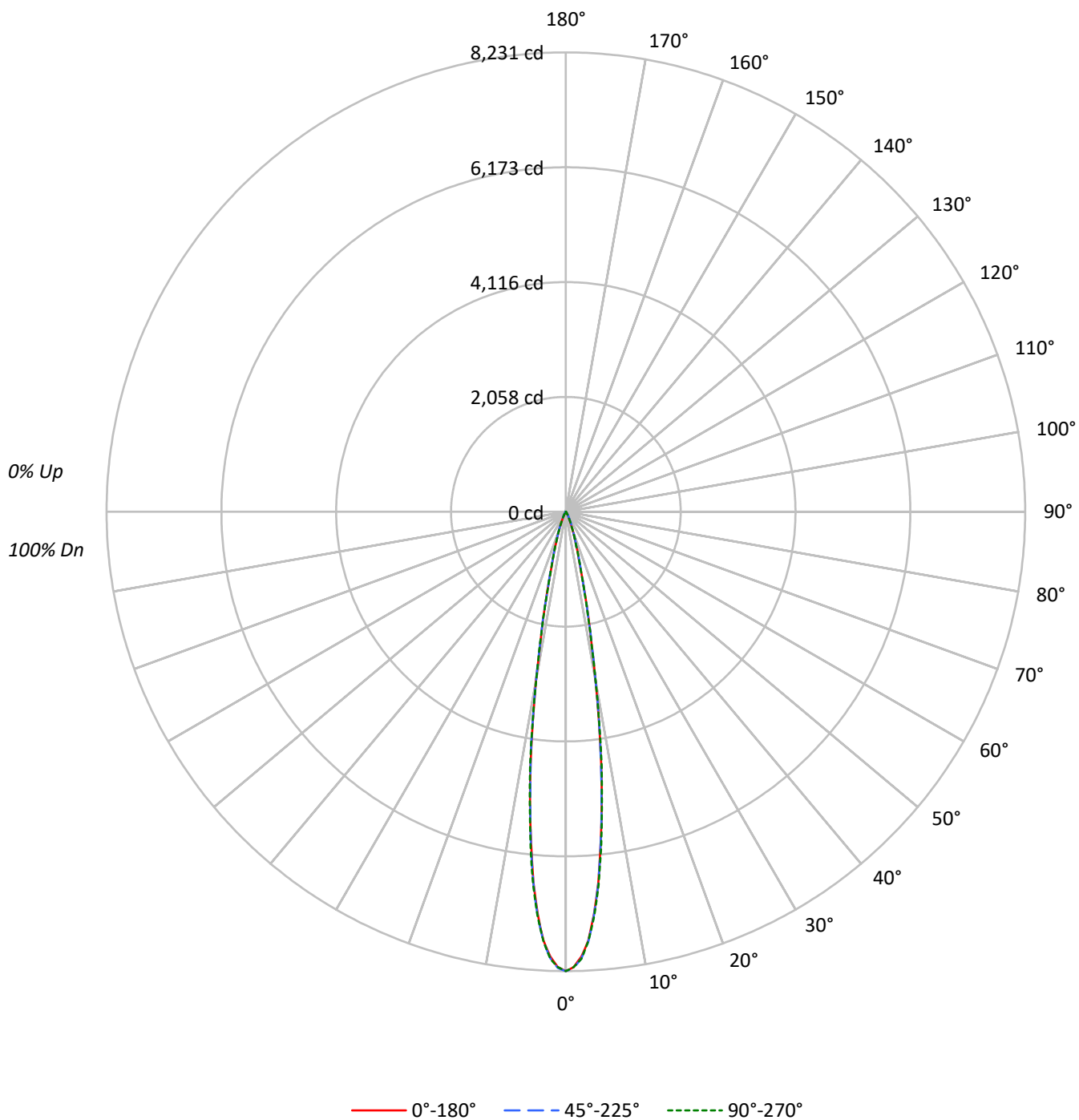
Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	87	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°	1417530	1417530	1417530
5°	1152646	1156657	1160668
10°	536810	537317	534397
15°	166085	172040	168813
20°	66217	69938	65411
25°	27706	32666	26338
30°	11256	15014	10381
35°	3658	6854	3364
40°	1304	2765	1304
45°	536	877	536
50°	402	589	402
55°	450	450	450
60°	517	517	517
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.2	55.8
10°-20°	308.0	33.3
20°-30°	78.4	8.5
30°-40°	17.0	1.8
40°-50°	2.8	0.3
50°-60°	1.4	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	901.6	97.6
0°-40°	918.6	99.4
0°-60°	922.8	99.9
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8231	8231	8231	8231	8231	
5°	6667	6677	6690	6660	6714	514
15°	932	958	965	951	947	307
25°	146	156	172	152	139	74
35°	17	22	33	22	16	14
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
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°	8230.8	8230.8	8230.8	8230.8	8230.8
1°	8158.9	8172.7	8174.9	8172.7	8161.1
2°	7975.4	8016.0	8007.3	7989.9	8014.6
3°	7691.7	7712.0	7709.1	7710.6	7704.8
4°	7230.3	7265.9	7245.5	7260.8	7262.2
5°	6667.3	6676.7	6690.5	6660.1	6713.7
6°	5974.5	6034.7	5981.7	6034.0	6055.0
7°	5270.0	5304.8	5237.4	5273.6	5295.4
8°	4549.6	4488.6	4525.6	4526.4	4598.2
9°	3771.9	3784.2	3815.4	3779.8	3811.0
10°	3069.6	3097.9	3072.5	3060.1	3055.8
11°	2423.9	2455.8	2453.6	2457.3	2433.3
12°	1950.1	1933.4	1944.3	1908.8	1924.7
13°	1517.7	1518.5	1509.8	1495.2	1482.2
14°	1189.1	1181.8	1202.1	1184.0	1167.3
15°	931.5	957.7	964.9	951.1	946.8
17.5°	574.6	575.3	585.5	572.4	571.0
20°	361.3	370.0	381.6	367.8	356.9
22.5°	228.5	236.5	254.6	237.2	222.0
25°	145.8	156.0	171.9	152.4	138.6
27.5°	91.4	100.8	116.1	97.9	87.8
30°	56.6	63.1	75.5	61.7	52.2
32.5°	32.6	39.2	49.3	37.0	31.2
35°	17.4	22.5	32.6	21.8	16.0
37.5°	10.2	13.1	21.0	11.6	9.4
40°	5.8	8.0	12.3	7.3	5.8
42.5°	3.6	5.1	5.8	4.4	2.9
45°	2.2	2.9	3.6	2.9	2.2
47.5°	1.5	2.2	2.9	1.5	1.5
50°	1.5	1.5	2.2	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
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)