

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: P1313509

Luminaire Tested: P3SQAS17R159730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

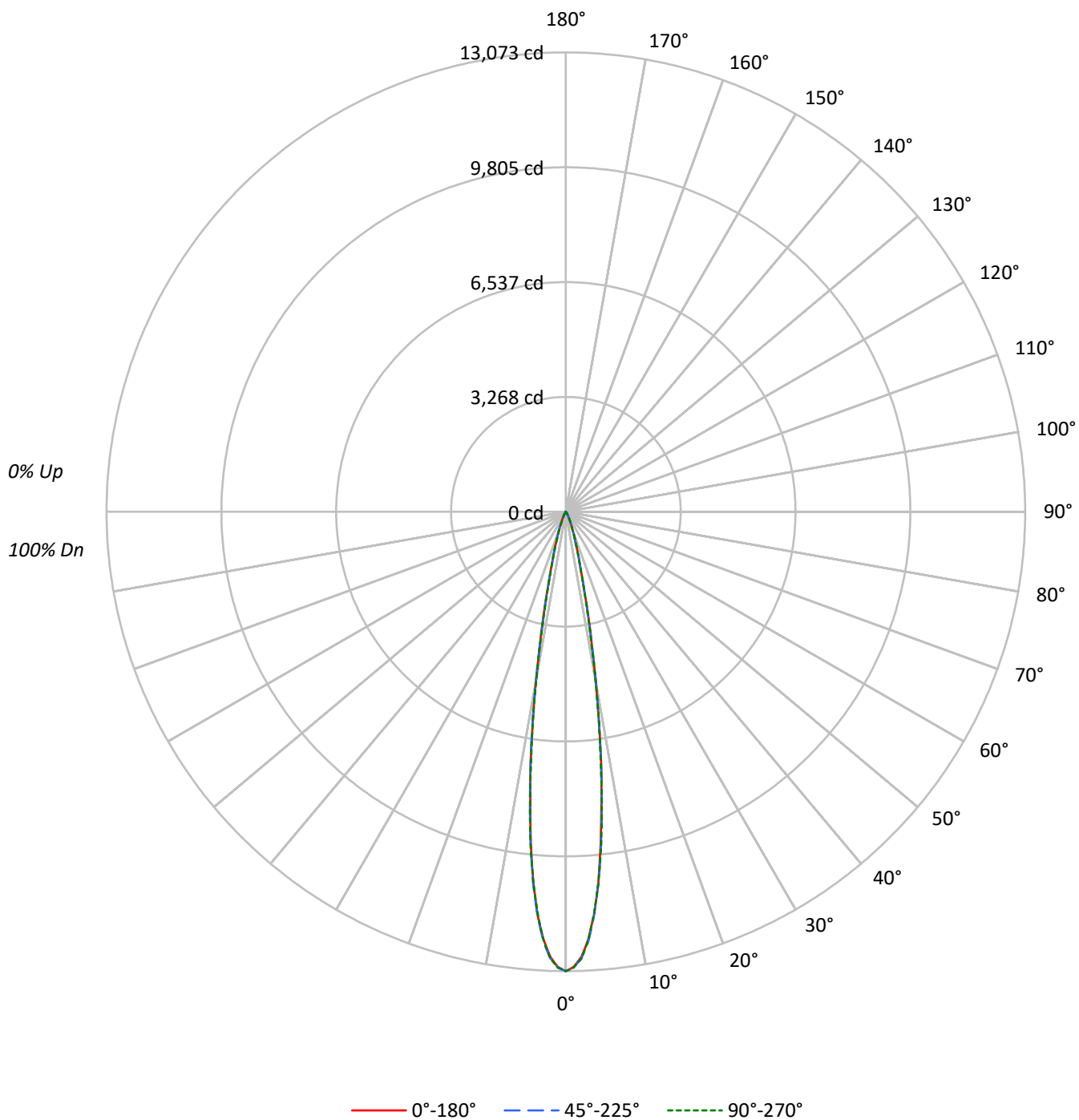
Lumens per Lamp: N/A
Luminaire Lumens: 1459.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2251398	2251398	2251398
5°	1833052	1839034	1835455
10°	855073	862750	851855
15°	268517	270781	269123
20°	106391	110607	103001
25°	42984	51972	41445
30°	17222	23645	16287
35°	5088	10428	4857
40°	1551	3889	1304
45°	292	852	292
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.5	56.1
10°-20°	489.5	33.6
20°-30°	123.4	8.5
30°-40°	25.2	1.7
40°-50°	2.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1431.4	98.1
0°-40°	1456.6	99.8
0°-60°	1459.0	100.0
0°-90°	1459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13073	13073	13073	13073	13073	
5°	10603	10583	10638	10611	10617	816
15°	1506	1519	1519	1497	1509	490
25°	226	247	274	242	218	116
35°	24	32	50	31	23	20
45°	1	2	4	2	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	13072.6	13072.6	13072.6	13072.6	13072.6
1°	12954.9	12998.7	12975.7	12994.1	12973.3
2°	12674.5	12733.3	12714.8	12709.1	12725.2
3°	12180.5	12248.6	12246.3	12229.0	12201.3
4°	11506.6	11478.9	11521.6	11517.0	11469.7
5°	10603.0	10583.4	10637.6	10611.1	10616.9
6°	9497.5	9582.9	9564.4	9566.7	9588.6
7°	8310.0	8356.2	8395.4	8427.7	8382.7
8°	7219.5	7207.9	7211.4	7248.3	7123.7
9°	5998.5	6070.1	6023.9	5950.1	5997.4
10°	4889.5	4933.4	4933.4	4868.8	4871.1
11°	3898.2	3934.0	3908.6	3924.8	3823.2
12°	3142.4	3053.5	3032.7	3048.9	3047.7
13°	2399.2	2404.9	2399.2	2398.0	2386.5
14°	1881.0	1911.0	1898.3	1867.2	1853.3
15°	1506.0	1518.7	1518.7	1496.7	1509.4
17.5°	904.7	919.7	923.2	908.2	908.2
20°	580.5	587.4	603.5	581.6	562.0
22.5°	357.7	372.7	400.4	368.1	352.0
25°	226.2	247.0	273.5	242.3	218.1
27.5°	141.9	159.3	182.3	152.3	137.3
30°	86.6	98.1	118.9	95.8	81.9
32.5°	48.5	57.7	75.0	55.4	46.2
35°	24.2	32.3	49.6	31.2	23.1
37.5°	13.8	17.3	31.2	15.0	12.7
40°	6.9	9.2	17.3	9.2	5.8
42.5°	2.3	4.6	6.9	4.6	2.3
45°	1.2	2.3	3.5	2.3	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)