

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: P1316196

Luminaire Tested: P3SQAS13R159827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316196
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: P3SQAS13R159827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

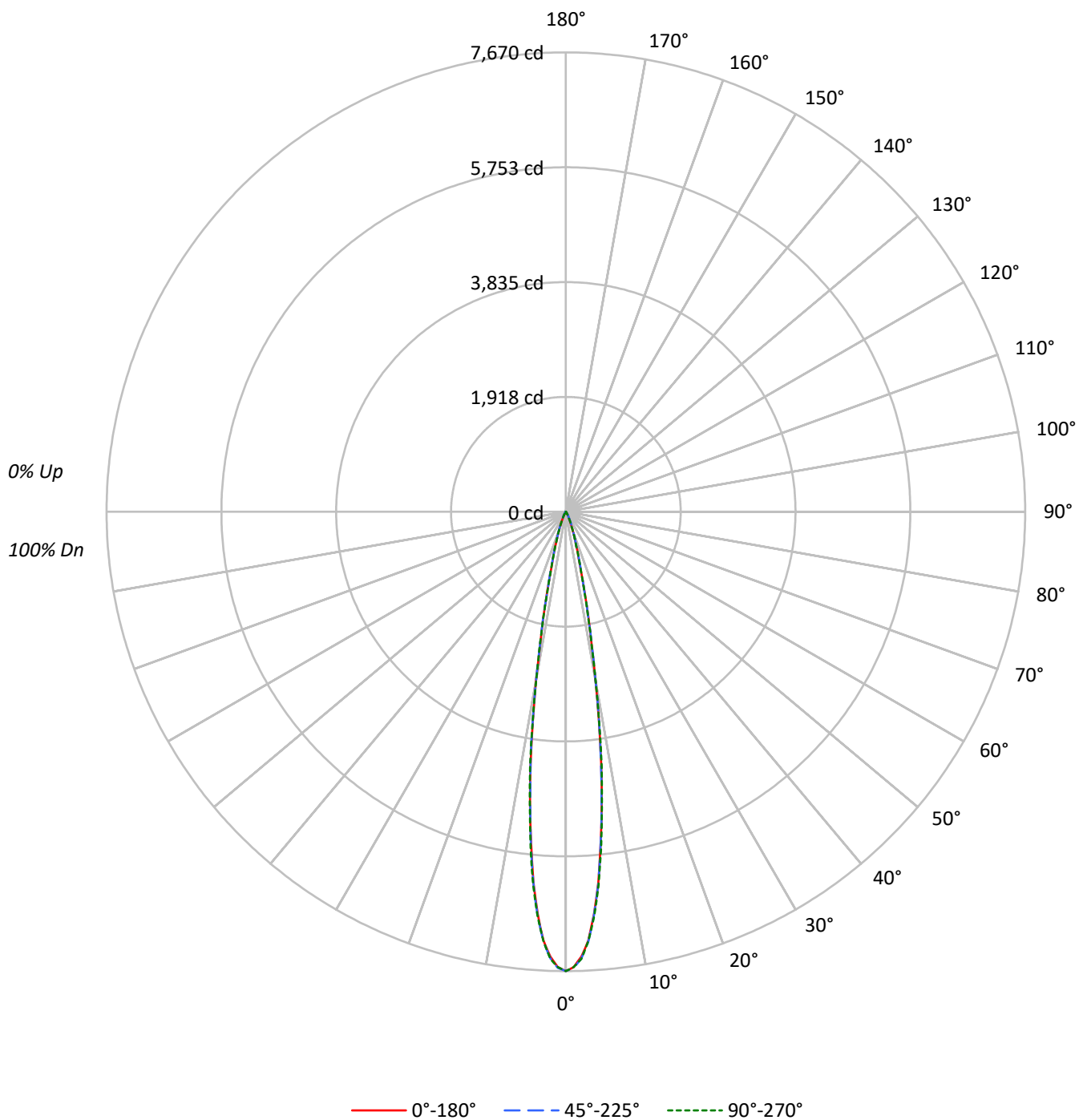
Lumens per Lamp: N/A
Luminaire Lumens: 861.1 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1320879	1320879	1320879
5°	1074055	1077806	1081540
10°	500208	500680	497952
15°	154763	160308	157294
20°	61709	65173	60957
25°	25825	30442	24532
30°	10480	13980	9685
35°	3406	6391	3133
40°	1214	2585	1214
45°	487	828	487
50°	375	536	375
55°	420	420	420
60°	482	482	482
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: 828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.1	55.8
10°-20°	287.0	33.3
20°-30°	73.0	8.5
30°-40°	15.9	1.8
40°-50°	2.6	0.3
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	840.2	97.6
0°-40°	856.0	99.4
0°-60°	859.9	99.9
0°-90°	861.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7670	7670	7670	7670	7670	
5°	6213	6222	6234	6206	6256	479
15°	868	892	899	886	882	286
25°	136	145	160	142	129	69
35°	16	21	30	20	15	13
45°	2	3	3	3	2	2
55°	1	1	1	1	1	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°	7669.6	7669.6	7669.6	7669.6	7669.6
1°	7602.6	7615.5	7617.5	7615.5	7604.7
2°	7431.6	7469.5	7461.4	7445.1	7468.1
3°	7167.3	7186.2	7183.5	7184.9	7179.5
4°	6737.3	6770.5	6751.5	6765.7	6767.1
5°	6212.7	6221.5	6234.4	6206.0	6256.0
6°	5567.1	5623.2	5573.9	5622.6	5642.2
7°	4910.7	4943.1	4880.3	4914.1	4934.4
8°	4239.4	4182.6	4217.1	4217.8	4284.7
9°	3514.7	3526.2	3555.2	3522.1	3551.2
10°	2860.3	2886.7	2863.0	2851.5	2847.4
11°	2258.6	2288.4	2286.3	2289.7	2267.4
12°	1817.2	1801.6	1811.8	1778.6	1793.5
13°	1414.3	1414.9	1406.8	1393.3	1381.1
14°	1108.0	1101.3	1120.2	1103.3	1087.7
15°	868.0	892.4	899.1	886.3	882.2
17.5°	535.4	536.1	545.6	533.4	532.0
20°	336.7	344.8	355.6	342.7	332.6
22.5°	212.9	220.4	237.3	221.1	206.9
25°	135.9	145.3	160.2	142.0	129.1
27.5°	85.2	94.0	108.2	91.3	81.8
30°	52.7	58.8	70.3	57.5	48.7
32.5°	30.4	36.5	46.0	34.5	29.1
35°	16.2	21.0	30.4	20.3	14.9
37.5°	9.5	12.2	19.6	10.8	8.8
40°	5.4	7.4	11.5	6.8	5.4
42.5°	3.4	4.7	5.4	4.1	2.7
45°	2.0	2.7	3.4	2.7	2.0
47.5°	1.4	2.0	2.7	1.4	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
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)