

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: P1308912

Luminaire Tested: P3SQAS09R159035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308912
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: P3SQAS09R159035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

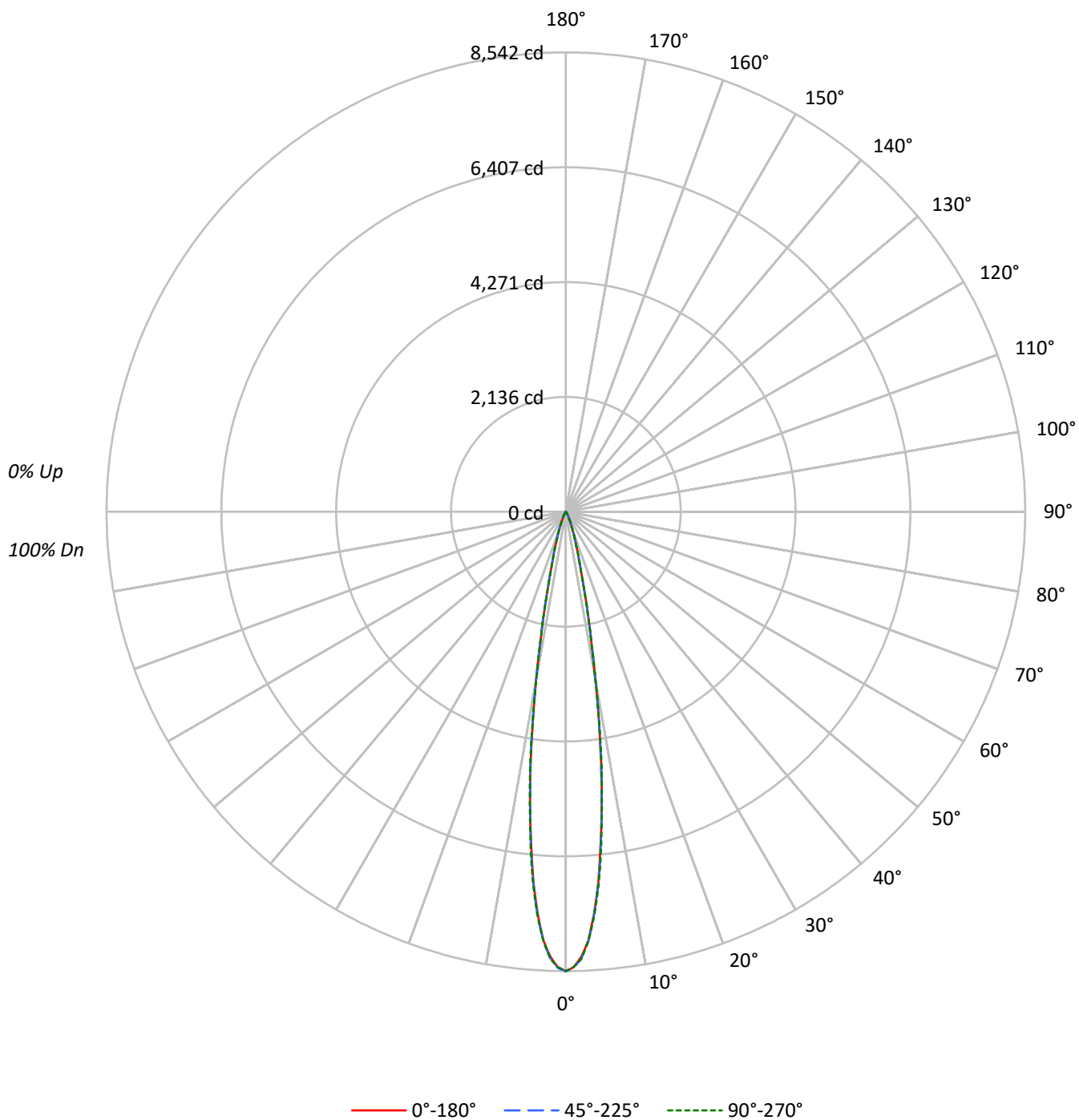
Lumens per Lamp: N/A
Luminaire Lumens: 959.1 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1471212	1471212	1471212
5°	1196316	1200482	1204649
10°	557131	557673	554630
15°	172379	178565	175196
20°	68728	72595	67904
25°	28751	33920	27326
30°	11673	15571	10779
35°	3805	7127	3490
40°	1349	2878	1349
45°	560	926	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.7	55.8
10°-20°	319.7	33.3
20°-30°	81.4	8.5
30°-40°	17.7	1.8
40°-50°	2.9	0.3
50°-60°	1.4	0.1
60°-70°	0.9	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°	935.8	97.6
0°-40°	953.5	99.4
0°-60°	957.7	99.9
0°-90°	959.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8542	8542	8542	8542	8542	
5°	6920	6930	6944	6912	6968	534
15°	967	994	1002	987	983	318
25°	151	162	178	158	144	77
35°	18	23	34	23	17	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	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°	8542.5	8542.5	8542.5	8542.5	8542.5
1°	8468.0	8482.3	8484.6	8482.3	8470.2
2°	8277.5	8319.7	8310.6	8292.5	8318.1
3°	7983.1	8004.2	8001.1	8002.6	7996.6
4°	7504.2	7541.1	7520.0	7535.8	7537.3
5°	6919.9	6929.7	6944.0	6912.3	6968.1
6°	6200.8	6263.3	6208.3	6262.5	6284.4
7°	5469.6	5505.8	5435.7	5473.4	5496.0
8°	4721.9	4658.7	4697.1	4697.8	4772.4
9°	3914.7	3927.5	3959.9	3923.0	3955.4
10°	3185.8	3215.2	3188.9	3176.1	3171.5
11°	2515.7	2548.8	2546.6	2550.3	2525.5
12°	2024.0	2006.7	2018.0	1981.1	1997.7
13°	1575.2	1576.0	1566.9	1551.9	1538.3
14°	1234.1	1226.6	1247.7	1228.9	1211.5
15°	966.8	993.9	1001.5	987.2	982.6
17.5°	596.4	597.1	607.7	594.1	592.6
20°	375.0	384.0	396.1	381.8	370.5
22.5°	237.2	245.5	264.3	246.2	230.4
25°	151.3	161.9	178.5	158.1	143.8
27.5°	94.9	104.7	120.5	101.7	91.1
30°	58.7	65.5	78.3	64.0	54.2
32.5°	33.9	40.7	51.2	38.4	32.4
35°	18.1	23.3	33.9	22.6	16.6
37.5°	10.5	13.6	21.8	12.0	9.8
40°	6.0	8.3	12.8	7.5	6.0
42.5°	3.8	5.3	6.0	4.5	3.0
45°	2.3	3.0	3.8	3.0	2.3
47.5°	1.5	2.3	3.0	1.5	1.5
50°	1.5	1.5	2.3	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°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	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°	0.0	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)