

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: P1311107

Luminaire Tested: P3SQAS09R159050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311107
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: P3SQAS09R159050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

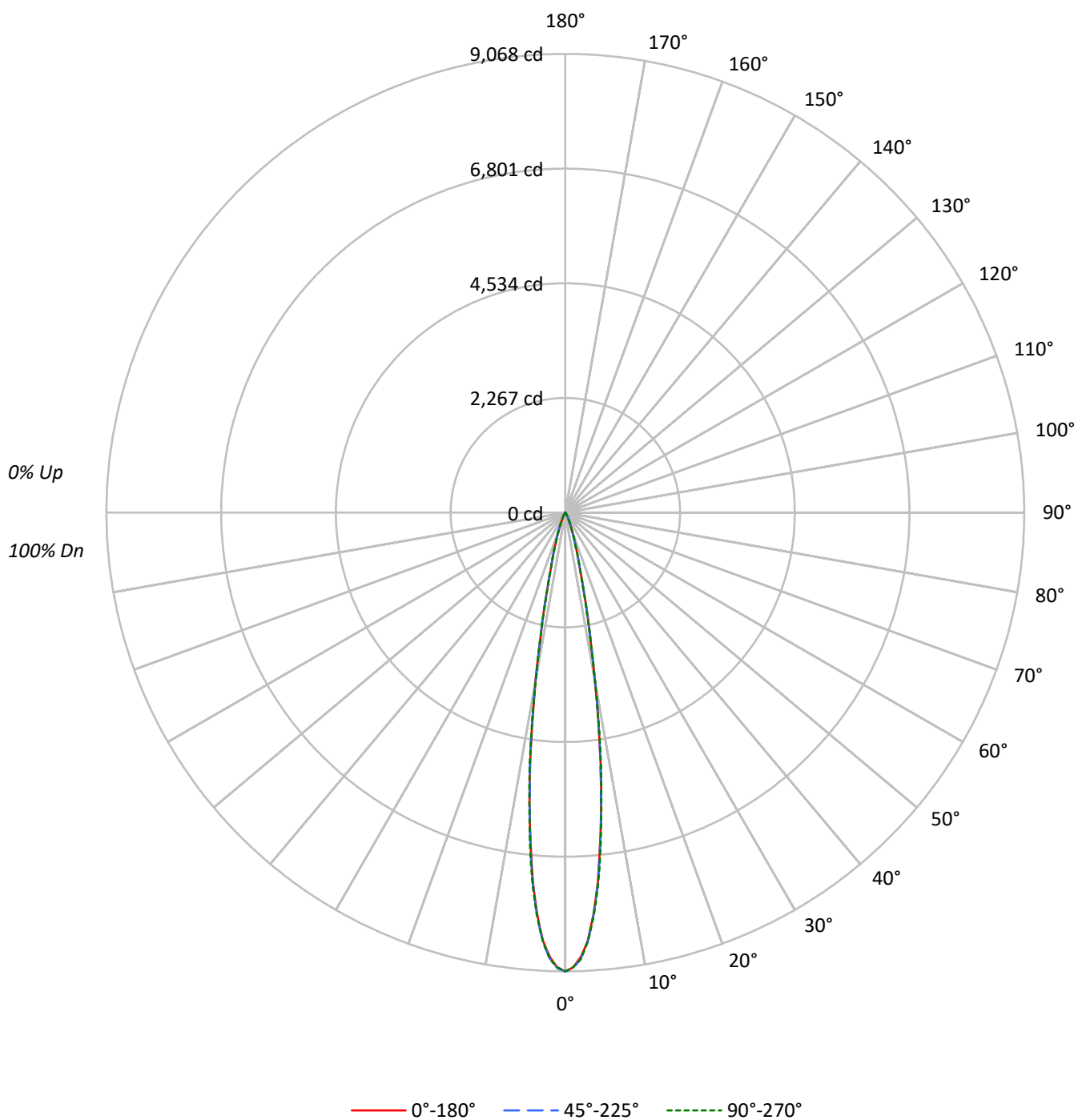
Lumens per Lamp: N/A
Luminaire Lumens: 1018.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	87		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°	1561732	1561732	1561732
5°	1269911	1274337	1278745
10°	591425	591967	588767
15°	182987	189549	185983
20°	72962	77049	72082
25°	30537	35991	29017
30°	12389	16526	11435
35°	4037	7569	3700
40°	1439	3058	1439
45°	585	974	585
50°	429	643	429
55°	480	480	480
60°	551	551	551
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: 974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.6	55.8
10°-20°	339.4	33.3
20°-30°	86.4	8.5
30°-40°	18.8	1.8
40°-50°	3.0	0.3
50°-60°	1.5	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°	993.3	97.6
0°-40°	1012.1	99.4
0°-60°	1016.6	99.9
0°-90°	1018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9068	9068	9068	9068	9068	
5°	7346	7356	7371	7338	7397	566
15°	1026	1055	1063	1048	1043	338
25°	161	172	189	168	153	82
35°	19	25	36	24	18	15
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°	9068.1	9068.1	9068.1	9068.1	9068.1
1°	8989.0	9004.1	9006.5	9004.1	8991.4
2°	8786.7	8831.5	8821.9	8802.7	8829.9
3°	8474.2	8496.6	8493.4	8495.0	8488.6
4°	7965.9	8005.0	7982.6	7999.4	8001.0
5°	7345.6	7356.0	7371.2	7337.6	7396.7
6°	6582.3	6648.6	6590.3	6647.8	6671.0
7°	5806.1	5844.5	5770.2	5810.1	5834.1
8°	5012.4	4945.3	4986.1	4986.9	5066.0
9°	4155.6	4169.2	4203.5	4164.4	4198.7
10°	3381.9	3413.0	3385.0	3371.5	3366.7
11°	2670.5	2705.6	2703.2	2707.2	2680.9
12°	2148.5	2130.1	2142.1	2103.0	2120.6
13°	1672.1	1672.9	1663.3	1647.4	1633.0
14°	1310.1	1302.1	1324.4	1304.5	1286.1
15°	1026.3	1055.1	1063.1	1047.9	1043.1
17.5°	633.0	633.8	645.0	630.6	629.1
20°	398.1	407.6	420.4	405.2	393.3
22.5°	251.8	260.6	280.6	261.4	244.6
25°	160.7	171.9	189.4	167.9	152.7
27.5°	100.7	111.1	127.9	107.9	96.7
30°	62.3	69.5	83.1	67.9	57.5
32.5°	36.0	43.2	54.4	40.8	34.4
35°	19.2	24.8	36.0	24.0	17.6
37.5°	11.2	14.4	23.2	12.8	10.4
40°	6.4	8.8	13.6	8.0	6.4
42.5°	4.0	5.6	6.4	4.8	3.2
45°	2.4	3.2	4.0	3.2	2.4
47.5°	1.6	2.4	3.2	1.6	1.6
50°	1.6	1.6	2.4	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
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)