

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: P1311158

Luminaire Tested: P3SQAS09R309050DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309050DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

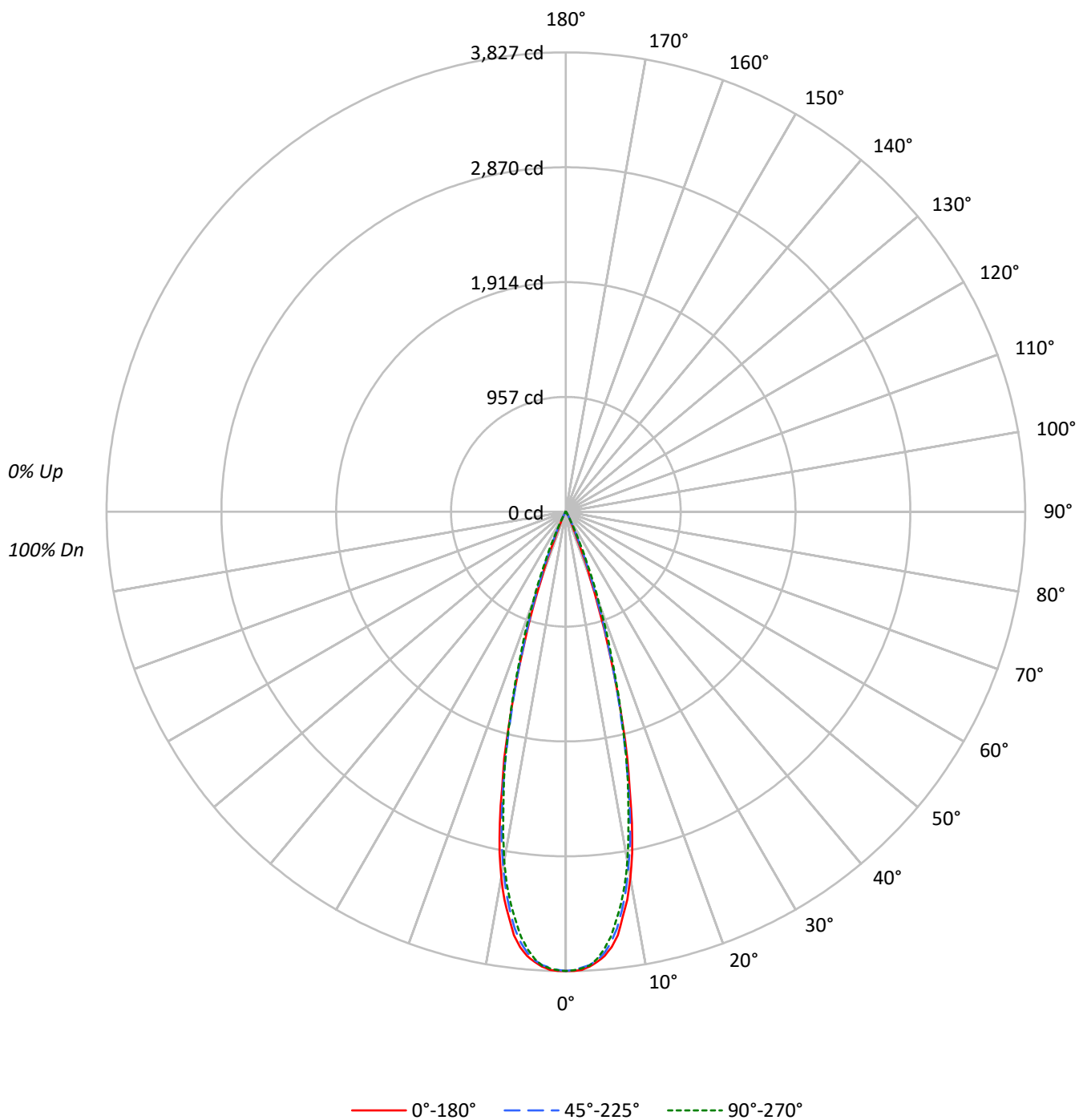
Lumens per Lamp: N/A
Luminaire Lumens: 927.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	658889	658889	658889
5°	641923	637497	632241
10°	541724	525093	516559
15°	326464	317335	323183
20°	110735	127871	147500
25°	20352	31886	37663
30°	7000	7796	8750
35°	2018	2523	2691
40°	540	899	719
45°	195	195	195
50°	214	0	214
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: 0°

Vertical Angle: 52.5°

Luminance: 226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.8	35.7
10°-20°	483.5	52.2
20°-30°	102.3	11.0
30°-40°	9.4	1.0
40°-50°	0.9	0.1
50°-60°	0.1	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°	916.6	98.9
0°-40°	926.0	99.9
0°-60°	927.0	100.0
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3826	3826	3826	3826	3826	
5°	3713	3706	3688	3676	3657	335
15°	1831	1825	1780	1821	1813	483
25°	107	120	168	197	198	78
35°	10	12	12	14	13	8
45°	1	1	1	1	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°	3825.8	3825.8	3825.8	3825.8	3825.8
1°	3826.6	3822.6	3817.0	3825.0	3819.4
2°	3818.6	3809.0	3801.0	3809.0	3806.6
3°	3794.6	3786.6	3781.0	3785.0	3785.0
4°	3758.6	3749.8	3745.0	3745.8	3733.9
5°	3713.1	3705.9	3687.5	3676.3	3657.1
6°	3645.9	3628.4	3606.0	3587.6	3562.8
7°	3554.8	3527.7	3495.7	3463.7	3432.6
8°	3408.6	3395.8	3352.6	3331.1	3299.9
9°	3271.1	3240.0	3193.6	3158.4	3141.7
10°	3097.7	3051.3	3002.6	2974.6	2953.8
11°	2892.3	2845.1	2806.0	2765.2	2733.3
12°	2650.9	2611.0	2566.2	2539.1	2501.5
13°	2364.8	2359.2	2308.9	2300.1	2295.3
14°	2119.5	2097.1	2047.5	2061.1	2064.3
15°	1831.0	1824.6	1779.8	1821.4	1812.6
17.5°	1146.9	1149.2	1177.2	1242.8	1263.5
20°	604.2	622.6	697.7	776.8	804.8
22.5°	244.6	285.3	362.0	415.6	451.5
25°	107.1	119.9	167.8	197.4	198.2
27.5°	60.7	61.5	80.7	83.9	85.5
30°	35.2	36.0	39.2	41.6	44.0
32.5°	19.2	20.8	21.6	24.8	24.8
35°	9.6	12.0	12.0	14.4	12.8
37.5°	5.6	6.4	7.2	7.2	6.4
40°	2.4	3.2	4.0	4.0	3.2
42.5°	0.8	1.6	1.6	1.6	2.4
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)