

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: P1307859

Luminaire Tested: P3SQAS09R359030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

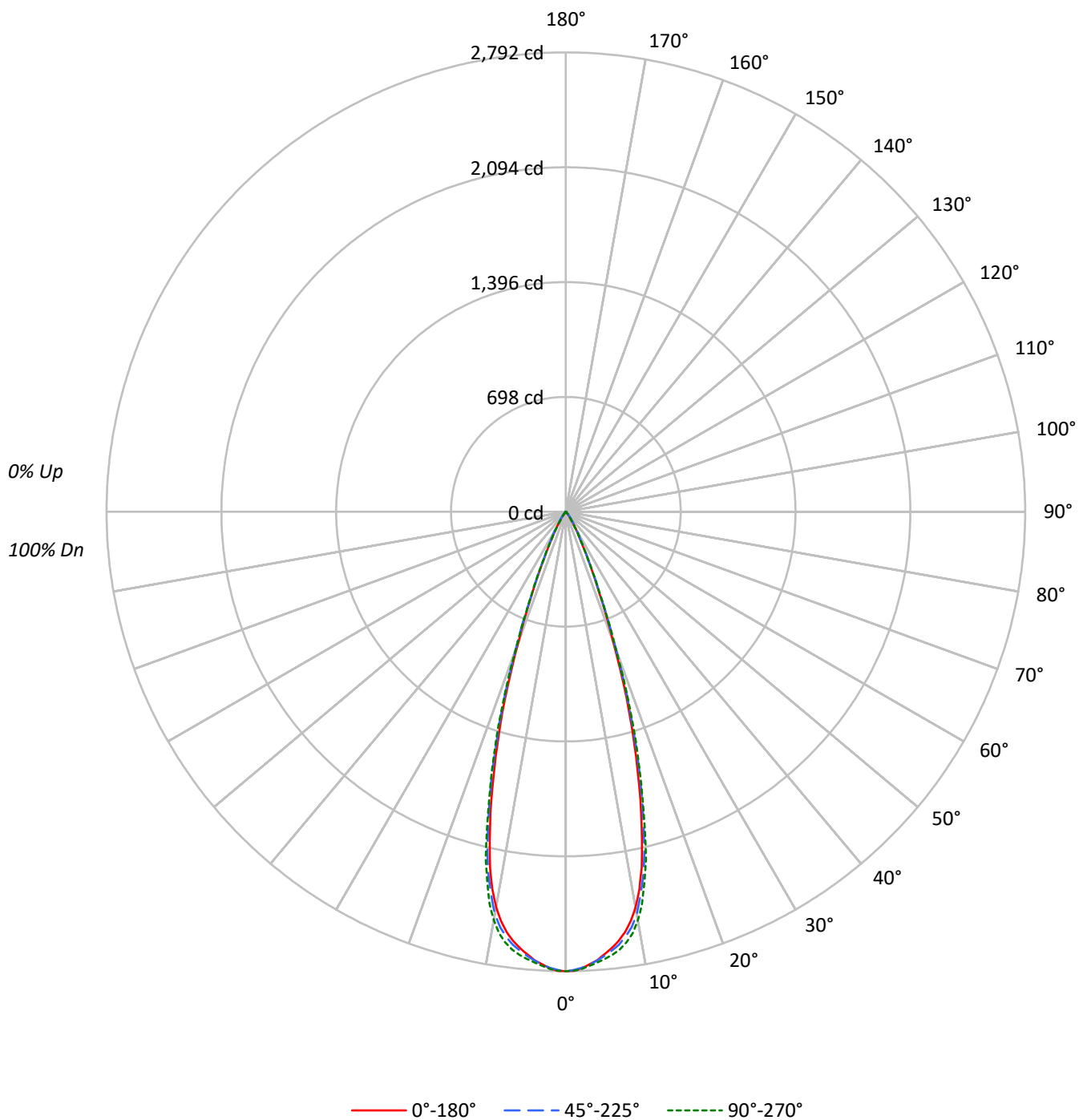
Lumens per Lamp: N/A
Luminaire Lumens: 938.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	480915	480915	480915
5°	466691	468333	471497
10°	426898	434331	440976
15°	306423	317656	320919
20°	154135	163134	163537
25°	58414	60219	60504
30°	23725	27225	23287
35°	8620	13077	8305
40°	3620	5598	3462
45°	901	2314	901
50°	589	991	589
55°	661	661	661
60°	758	758	758
65°	611	611	611
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2314 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	26.9
10°-20°	470.4	50.1
20°-30°	169.2	18.0
30°-40°	35.5	3.8
40°-50°	6.1	0.7
50°-60°	2.0	0.2
60°-70°	1.5	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	892.0	95.1
0°-40°	927.5	98.9
0°-60°	935.7	99.8
0°-90°	938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2792	2792	2792	2792	2792	
5°	2700	2705	2709	2727	2727	250
15°	1719	1749	1782	1801	1800	457
25°	307	312	317	320	318	163
35°	41	48	62	48	40	31
45°	4	6	10	6	4	4
55°	2	2	2	2	2	2
65°	2	2	2	2	2	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°	2792.4	2792.4	2792.4	2792.4	2792.4
1°	2791.0	2791.0	2785.1	2791.7	2789.5
2°	2775.6	2777.1	2773.4	2781.5	2780.7
3°	2754.4	2758.0	2755.1	2766.8	2763.2
4°	2731.7	2734.6	2733.1	2747.8	2746.3
5°	2699.5	2704.6	2709.0	2727.3	2727.3
6°	2666.5	2671.7	2681.2	2700.9	2707.5
7°	2628.5	2635.1	2650.4	2676.8	2681.2
8°	2580.2	2587.5	2608.7	2637.3	2643.1
9°	2520.1	2531.1	2555.3	2589.7	2593.3
10°	2441.1	2449.9	2483.6	2512.1	2521.6
11°	2338.6	2345.9	2376.0	2422.1	2427.9
12°	2214.2	2223.0	2261.8	2291.8	2297.6
13°	2056.8	2073.7	2120.5	2149.8	2165.9
14°	1895.1	1917.7	1951.4	1993.1	1982.9
15°	1718.6	1748.7	1781.6	1800.6	1799.9
17.5°	1286.1	1303.6	1332.9	1343.9	1358.5
20°	841.0	863.7	890.1	900.3	892.3
22.5°	521.9	527.7	535.8	540.2	538.7
25°	307.4	311.8	316.9	319.9	318.4
27.5°	185.2	195.4	202.8	194.0	188.8
30°	119.3	123.7	136.9	125.2	117.1
32.5°	71.0	81.2	92.2	78.3	68.1
35°	41.0	48.3	62.2	47.6	39.5
37.5°	26.4	30.0	40.3	29.3	25.6
40°	16.1	20.5	24.9	19.0	15.4
42.5°	8.1	12.4	14.6	11.0	8.1
45°	3.7	5.9	9.5	5.9	3.7
47.5°	2.2	2.9	5.9	2.9	2.2
50°	2.2	2.2	3.7	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
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°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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)