

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: P1311110

Luminaire Tested: P3SQAS09R159050DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R159050DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

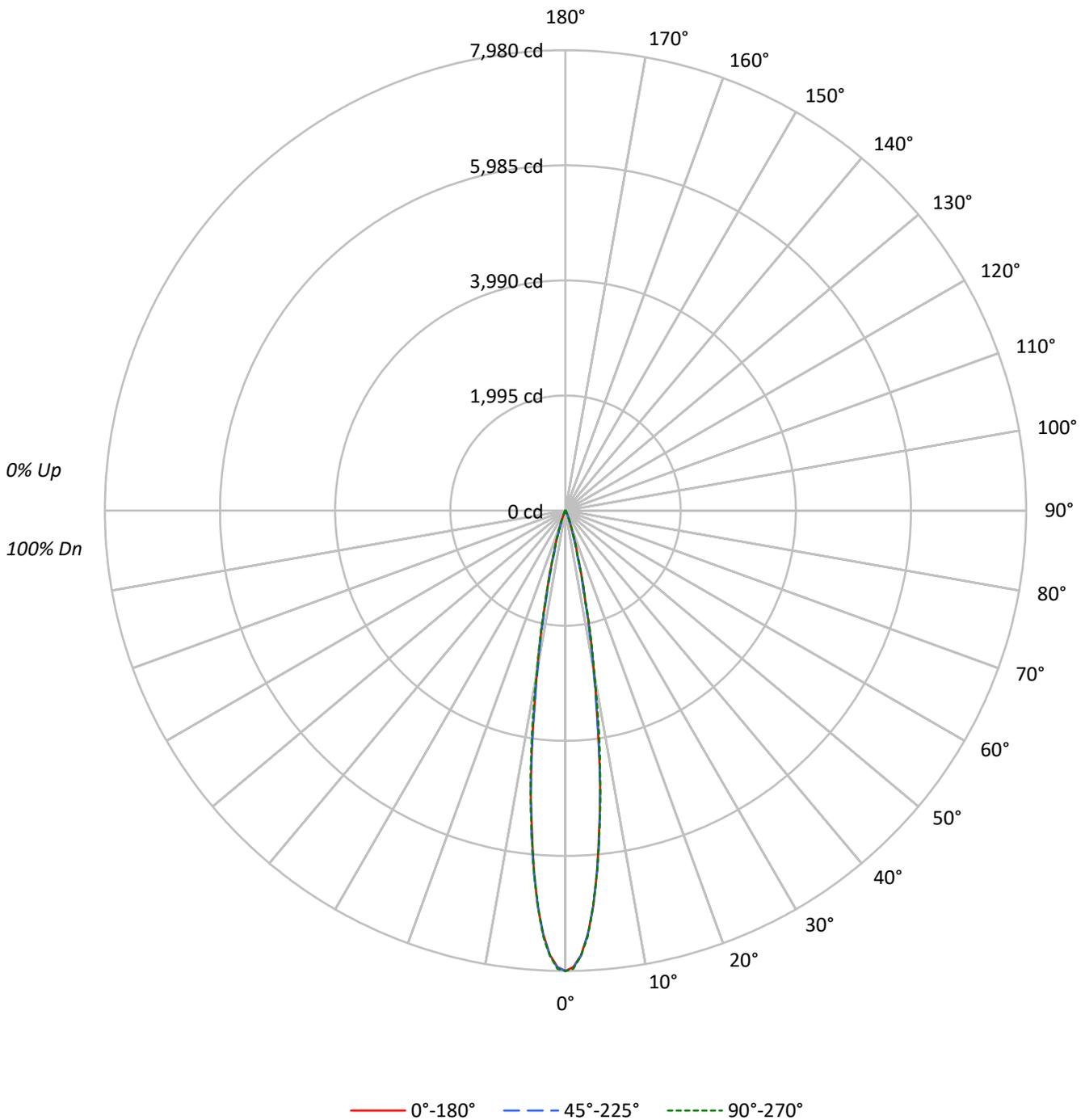
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 799.0 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (A<sub>in</sub>): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1374268	1374268	1374268
5°	1084030	1086917	1083062
10°	495941	482947	506433
15°	147452	131637	144475
20°	43785	42465	45984
25°	12447	16095	14423
30°	4455	4773	4295
35°	1682	1514	1514
40°	719	360	540
45°	390	195	390
50°	214	0	214
55°	240	0	240
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: 47.5°  
 Luminance: 408 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.1	60.3
10°-20°	267.7	33.5
20°-30°	42.6	5.3
30°-40°	5.6	0.7
40°-50°	0.8	0.1
50°-60°	0.2	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°	792.4	99.2
0°-40°	798.0	99.9
0°-60°	799.0	100.0
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7980	7980	7980	7980	7980	
5°	6270	6323	6287	6261	6265	481
15°	827	816	738	784	810	273
25°	66	74	85	84	76	40
35°	8	8	7	8	7	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6
1°	7910.9	7919.7	7930.8	7920.4	7910.9	7919.7	7907.7	7909.3	7899.7	7920.4	7943.6
2°	7709.5	7720.7	7714.3	7699.9	7722.3	7723.9	7699.1	7687.1	7685.5	7706.3	7714.3
3°	7353.1	7378.7	7379.5	7374.7	7367.5	7353.1	7327.5	7344.3	7321.1	7306.8	7388.3
4°	6879.3	6901.6	6928.0	6910.4	6857.7	6862.5	6879.3	6822.5	6825.7	6858.5	6860.9
5°	6270.4	6338.3	6341.5	6316.7	6275.2	6287.1	6275.2	6259.2	6264.8	6285.5	6264.8
6°	5553.6	5630.3	5573.6	5627.9	5615.9	5631.1	5635.1	5618.3	5630.3	5617.5	5613.5
7°	4934.3	4876.0	4884.0	4861.6	4885.6	4901.5	4911.1	4882.4	4905.5	4942.3	4952.7
8°	4166.4	4149.6	4132.8	4172.8	4161.6	4180.8	4192.8	4224.7	4223.1	4234.3	4271.1
9°	3435.2	3460.0	3475.2	3440.0	3470.4	3411.3	3432.0	3517.5	3495.2	3517.5	3583.1
10°	2835.9	2855.9	2833.5	2832.7	2800.8	2761.6	2759.2	2791.2	2858.3	2911.0	2895.9
12.5°	1564.6	1582.2	1584.6	1583.0	1525.4	1460.7	1472.7	1498.3	1539.8	1557.4	1586.2
15°	827.0	826.2	835.0	810.3	779.9	738.3	741.5	776.7	807.9	815.9	810.3
17.5°	424.3	425.9	432.3	425.9	393.9	397.9	406.7	410.7	429.1	436.3	432.3
20°	238.9	239.7	238.9	241.3	228.5	231.7	242.9	243.7	247.7	251.7	250.9
22.5°	136.6	137.4	142.2	140.6	137.4	141.4	143.8	147.8	149.4	147.8	152.6
25°	65.5	66.3	66.3	75.9	80.7	84.7	86.3	84.7	83.1	76.7	75.9
27.5°	37.6	37.6	39.2	40.0	41.6	48.7	47.9	40.0	33.6	33.6	34.4
30°	22.4	21.6	21.6	22.4	23.2	24.0	22.4	21.6	21.6	22.4	21.6
32.5°	13.6	13.6	13.6	12.8	12.8	12.0	12.0	13.6	13.6	13.6	13.6
35°	8.0	8.0	8.0	8.0	7.2	7.2	7.2	8.0	8.0	7.2	7.2
37.5°	4.8	4.8	4.8	4.0	4.0	3.2	4.0	4.0	4.0	4.0	4.0
40°	3.2	3.2	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
42.5°	2.4	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	1.6
45°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
47.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)