

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: P1312247

Luminaire Tested: P3SQAS09R209727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

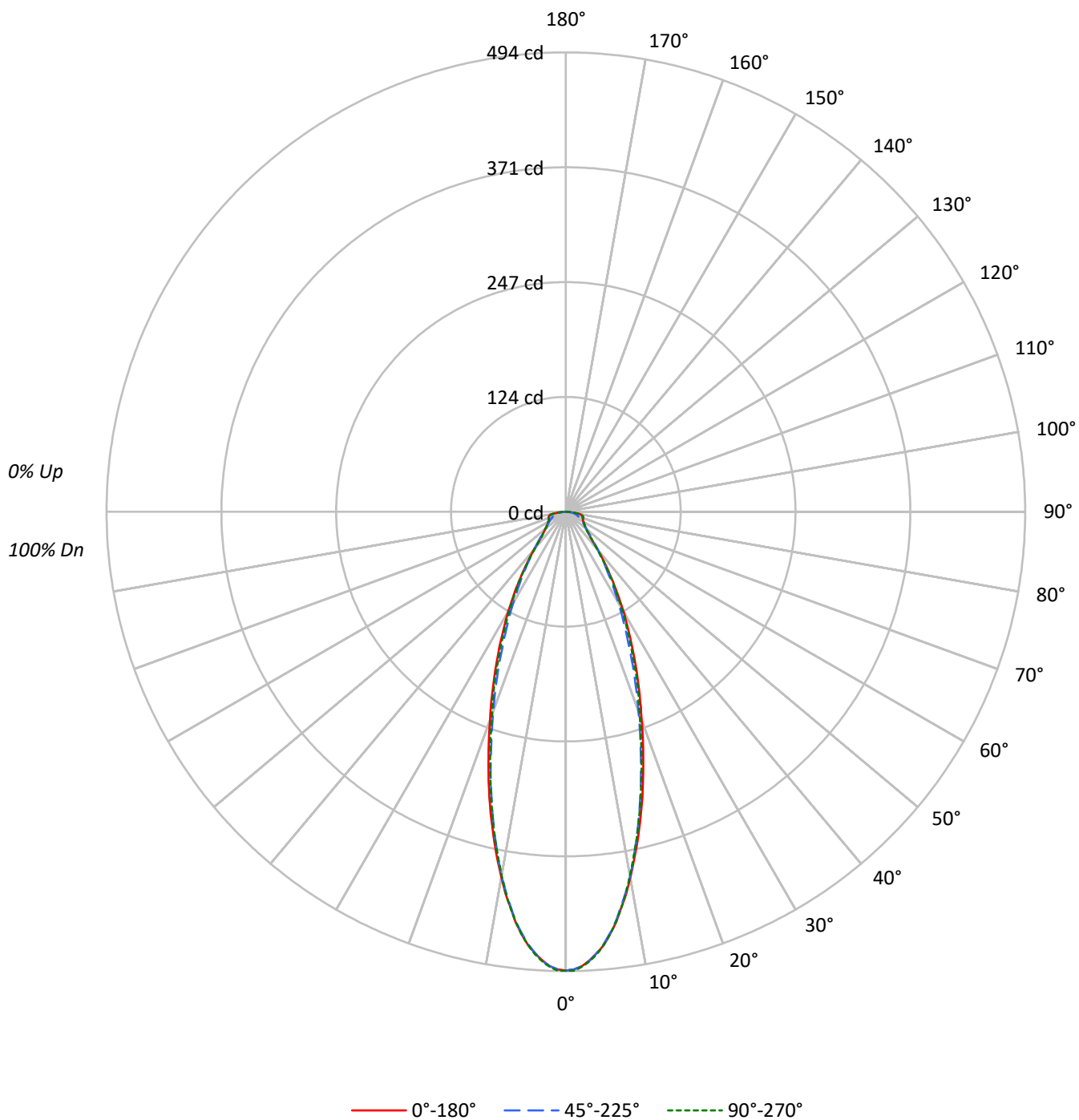
Lumens per Lamp: N/A
Luminaire Lumens: 348.0 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		58	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84992	84992	84992
5°	80856	80649	80856
10°	69812	69602	69480
15°	56663	55344	55558
20°	43656	41750	42520
25°	33160	30708	32229
30°	24600	22412	23864
35°	17387	16210	17114
40°	11983	11983	11691
45°	8793	9255	8793
50°	7716	7716	7716
55°	7356	7176	7356
60°	7578	6958	7578
65°	8232	6968	8232
70°	9869	7100	9869
75°	12643	7719	12643
80°	15769	7934	15174
85°	12054	7311	13239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	12.2
10°-20°	86.4	24.8
20°-30°	77.2	22.2
30°-40°	50.6	14.6
40°-50°	29.4	8.5
50°-60°	21.9	6.3
60°-70°	18.5	5.3
70°-80°	15.3	4.4
80°-90°	6.3	1.8
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°	206.0	59.2
0°-40°	256.6	73.7
0°-60°	307.9	88.5
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	468	467	466	467	468	42
15°	318	315	310	311	312	88
25°	174	170	162	166	170	80
35°	83	80	77	80	81	53
45°	36	37	38	37	36	29
55°	24	24	24	24	24	22
65°	20	18	17	18	20	20
75°	19	14	12	14	19	19
85°	6	7	4	7	7	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	493.5	493.5	493.5	493.5	493.5
1°	492.2	492.8	492.2	492.8	493.5
2°	489.2	489.8	489.2	489.2	489.8
3°	483.1	483.7	483.7	483.7	484.3
4°	475.7	476.3	475.7	476.3	476.9
5°	467.7	467.1	466.5	467.1	467.7
6°	456.7	456.1	455.5	456.1	456.7
7°	444.5	443.9	443.3	443.3	443.9
8°	429.2	429.8	428.0	429.2	429.8
9°	415.7	414.5	413.3	413.3	414.5
10°	399.2	398.0	398.0	397.3	397.3
12.5°	358.8	356.3	354.5	354.5	355.1
15°	317.8	314.7	310.4	311.0	311.6
17.5°	276.7	273.1	267.5	268.8	270.0
20°	238.2	234.5	227.8	230.2	232.0
22.5°	205.1	199.6	193.5	195.3	201.4
25°	174.5	169.6	161.6	165.9	169.6
27.5°	147.5	142.0	135.3	139.6	143.3
30°	123.7	118.8	112.7	116.3	120.0
32.5°	102.2	98.0	93.7	96.1	99.2
35°	82.7	80.2	77.1	79.6	81.4
37.5°	66.7	65.5	64.3	65.5	64.9
40°	53.3	53.9	53.3	53.3	52.0
42.5°	42.2	44.1	44.7	43.5	42.2
45°	36.1	36.7	38.0	36.7	36.1
47.5°	31.8	31.8	32.4	31.8	31.2
50°	28.8	28.8	28.8	28.8	28.8
52.5°	26.3	26.3	25.7	26.3	26.3
55°	24.5	23.9	23.9	23.9	24.5
57.5°	23.3	22.7	22.0	22.7	23.3
60°	22.0	20.8	20.2	20.8	22.0
62.5°	20.8	19.6	19.0	19.6	20.8
65°	20.2	18.4	17.1	18.4	20.2
67.5°	19.6	17.1	15.9	17.1	20.2
70°	19.6	15.9	14.1	16.5	19.6
72.5°	19.0	15.3	12.9	15.3	19.0
75°	19.0	14.1	11.6	14.1	19.0
77.5°	17.8	12.9	9.8	12.9	17.8
80°	15.9	11.6	8.0	11.6	15.3
82.5°	11.6	9.8	6.1	9.8	11.6
85°	6.1	6.7	3.7	6.7	6.7
87.5°	0.6	2.4	1.2	3.7	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)