

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: P1317841

Luminaire Tested: P3SQAS09R259835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

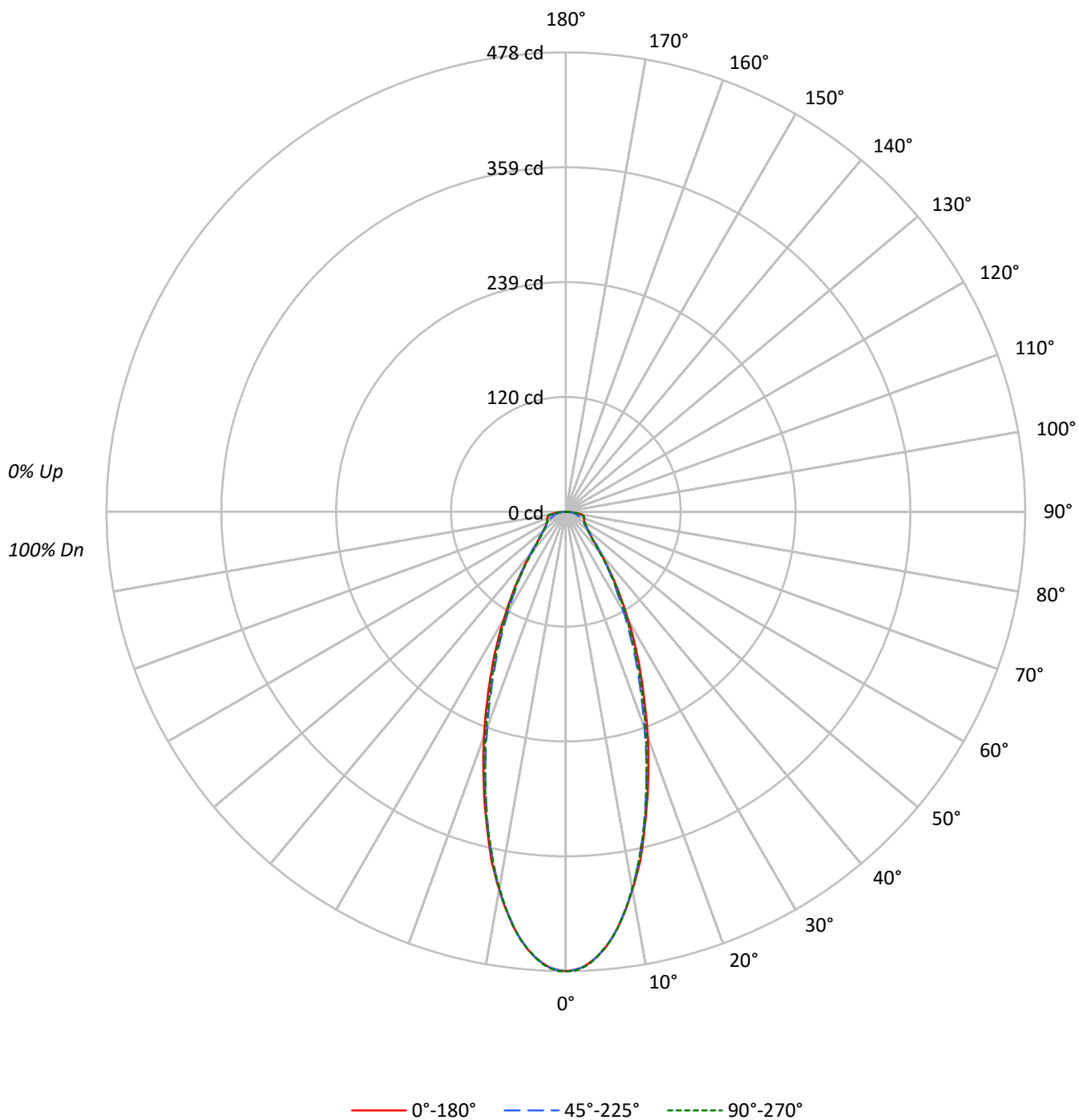
Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 32.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82322	82322	82322
5°	78989	78885	78885
10°	69829	69724	69532
15°	57662	56859	57162
20°	45691	43803	44536
25°	34794	32951	33825
30°	25634	23824	24838
35°	18354	17513	17745
40°	12567	12815	12185
45°	9304	9864	9158
50°	8092	8092	7958
55°	7717	7356	7717
60°	7853	7268	7853
65°	8599	7457	8599
70°	10323	7452	10071
75°	12909	7985	12909
80°	16365	8529	15274
85°	13437	7904	13437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	11.6
10°-20°	88.6	24.6
20°-30°	81.2	22.5
30°-40°	53.6	14.8
40°-50°	31.2	8.6
50°-60°	22.8	6.3
60°-70°	19.3	5.4
70°-80°	16.0	4.4
80°-90°	6.6	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°	211.6	58.6
0°-40°	265.1	73.4
0°-60°	319.1	88.4
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	457	456	456	457	456	42
15°	323	322	319	320	321	90
25°	183	178	173	174	178	84
35°	87	86	83	83	84	55
45°	38	39	40	38	38	31
55°	26	26	24	25	26	23
65°	21	19	18	19	21	21
75°	19	15	12	15	19	20
85°	7	7	4	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	478.0	478.0	478.0	478.0	478.0
1°	476.9	476.9	476.9	476.9	478.0
2°	474.6	474.0	474.6	474.6	475.1
3°	470.0	470.0	470.0	470.0	471.1
4°	464.3	464.3	464.3	464.3	464.3
5°	456.9	456.3	456.3	456.9	456.3
6°	447.8	447.8	447.8	447.8	448.3
7°	437.5	436.9	436.9	436.4	437.5
8°	425.5	425.5	424.9	424.4	425.5
9°	413.0	413.5	412.4	411.8	411.8
10°	399.3	398.7	398.7	398.7	397.6
11°	385.6	383.9	383.3	383.3	384.4
12°	371.9	369.0	367.9	367.9	367.9
13°	355.4	354.2	352.5	351.4	351.9
14°	338.8	338.8	336.0	336.0	337.1
15°	323.4	322.3	318.9	320.0	320.6
17.5°	285.2	282.9	278.9	278.9	279.5
20°	249.3	245.3	239.0	241.8	243.0
22.5°	213.9	209.9	203.6	206.5	207.6
25°	183.1	178.0	173.4	174.0	178.0
27.5°	155.1	149.4	144.9	146.6	148.9
30°	128.9	125.5	119.8	122.6	124.9
32.5°	106.7	103.8	99.8	101.5	103.8
35°	87.3	85.6	83.3	83.3	84.4
37.5°	70.7	70.2	69.0	68.4	67.9
40°	55.9	57.0	57.0	55.9	54.2
42.5°	45.6	46.8	47.9	45.6	43.9
45°	38.2	39.4	40.5	38.2	37.6
47.5°	33.7	34.2	34.8	33.7	33.1
50°	30.2	30.2	30.2	29.7	29.7
52.5°	27.9	27.4	26.8	27.4	27.4
55°	25.7	25.7	24.5	25.1	25.7
57.5°	24.0	23.4	22.8	23.4	24.0
60°	22.8	21.7	21.1	21.7	22.8
62.5°	21.7	20.5	19.4	20.5	21.7
65°	21.1	19.4	18.3	19.4	21.1
67.5°	20.5	18.3	16.5	18.3	20.5
70°	20.5	17.1	14.8	17.1	20.0
72.5°	20.0	16.0	13.7	16.0	20.0
75°	19.4	14.8	12.0	14.8	19.4
77.5°	18.8	13.7	10.3	13.7	18.3
80°	16.5	12.5	8.6	12.5	15.4
82.5°	12.0	10.3	6.8	10.3	11.4
85°	6.8	7.4	4.0	7.4	6.8
87.5°	1.1	1.7	1.1	2.9	2.3



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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)