

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: P1316235

Luminaire Tested: P3SQAS13R259827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316235
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: P3SQAS13R259827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

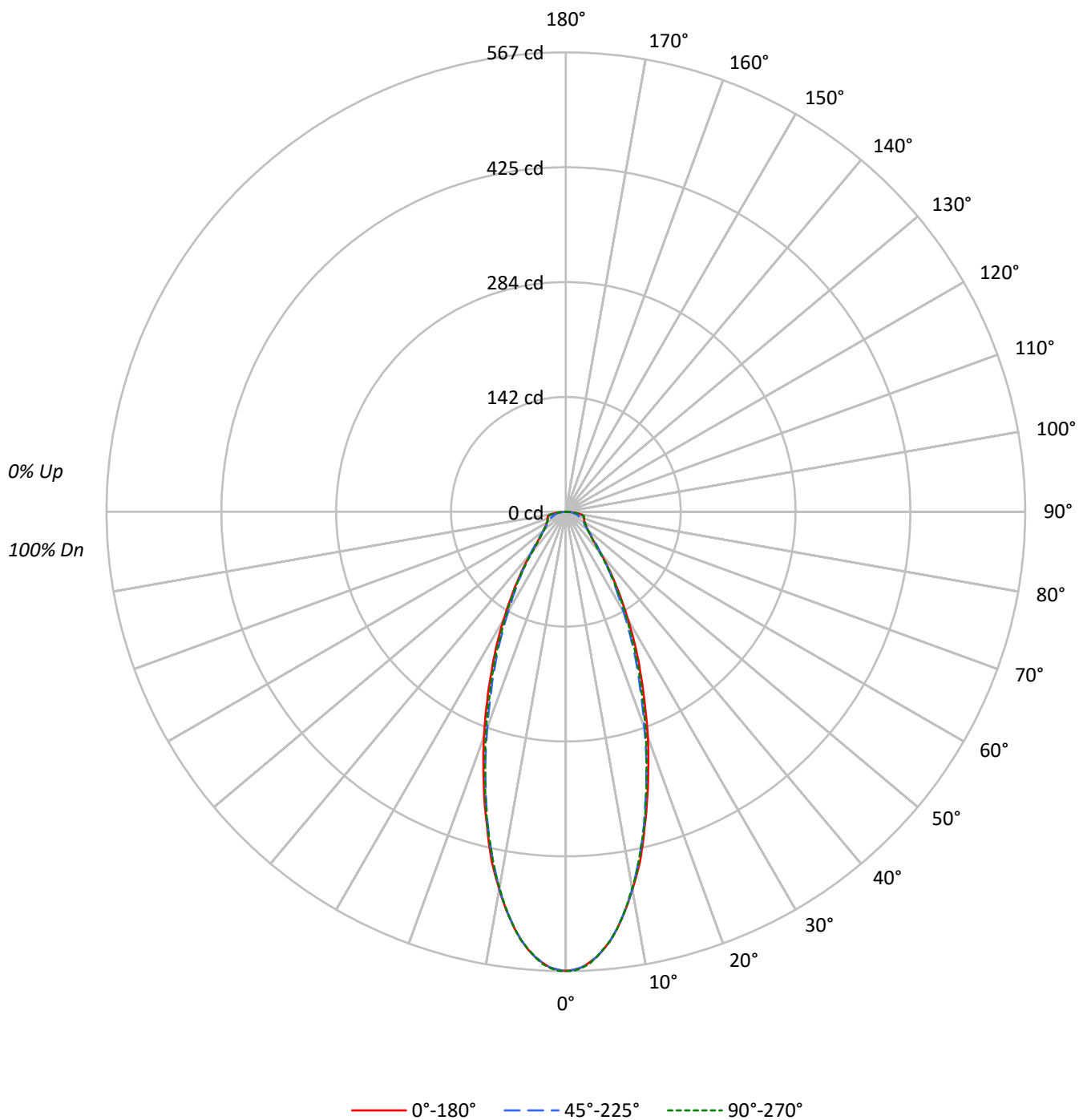
Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	97599	97599	97599
5°	93649	93528	93528
10°	82788	82666	82438
15°	68359	67397	67771
20°	54158	51940	52802
25°	41255	39069	40096
30°	30387	28239	29452
35°	21760	20751	21046
40°	14906	15198	14433
45°	11033	11691	10863
50°	9592	9592	9431
55°	9128	8738	9128
60°	9334	8611	9334
65°	10188	8802	10188
70°	12236	8862	11934
75°	15305	9449	15305
80°	19439	10017	18150
85°	16006	9287	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 19439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	11.6
10°-20°	105.1	24.6
20°-30°	96.3	22.5
30°-40°	63.5	14.8
40°-50°	37.0	8.6
50°-60°	27.0	6.3
60°-70°	22.9	5.4
70°-80°	19.0	4.4
80°-90°	7.8	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°	250.8	58.6
0°-40°	314.3	73.4
0°-60°	378.3	88.4
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	567	567	567	567	567	
5°	542	541	541	542	541	49
15°	383	382	378	379	380	106
25°	217	211	206	206	211	100
35°	104	101	99	99	100	65
45°	45	47	48	45	45	37
55°	30	30	29	30	30	28
65°	25	23	22	23	25	25
75°	23	18	14	18	23	24
85°	8	9	5	9	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	566.7	566.7	566.7	566.7	566.7
1°	565.4	565.4	565.4	565.4	566.7
2°	562.6	562.0	562.6	562.6	563.3
3°	557.2	557.2	557.2	557.2	558.6
4°	550.5	550.5	550.5	550.5	550.5
5°	541.7	541.0	541.0	541.7	541.0
6°	530.9	530.9	530.9	530.9	531.5
7°	518.7	518.0	518.0	517.3	518.7
8°	504.5	504.5	503.8	503.1	504.5
9°	489.6	490.3	488.9	488.3	488.3
10°	473.4	472.7	472.7	472.7	471.4
11°	457.2	455.1	454.4	454.4	455.8
12°	440.9	437.5	436.2	436.2	436.2
13°	421.3	420.0	417.9	416.6	417.3
14°	401.7	401.7	398.3	398.3	399.7
15°	383.4	382.1	378.0	379.4	380.1
17.5°	338.1	335.4	330.7	330.7	331.4
20°	295.5	290.8	283.4	286.7	288.1
22.5°	253.6	248.9	241.4	244.8	246.2
25°	217.1	211.0	205.6	206.3	211.0
27.5°	183.9	177.2	171.8	173.8	176.5
30°	152.8	148.8	142.0	145.4	148.1
32.5°	126.5	123.1	118.3	120.4	123.1
35°	103.5	101.4	98.7	98.7	100.1
37.5°	83.9	83.2	81.8	81.2	80.5
40°	66.3	67.6	67.6	66.3	64.2
42.5°	54.1	55.5	56.8	54.1	52.1
45°	45.3	46.7	48.0	45.3	44.6
47.5°	39.9	40.6	41.3	39.9	39.2
50°	35.8	35.8	35.8	35.2	35.2
52.5°	33.1	32.5	31.8	32.5	32.5
55°	30.4	30.4	29.1	29.8	30.4
57.5°	28.4	27.7	27.1	27.7	28.4
60°	27.1	25.7	25.0	25.7	27.1
62.5°	25.7	24.3	23.0	24.3	25.7
65°	25.0	23.0	21.6	23.0	25.0
67.5°	24.3	21.6	19.6	21.6	24.3
70°	24.3	20.3	17.6	20.3	23.7
72.5°	23.7	18.9	16.2	18.9	23.7
75°	23.0	17.6	14.2	17.6	23.0
77.5°	22.3	16.2	12.2	16.2	21.6
80°	19.6	14.9	10.1	14.9	18.3
82.5°	14.2	12.2	8.1	12.2	13.5
85°	8.1	8.8	4.7	8.8	8.1
87.5°	1.4	2.0	1.4	3.4	2.7



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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)