

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: P1313236

Luminaire Tested: P3SQAS09R259730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313236
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: P3SQAS09R259730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

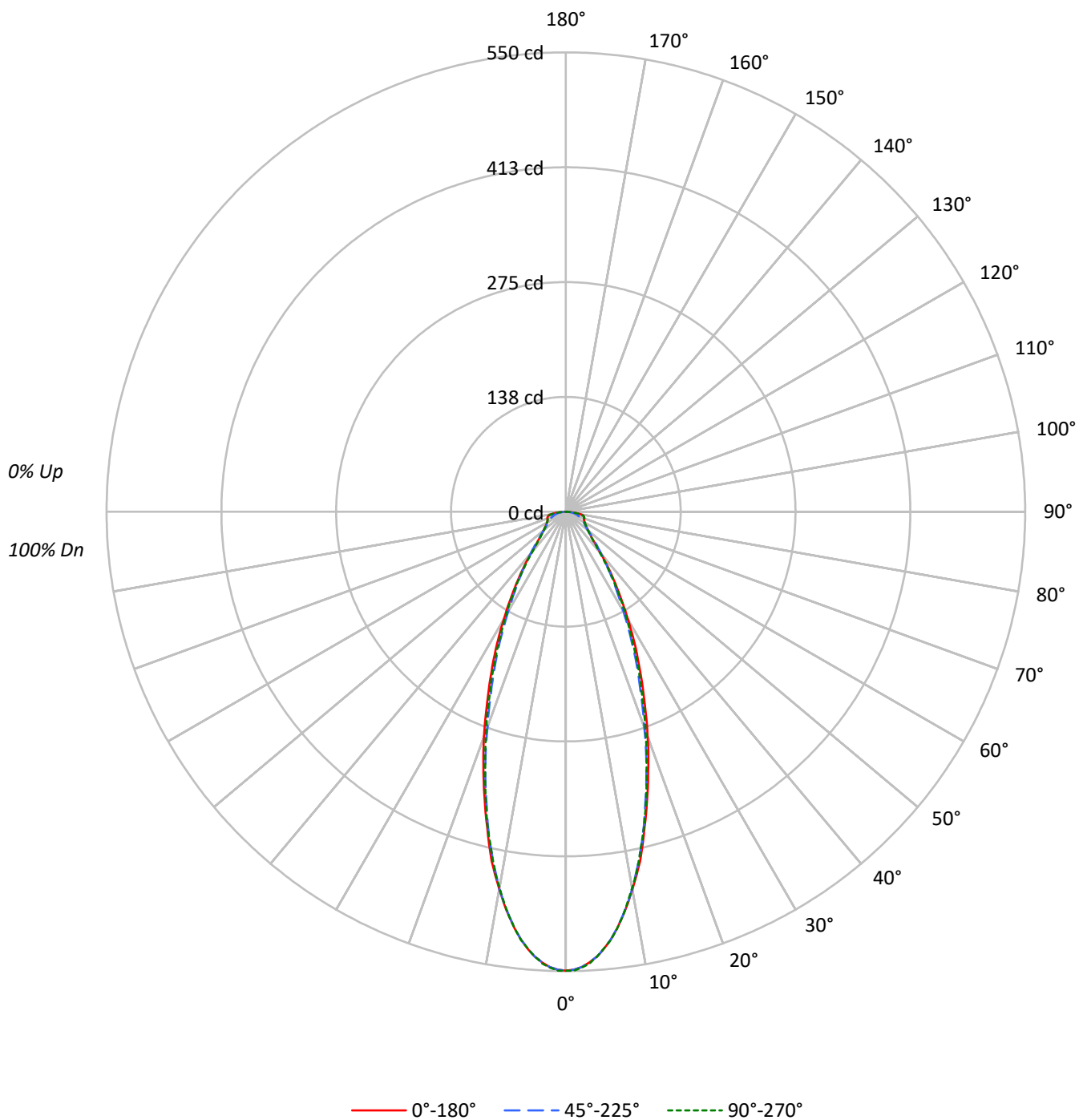
Lumens per Lamp: N/A
Luminaire Lumens: 415.0 lumens
Efficiency: N/A
Efficacy: 37.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	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°	94636	94636	94636
5°	90797	90693	90693
10°	80270	80147	79920
15°	66291	65346	65703
20°	52508	50346	51189
25°	40001	37872	38879
30°	29472	27384	28557
35°	21088	20120	20394
40°	14456	14748	14006
45°	10692	11350	10546
50°	9324	9324	9136
55°	8858	8467	8858
60°	9024	8370	9024
65°	9903	8558	9903
70°	11884	8560	11582
75°	14839	9183	14839
80°	18844	9720	17555
85°	15611	9090	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	11.6
10°-20°	101.9	24.5
20°-30°	93.4	22.5
30°-40°	61.6	14.8
40°-50°	35.8	8.6
50°-60°	26.2	6.3
60°-70°	22.2	5.4
70°-80°	18.4	4.4
80°-90°	7.6	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°	243.2	58.6
0°-40°	304.8	73.4
0°-60°	366.8	88.4
0°-90°	415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	525	525	525	525	525	48
15°	372	370	366	368	368	103
25°	210	205	199	200	205	97
35°	100	98	96	96	97	63
45°	44	45	47	44	43	35
55°	30	30	28	29	30	27
65°	24	22	21	22	24	24
75°	22	17	14	17	22	23
85°	8	8	5	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	549.5	549.5	549.5	549.5	549.5
1°	548.2	548.2	548.2	548.2	549.5
2°	545.6	544.9	545.6	545.6	546.2
3°	540.3	540.3	540.3	540.3	541.6
4°	533.8	533.8	533.8	533.8	533.8
5°	525.2	524.6	524.6	525.2	524.6
6°	514.7	514.7	514.7	514.7	515.4
7°	502.9	502.3	502.3	501.6	502.9
8°	489.2	489.2	488.5	487.9	489.2
9°	474.7	475.4	474.1	473.4	473.4
10°	459.0	458.3	458.3	458.3	457.0
11°	443.3	441.3	440.6	440.6	442.0
12°	427.5	424.2	422.9	422.9	422.9
13°	408.5	407.2	405.2	403.9	404.6
14°	389.5	389.5	386.2	386.2	387.5
15°	371.8	370.5	366.5	367.9	368.5
17.5°	327.9	325.2	320.6	320.6	321.3
20°	286.5	282.0	274.7	278.0	279.3
22.5°	245.9	241.3	234.1	237.4	238.7
25°	210.5	204.6	199.3	200.0	204.6
27.5°	178.4	171.8	166.6	168.5	171.1
30°	148.2	144.3	137.7	141.0	143.6
32.5°	122.6	119.3	114.8	116.7	119.3
35°	100.3	98.4	95.7	95.7	97.0
37.5°	81.3	80.7	79.3	78.7	78.0
40°	64.3	65.6	65.6	64.3	62.3
42.5°	52.5	53.8	55.1	52.5	50.5
45°	43.9	45.2	46.6	43.9	43.3
47.5°	38.7	39.3	40.0	38.7	38.0
50°	34.8	34.8	34.8	34.1	34.1
52.5°	32.1	31.5	30.8	31.5	31.5
55°	29.5	29.5	28.2	28.9	29.5
57.5°	27.5	26.9	26.2	26.9	27.5
60°	26.2	24.9	24.3	24.9	26.2
62.5°	24.9	23.6	22.3	23.6	24.9
65°	24.3	22.3	21.0	22.3	24.3
67.5°	23.6	21.0	19.0	21.0	23.6
70°	23.6	19.7	17.0	19.7	23.0
72.5°	23.0	18.4	15.7	18.4	23.0
75°	22.3	17.0	13.8	17.0	22.3
77.5°	21.6	15.7	11.8	15.7	21.0
80°	19.0	14.4	9.8	14.4	17.7
82.5°	13.8	11.8	7.9	11.8	13.1
85°	7.9	8.5	4.6	8.5	7.9
87.5°	1.3	2.0	1.3	3.3	2.6



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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)