

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: P1309836

Luminaire Tested: P3SQAS02R709040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

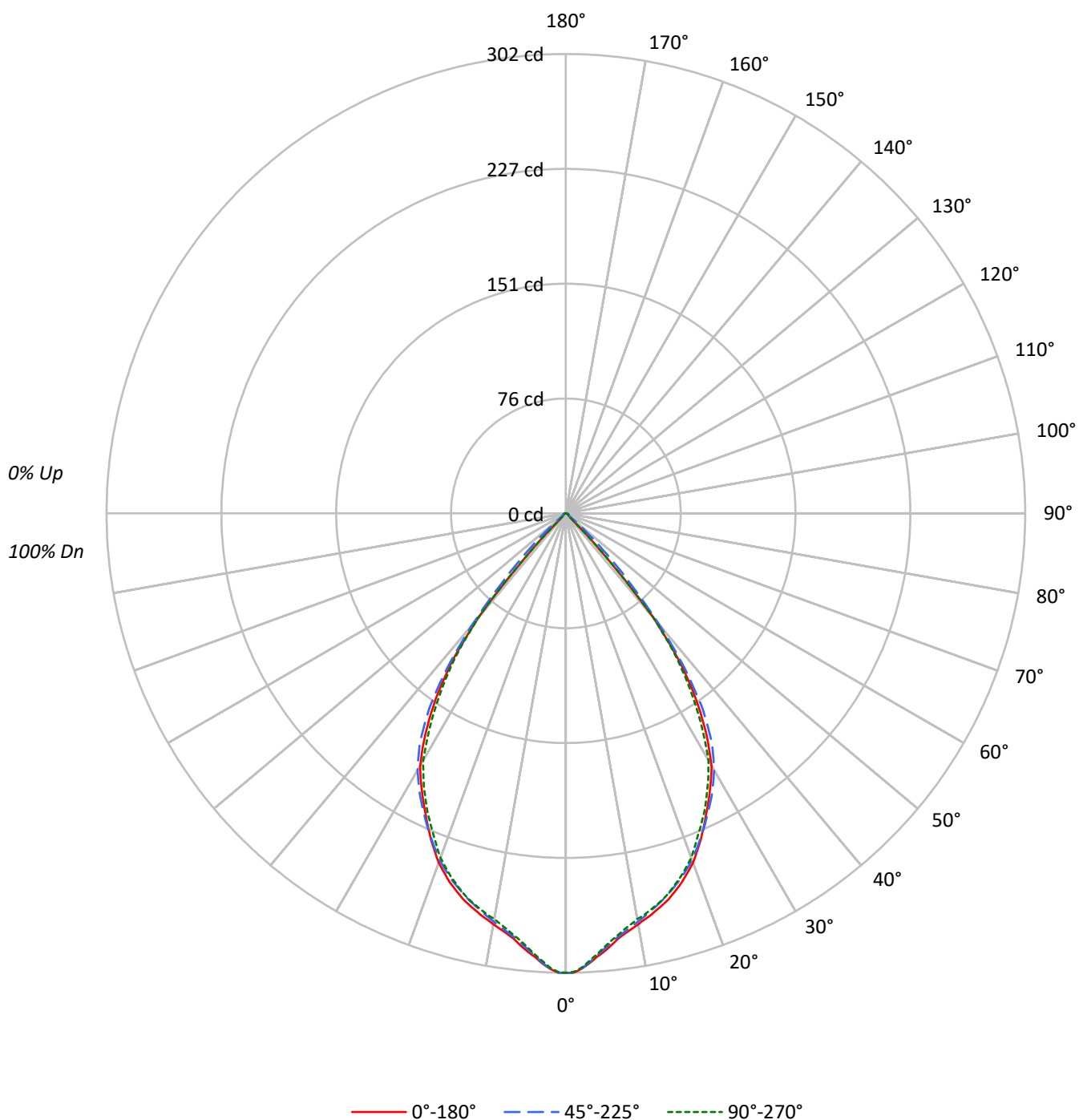
Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52011	52011	52011
5°	49997	49720	49548
10°	47969	47690	47357
15°	46750	46233	46197
20°	44793	44463	44169
25°	41464	41768	40970
30°	38103	38779	37307
35°	31411	32903	30212
40°	20009	21538	20009
45°	1413	9304	1534
50°	643	1902	643
55°	721	721	721
60°	723	723	723
65°	652	734	652
70°	655	806	655
75°	665	665	665
80°	793	793	793
85°	593	988	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	8.4
10°-20°	73.0	22.7
20°-30°	100.3	31.1
30°-40°	91.9	28.5
40°-50°	24.4	7.6
50°-60°	2.2	0.7
60°-70°	1.8	0.6
70°-80°	1.2	0.4
80°-90°	0.4	0.1
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°	200.2	62.2
0°-40°	292.0	90.7
0°-60°	318.6	98.9
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	302	302	302	302	302	
5°	289	288	288	287	287	27
15°	262	260	259	259	259	74
25°	218	219	220	217	216	100
35°	149	152	156	149	144	91
45°	6	20	38	20	6	17
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	302.0	302.0	302.0	302.0	302.0
1°	302.0	301.5	302.0	302.0	301.5
2°	299.6	299.1	299.4	299.1	298.9
3°	296.2	295.4	295.7	295.2	294.7
4°	292.3	291.5	291.5	291.3	290.7
5°	289.2	287.9	287.6	287.1	286.6
6°	285.5	284.2	283.9	283.1	282.6
7°	281.8	280.8	280.5	279.5	279.5
8°	279.0	277.7	277.7	276.3	276.3
9°	276.6	275.0	275.0	274.0	273.5
10°	274.3	272.7	272.7	271.4	270.8
11°	271.9	270.6	270.1	269.3	269.0
12°	269.8	268.0	267.4	267.2	266.7
13°	267.2	265.4	264.8	264.6	264.3
14°	264.8	262.5	262.2	261.7	262.0
15°	262.2	259.9	259.3	259.3	259.1
17.5°	254.1	252.5	251.7	251.2	250.7
20°	244.4	243.1	242.6	241.5	241.0
22.5°	231.9	231.6	231.3	230.0	227.9
25°	218.2	219.0	219.8	217.2	215.6
27.5°	205.2	207.3	208.0	205.4	202.0
30°	191.6	193.4	195.0	191.3	187.6
32.5°	171.9	176.4	178.7	174.5	166.2
35°	149.4	151.8	156.5	149.4	143.7
37.5°	123.3	124.6	128.2	123.5	119.6
40°	89.0	92.9	95.8	92.9	89.0
42.5°	40.0	56.0	63.3	59.1	41.9
45°	5.8	19.6	38.2	19.9	6.3
47.5°	2.4	3.1	19.9	2.9	2.4
50°	2.4	2.4	7.1	2.4	2.4
52.5°	2.4	2.4	2.6	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.1	2.1	2.4	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.8	2.1	2.1	2.1	1.8
65°	1.6	1.8	1.8	1.8	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.3	1.6	1.6	1.6	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.8	1.0	1.0	1.0	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.5	0.5	0.5	0.3
87.5°	0.3	0.3	0.3	0.3	0.3



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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)