

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: P1309043

Luminaire Tested: P3SQAS09R709035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309043
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: P3SQAS09R709035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

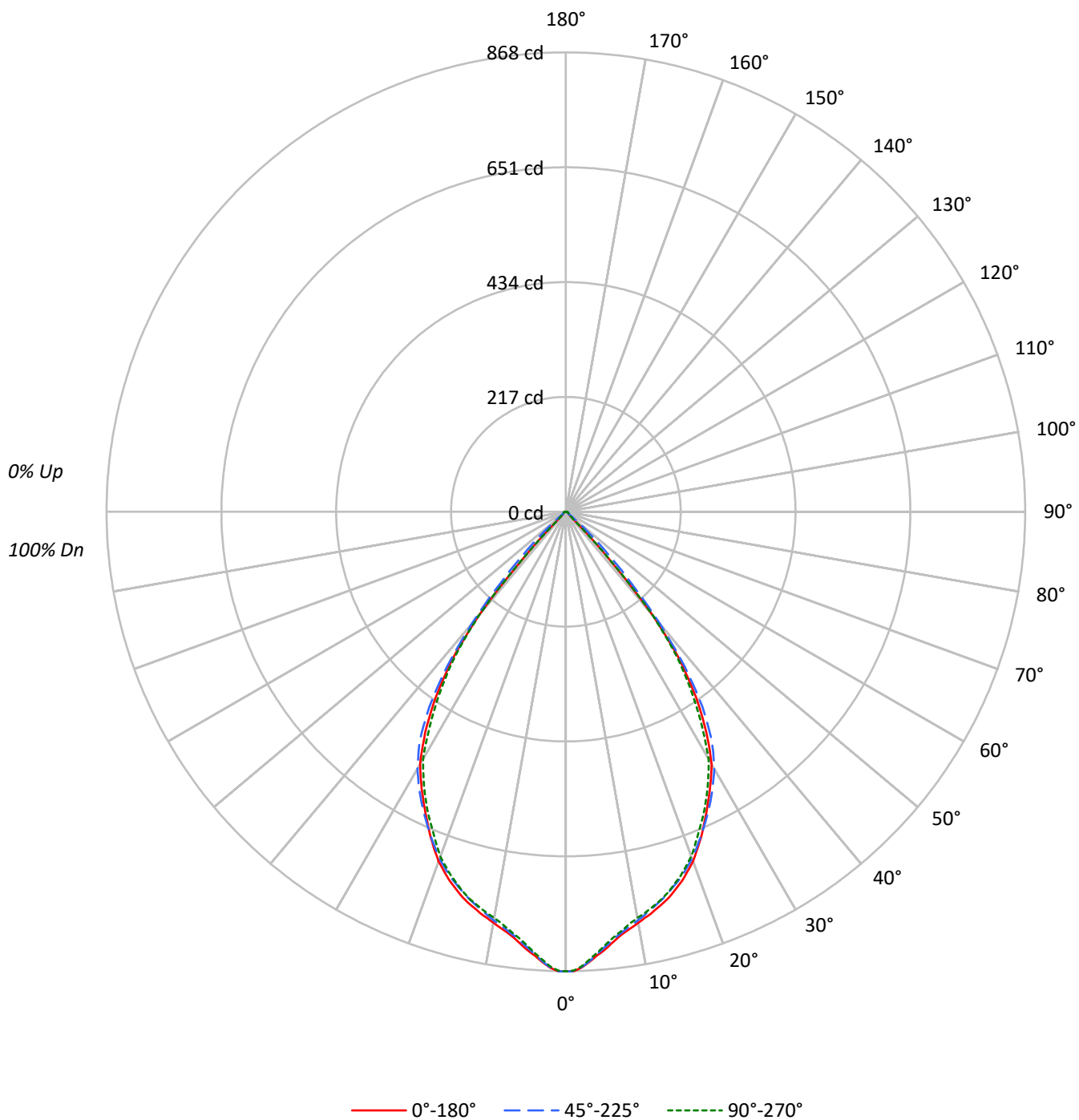
Lumens per Lamp: N/A
Luminaire Lumens: 926.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	149575	149575	149575
5°	143767	142989	142471
10°	137927	137140	136214
15°	134455	132975	132832
20°	128824	127853	127028
25°	119261	120135	117836
30°	109555	111504	107308
35°	90342	94610	86873
40°	57532	61916	57532
45°	4043	26767	4408
50°	1822	5439	1822
55°	2042	2042	2042
60°	2067	2067	2067
65°	1834	2160	1834
70°	1913	2266	1913
75°	1996	1996	1996
80°	2281	2281	2281
85°	1581	2964	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 26767 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	8.4
10°-20°	209.8	22.7
20°-30°	288.4	31.1
30°-40°	264.1	28.5
40°-50°	70.1	7.6
50°-60°	6.3	0.7
60°-70°	5.1	0.6
70°-80°	3.4	0.4
80°-90°	1.3	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°	575.7	62.2
0°-40°	839.9	90.7
0°-60°	916.2	98.9
0°-90°	926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	832	828	827	826	824	78
15°	754	747	746	746	745	212
25°	628	630	632	625	620	289
35°	430	436	450	430	413	261
45°	17	56	110	57	18	50
55°	7	7	7	7	7	6
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
85°	1	2	2	2	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	868.5	868.5	868.5	868.5	868.5
1°	868.5	867.0	868.5	868.5	867.0
2°	861.7	860.2	860.9	860.2	859.4
3°	851.9	849.6	850.4	848.9	847.4
4°	840.6	838.4	838.4	837.6	836.1
5°	831.6	827.8	827.1	825.6	824.1
6°	821.0	817.3	816.5	814.3	812.8
7°	810.5	807.5	806.7	803.7	803.7
8°	802.2	798.5	798.5	794.7	794.7
9°	795.5	790.9	790.9	787.9	786.4
10°	788.7	784.2	784.2	780.4	778.9
11°	781.9	778.1	776.6	774.4	773.6
12°	775.9	770.6	769.1	768.4	766.9
13°	768.4	763.1	761.6	760.8	760.1
14°	761.6	754.8	754.1	752.6	753.3
15°	754.1	747.3	745.8	745.8	745.0
17.5°	730.7	726.2	724.0	722.5	721.0
20°	702.9	699.1	697.6	694.6	693.1
22.5°	666.8	666.0	665.3	661.5	655.5
25°	627.6	629.9	632.2	624.6	620.1
27.5°	590.0	596.0	598.3	590.8	581.0
30°	550.9	556.1	560.7	550.1	539.6
32.5°	494.4	507.2	514.0	502.0	477.9
35°	429.7	436.5	450.0	429.7	413.2
37.5°	354.5	358.2	368.8	355.2	343.9
40°	255.9	267.2	275.4	267.2	255.9
42.5°	115.1	161.0	182.1	170.1	120.4
45°	16.6	56.4	109.9	57.2	18.1
47.5°	6.8	9.0	57.2	8.3	6.8
50°	6.8	6.8	20.3	6.8	6.8
52.5°	6.8	6.8	7.5	6.8	6.8
55°	6.8	6.8	6.8	6.8	6.8
57.5°	6.0	6.0	6.8	6.0	6.0
60°	6.0	6.0	6.0	6.0	6.0
62.5°	5.3	6.0	6.0	6.0	5.3
65°	4.5	5.3	5.3	5.3	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.8	4.5	4.5	4.5	3.8
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.3	3.0	3.0	3.0	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	1.5	1.5	1.5	0.8
87.5°	0.8	0.8	0.8	0.8	0.8



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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)