

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: P1316181

Luminaire Tested: P3SQAS09R709827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316181
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: P3SQAS09R709827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

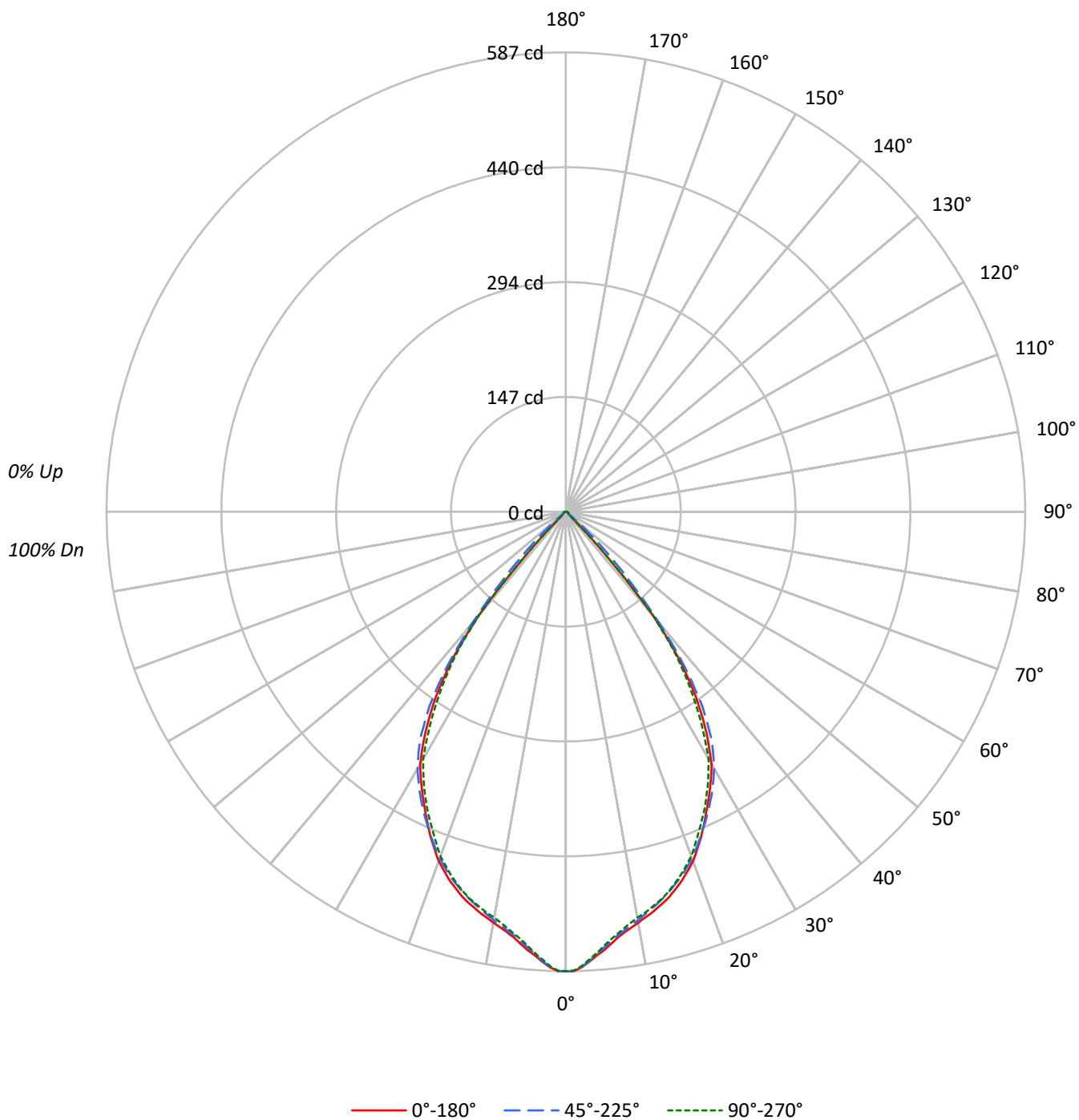
Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	76	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°	101112	101112	101112
5°	97193	96657	96312
10°	93246	92704	92092
15°	90896	89898	89809
20°	87093	86433	85883
25°	80628	81217	79659
30°	74058	75370	72546
35°	61076	63957	58721
40°	38894	41862	38894
45°	2728	18096	2971
50°	1232	3671	1232
55°	1381	1381	1381
60°	1412	1412	1412
65°	1263	1467	1263
70°	1259	1561	1259
75°	1331	1331	1331
80°	1488	1488	1488
85°	988	1976	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 18096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	8.4
10°-20°	141.8	22.7
20°-30°	195.0	31.1
30°-40°	178.6	28.5
40°-50°	47.4	7.6
50°-60°	4.3	0.7
60°-70°	3.5	0.6
70°-80°	2.3	0.4
80°-90°	0.9	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°	389.2	62.2
0°-40°	567.8	90.7
0°-60°	619.4	98.9
0°-90°	626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	562	560	559	558	557	53
15°	510	505	504	504	504	143
25°	424	426	427	422	419	195
35°	290	295	304	290	279	176
45°	11	38	74	39	12	34
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	587.1	587.1	587.1	587.1	587.1
1°	587.1	586.1	587.1	587.1	586.1
2°	582.5	581.5	582.0	581.5	581.0
3°	575.9	574.4	574.9	573.9	572.9
4°	568.3	566.7	566.7	566.2	565.2
5°	562.2	559.6	559.1	558.1	557.1
6°	555.0	552.5	552.0	550.5	549.5
7°	547.9	545.9	545.4	543.3	543.3
8°	542.3	539.8	539.8	537.2	537.2
9°	537.8	534.7	534.7	532.7	531.6
10°	533.2	530.1	530.1	527.6	526.6
11°	528.6	526.0	525.0	523.5	523.0
12°	524.5	521.0	519.9	519.4	518.4
13°	519.4	515.9	514.9	514.3	513.8
14°	514.9	510.3	509.8	508.8	509.3
15°	509.8	505.2	504.2	504.2	503.7
17.5°	494.0	490.9	489.4	488.4	487.4
20°	475.2	472.6	471.6	469.6	468.6
22.5°	450.8	450.2	449.7	447.2	443.1
25°	424.3	425.8	427.4	422.3	419.2
27.5°	398.9	402.9	404.5	399.4	392.8
30°	372.4	376.0	379.0	371.9	364.8
32.5°	334.2	342.9	347.5	339.3	323.1
35°	290.5	295.1	304.2	290.5	279.3
37.5°	239.6	242.2	249.3	240.1	232.5
40°	173.0	180.6	186.2	180.6	173.0
42.5°	77.8	108.9	123.1	115.0	81.4
45°	11.2	38.2	74.3	38.7	12.2
47.5°	4.6	6.1	38.7	5.6	4.6
50°	4.6	4.6	13.7	4.6	4.6
52.5°	4.6	4.6	5.1	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.1	4.1	4.6	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.6	4.1	4.1	4.1	3.6
65°	3.1	3.6	3.6	3.6	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.5	3.1	3.1	3.1	2.5
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.5	2.0	2.0	2.0	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	1.0	1.0	1.0	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



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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)