

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: P1311238

Luminaire Tested: P3SQAS09R709050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311238
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: P3SQAS09R709050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

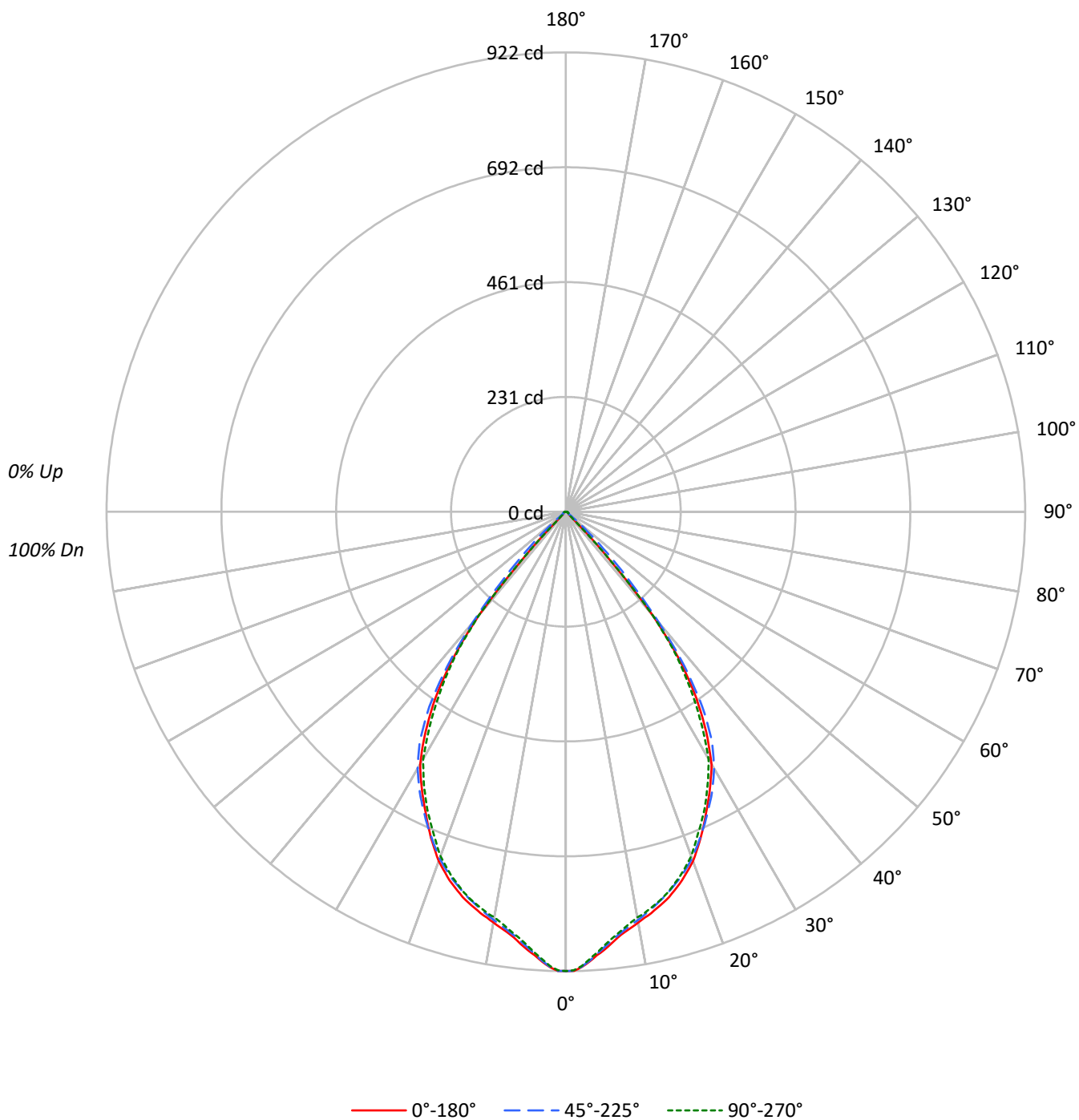
Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	158772	158772	158772
5°	152619	151789	151236
10°	146409	145570	144590
15°	142728	141159	141016
20°	136760	135734	134854
25°	126615	127527	125095
30°	116297	118365	113910
35°	95914	100434	92213
40°	61061	65738	61061
45°	4287	28399	4676
50°	1929	5787	1929
55°	2162	2162	2162
60°	2204	2204	2204
65°	1956	2282	1956
70°	2014	2417	2014
75°	2129	2129	2129
80°	2380	2380	2380
85°	1581	3162	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 28399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	8.4
10°-20°	222.7	22.7
20°-30°	306.1	31.1
30°-40°	280.4	28.5
40°-50°	74.4	7.6
50°-60°	6.7	0.7
60°-70°	5.4	0.6
70°-80°	3.6	0.4
80°-90°	1.4	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°	611.1	62.2
0°-40°	891.6	90.7
0°-60°	972.6	98.9
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	883	879	878	876	875	83
15°	800	793	792	792	791	225
25°	666	669	671	663	658	306
35°	456	463	478	456	439	277
45°	18	60	117	61	19	53
55°	7	7	7	7	7	6
65°	5	6	6	6	5	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°	921.9	921.9	921.9	921.9	921.9
1°	921.9	920.3	921.9	921.9	920.3
2°	914.7	913.1	913.9	913.1	912.3
3°	904.3	901.9	902.7	901.1	899.5
4°	892.4	890.0	890.0	889.2	887.6
5°	882.8	878.8	878.0	876.4	874.8
6°	871.6	867.6	866.8	864.4	862.8
7°	860.4	857.2	856.4	853.2	853.2
8°	851.6	847.6	847.6	843.6	843.6
9°	844.4	839.6	839.6	836.4	834.8
10°	837.2	832.4	832.4	828.4	826.8
11°	830.0	826.0	824.5	822.1	821.3
12°	823.7	818.1	816.5	815.7	814.1
13°	815.7	810.1	808.5	807.7	806.9
14°	808.5	801.3	800.5	798.9	799.7
15°	800.5	793.3	791.7	791.7	790.9
17.5°	775.7	770.9	768.5	766.9	765.3
20°	746.2	742.2	740.6	737.4	735.8
22.5°	707.8	707.0	706.2	702.2	695.8
25°	666.3	668.7	671.1	663.1	658.3
27.5°	626.3	632.7	635.1	627.1	616.7
30°	584.8	590.4	595.2	584.0	572.8
32.5°	524.9	538.4	545.6	532.9	507.3
35°	456.2	463.4	477.7	456.2	438.6
37.5°	376.3	380.3	391.5	377.1	365.1
40°	271.6	283.6	292.4	283.6	271.6
42.5°	122.2	171.0	193.3	180.5	127.8
45°	17.6	59.9	116.6	60.7	19.2
47.5°	7.2	9.6	60.7	8.8	7.2
50°	7.2	7.2	21.6	7.2	7.2
52.5°	7.2	7.2	8.0	7.2	7.2
55°	7.2	7.2	7.2	7.2	7.2
57.5°	6.4	6.4	7.2	6.4	6.4
60°	6.4	6.4	6.4	6.4	6.4
62.5°	5.6	6.4	6.4	6.4	5.6
65°	4.8	5.6	5.6	5.6	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.0	4.8	4.8	4.8	4.0
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.4	3.2	3.2	3.2	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	1.6	1.6	1.6	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)