

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: P1446822

Luminaire Tested: P3ART09R709740DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R709740DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

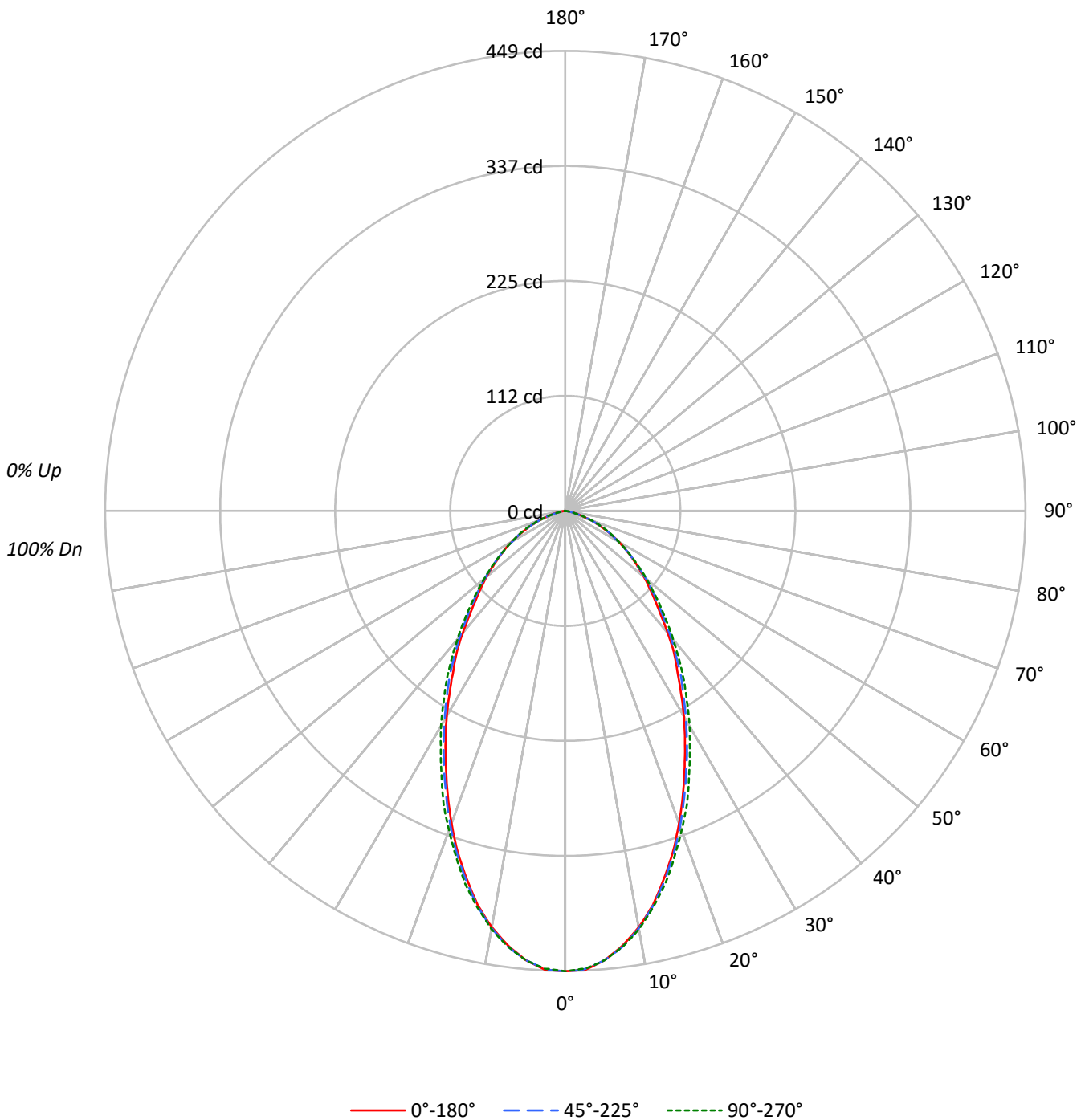
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98545	98545	98545
5°	96896	96896	96896
10°	91871	92094	92316
15°	84359	84836	85540
20°	75723	76447	77403
25°	66633	67625	69101
30°	58591	59629	61427
35°	50969	52628	53994
40°	44541	45714	46888
45°	38423	39694	40624
50°	34216	34933	35274
55°	30126	30546	30546
60°	26489	26051	26489
65°	21792	22311	22830
70°	17054	17054	17695
75°	11268	10421	10421
80°	6440	5177	3915
85°	2516	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 40624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	6.6
10°-20°	104.4	16.7
20°-30°	128.7	20.6
30°-40°	122.7	19.6
40°-50°	99.2	15.9
50°-60°	71.5	11.4
60°-70°	42.8	6.8
70°-80°	14.3	2.3
80°-90°	1.2	0.2
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°	274.3	43.8
0°-40°	396.9	63.4
0°-60°	567.6	90.7
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°	449	449	449	449	449	
5°	440	440	440	440	440	41
15°	372	372	374	375	377	104
25°	275	277	280	284	286	127
35°	190	192	197	200	202	120
45°	124	126	128	130	131	97
55°	79	79	80	80	80	71
65°	42	43	43	44	44	42
75°	13	13	12	12	12	15
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2°	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	448.4	447.4
2.5°	448.4	447.4	447.4	447.4	447.4	447.4	447.4	447.4	447.4	448.4	447.4
5°	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	441.2	440.2	440.2
7.5°	427.9	427.9	427.9	427.9	429.0	429.0	429.0	429.0	430.0	430.0	429.0
10°	412.6	412.6	412.6	412.6	413.6	413.6	414.6	413.6	413.6	414.6	414.6
12.5°	394.2	393.1	393.1	393.1	394.2	395.2	395.2	395.2	396.2	396.2	396.2
15°	371.6	371.6	371.6	372.7	372.7	373.7	374.7	374.7	375.7	375.7	376.8
17.5°	349.1	349.1	348.1	349.1	350.1	351.2	352.2	353.2	354.2	354.2	354.2
20°	324.5	323.5	324.5	325.6	326.6	327.6	328.6	330.7	331.7	331.7	331.7
22.5°	300.0	298.9	300.0	301.0	302.0	303.0	306.1	307.1	308.2	308.2	310.2
25°	275.4	275.4	276.4	277.4	278.5	279.5	281.5	283.6	284.6	285.6	285.6
27.5°	252.9	252.9	252.9	252.9	254.9	257.0	259.0	261.1	262.1	263.1	263.1
30°	231.4	230.4	230.4	231.4	233.4	235.5	237.5	239.6	240.6	241.6	242.6
32.5°	209.9	209.9	209.9	210.9	211.9	215.0	217.0	218.1	220.1	221.1	221.1
35°	190.4	190.4	190.4	192.5	194.5	196.6	197.6	199.6	201.7	201.7	201.7
37.5°	174.0	175.1	177.1	176.1	176.1	177.1	178.1	180.2	182.2	182.2	182.2
40°	155.6	156.6	157.7	156.6	157.7	159.7	160.7	161.8	162.8	163.8	163.8
42.5°	138.2	138.2	138.2	139.2	141.3	142.3	144.4	145.4	146.4	146.4	146.4
45°	123.9	123.9	124.9	125.9	126.9	128.0	129.0	130.0	131.0	131.0	131.0
47.5°	111.6	111.6	112.6	112.6	113.6	114.7	115.7	115.7	116.7	117.7	116.7
50°	100.3	100.3	100.3	101.4	101.4	102.4	102.4	103.4	103.4	103.4	103.4
52.5°	89.1	89.1	89.1	89.1	90.1	90.1	90.1	91.1	91.1	91.1	91.1
55°	78.8	78.8	78.8	78.8	78.8	79.9	79.9	79.9	79.9	79.9	79.9
57.5°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
60°	60.4	60.4	60.4	60.4	60.4	59.4	60.4	60.4	60.4	60.4	60.4
62.5°	51.2	51.2	51.2	51.2	51.2	51.2	51.2	52.2	52.2	52.2	52.2
65°	42.0	43.0	43.0	43.0	43.0	43.0	43.0	44.0	44.0	44.0	44.0
67.5°	33.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.8	35.8	35.8
70°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	27.6
72.5°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	19.5	19.5	19.5
75°	13.3	13.3	13.3	13.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	9.2	9.2	9.2	8.2	8.2	7.2	7.2	7.2	7.2	7.2	6.1
80°	5.1	5.1	5.1	5.1	5.1	4.1	4.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)