

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: P1446172

Luminaire Tested: P3ART09R709040DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446172
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: P3ART09R709040DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

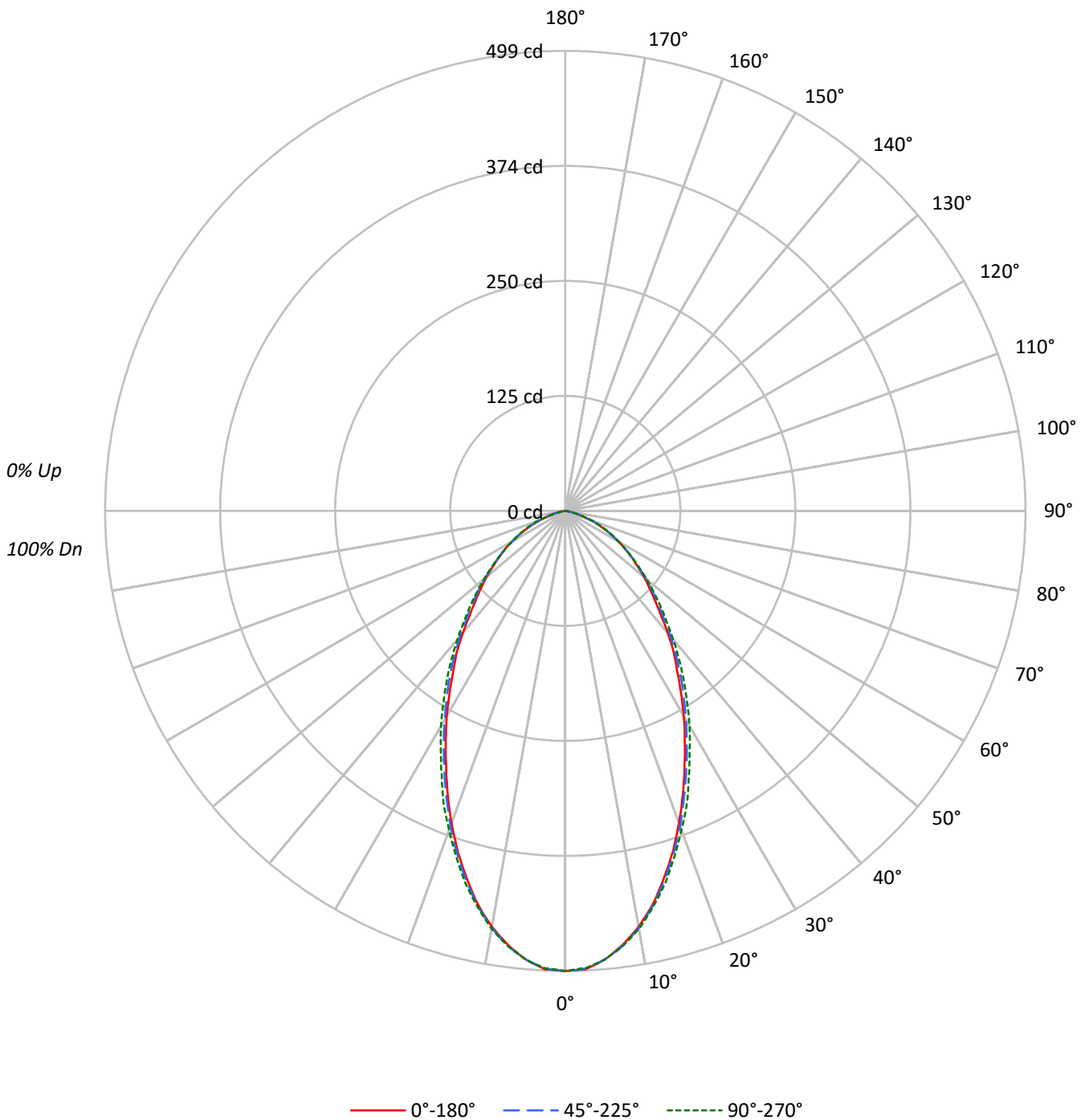
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.0 lumens
Efficiency: N/A
Efficacy: 62.6 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109421	109421	109421
5°	107572	107572	107572
10°	102002	102247	102492
15°	93667	94189	94961
20°	84077	84871	85944
25°	73988	75077	76722
30°	65048	66187	68213
35°	56590	58410	59936
40°	49464	50752	52069
45°	42640	44067	45121
50°	38003	38788	39163
55°	33452	33910	33910
60°	29427	28901	29427
65°	24179	24750	25372
70°	18978	18978	19683
75°	12539	11522	11522
80°	7198	5683	4293
85°	2768	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 45121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	6.6
10°-20°	115.9	16.7
20°-30°	142.9	20.6
30°-40°	136.2	19.6
40°-50°	110.2	15.9
50°-60°	79.4	11.4
60°-70°	47.5	6.8
70°-80°	15.9	2.3
80°-90°	1.3	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°	304.5	43.8
0°-40°	440.7	63.4
0°-60°	630.2	90.7
0°-90°	695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	489	489	489	489	489	46
15°	413	413	415	416	418	115
25°	306	308	310	315	317	141
35°	211	213	218	222	224	133
45°	138	140	142	145	146	107
55°	88	88	89	89	89	79
65°	47	48	48	49	49	47
75°	15	15	14	14	14	17
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°	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0
2°	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	496.7
2.5°	497.8	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	497.8	496.7
5°	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	489.9	488.7	488.7
7.5°	475.1	475.1	475.1	475.1	476.2	476.2	476.2	476.2	477.4	477.4	476.2
10°	458.1	458.1	458.1	458.1	459.2	459.2	460.3	459.2	459.2	460.3	460.3
12.5°	437.6	436.5	436.5	436.5	437.6	438.7	438.7	438.7	439.9	439.9	439.9
15°	412.6	412.6	412.6	413.7	413.7	414.9	416.0	416.0	417.1	417.1	418.3
17.5°	387.6	387.6	386.5	387.6	388.7	389.9	391.0	392.1	393.3	393.3	393.3
20°	360.3	359.2	360.3	361.4	362.6	363.7	364.9	367.1	368.3	368.3	368.3
22.5°	333.0	331.9	333.0	334.2	335.3	336.4	339.9	341.0	342.1	342.1	344.4
25°	305.8	305.8	306.9	308.0	309.2	310.3	312.6	314.8	316.0	317.1	317.1
27.5°	280.7	280.7	280.7	280.7	283.0	285.3	287.6	289.8	291.0	292.1	292.1
30°	256.9	255.7	255.7	256.9	259.2	261.4	263.7	266.0	267.1	268.2	269.4
32.5°	233.0	233.0	233.0	234.1	235.3	238.7	241.0	242.1	244.4	245.5	245.5
35°	211.4	211.4	211.4	213.7	216.0	218.2	219.4	221.6	223.9	223.9	223.9
37.5°	193.2	194.4	196.6	195.5	195.5	196.6	197.8	200.0	202.3	202.3	202.3
40°	172.8	173.9	175.0	173.9	175.0	177.3	178.4	179.6	180.7	181.9	181.9
42.5°	153.4	153.4	153.4	154.6	156.9	158.0	160.3	161.4	162.5	162.5	162.5
45°	137.5	137.5	138.7	139.8	140.9	142.1	143.2	144.4	145.5	145.5	145.5
47.5°	123.9	123.9	125.0	125.0	126.2	127.3	128.4	128.4	129.6	130.7	129.6
50°	111.4	111.4	111.4	112.5	112.5	113.7	113.7	114.8	114.8	114.8	114.8
52.5°	98.9	98.9	98.9	98.9	100.0	100.0	100.0	101.2	101.2	101.2	101.2
55°	87.5	87.5	87.5	87.5	87.5	88.7	88.7	88.7	88.7	88.7	88.7
57.5°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
60°	67.1	67.1	67.1	67.1	67.1	65.9	67.1	67.1	67.1	67.1	67.1
62.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	58.0	58.0	58.0	58.0
65°	46.6	47.7	47.7	47.7	47.7	47.7	47.7	48.9	48.9	48.9	48.9
67.5°	37.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	39.8	39.8	39.8
70°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	30.7
72.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	21.6	21.6	21.6
75°	14.8	14.8	14.8	14.8	13.6	13.6	13.6	13.6	13.6	13.6	13.6
77.5°	10.2	10.2	10.2	9.1	9.1	8.0	8.0	8.0	8.0	8.0	6.8
80°	5.7	5.7	5.7	5.7	5.7	4.5	4.5	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)