

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: P#

Luminaire Tested: P3ART02R709827DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART02R709827DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

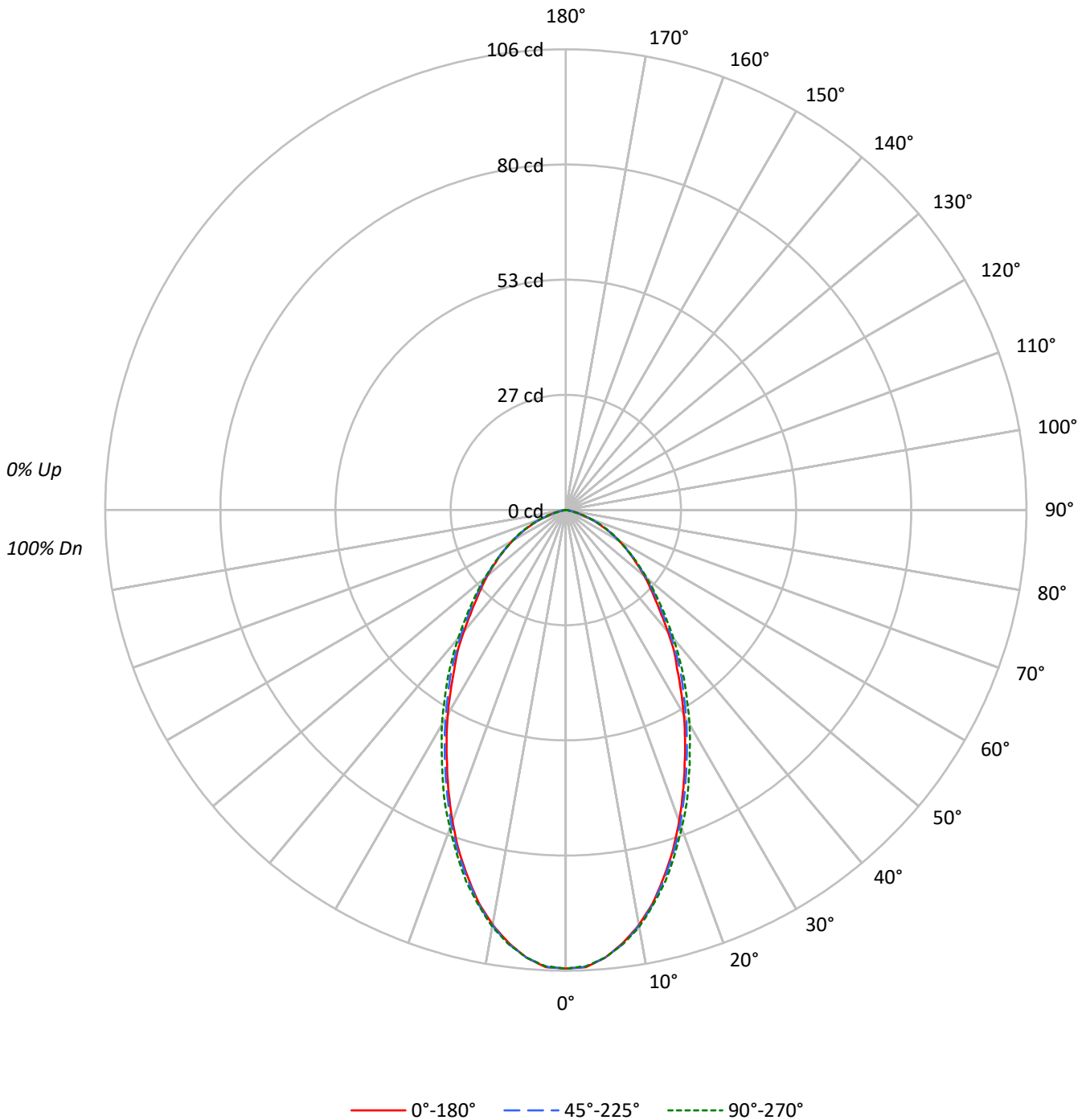
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 147.0 lumens
Efficiency: N/A
Efficacy: 40.8 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): 3.6
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	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23134	23134	23134
5°	22760	22760	22760
10°	21576	21621	21687
15°	19819	19909	20091
20°	17782	17945	18178
25°	15654	15872	16235
30°	13749	14002	14433
35°	11966	12367	12689
40°	10448	10734	11021
45°	9024	9334	9551
50°	8051	8187	8290
55°	7073	7187	7187
60°	6228	6096	6228
65°	5137	5241	5344
70°	4039	4039	4167
75°	2626	2457	2457
80°	1515	1263	884
85°	503	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 9551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	6.6
10°-20°	24.5	16.7
20°-30°	30.2	20.6
30°-40°	28.8	19.6
40°-50°	23.3	15.9
50°-60°	16.8	11.4
60°-70°	10.1	6.8
70°-80°	3.4	2.3
80°-90°	0.3	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°	64.4	43.8
0°-40°	93.2	63.4
0°-60°	133.3	90.7
0°-90°	147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	106	106	106	106	106	
5°	103	103	103	103	103	10
15°	87	87	88	88	88	24
25°	65	65	66	67	67	30
35°	45	45	46	47	47	28
45°	29	30	30	31	31	23
55°	18	18	19	19	19	17
65°	10	10	10	10	10	10
75°	3	3	3	3	3	4
85°	0	0	0	0	0	0
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°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.1
2.5°	105.3	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.3	105.1
5°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.6	103.4	103.4
7.5°	100.5	100.5	100.5	100.5	100.7	100.7	100.7	100.7	101.0	101.0	100.7
10°	96.9	96.9	96.9	96.9	97.1	97.1	97.4	97.1	97.1	97.4	97.4
12.5°	92.6	92.3	92.3	92.3	92.6	92.8	92.8	92.8	93.0	93.0	93.0
15°	87.3	87.3	87.3	87.5	87.5	87.7	88.0	88.0	88.2	88.2	88.5
17.5°	82.0	82.0	81.7	82.0	82.2	82.5	82.7	82.9	83.2	83.2	83.2
20°	76.2	76.0	76.2	76.4	76.7	76.9	77.2	77.7	77.9	77.9	77.9
22.5°	70.4	70.2	70.4	70.7	70.9	71.2	71.9	72.1	72.4	72.4	72.8
25°	64.7	64.7	64.9	65.2	65.4	65.6	66.1	66.6	66.8	67.1	67.1
27.5°	59.4	59.4	59.4	59.4	59.9	60.3	60.8	61.3	61.5	61.8	61.8
30°	54.3	54.1	54.1	54.3	54.8	55.3	55.8	56.3	56.5	56.7	57.0
32.5°	49.3	49.3	49.3	49.5	49.8	50.5	51.0	51.2	51.7	51.9	51.9
35°	44.7	44.7	44.7	45.2	45.7	46.2	46.4	46.9	47.4	47.4	47.4
37.5°	40.9	41.1	41.6	41.4	41.4	41.6	41.8	42.3	42.8	42.8	42.8
40°	36.5	36.8	37.0	36.8	37.0	37.5	37.7	38.0	38.2	38.5	38.5
42.5°	32.5	32.5	32.5	32.7	33.2	33.4	33.9	34.1	34.4	34.4	34.4
45°	29.1	29.1	29.3	29.6	29.8	30.1	30.3	30.5	30.8	30.8	30.8
47.5°	26.2	26.2	26.4	26.4	26.7	26.9	27.2	27.2	27.4	27.6	27.4
50°	23.6	23.6	23.6	23.8	23.8	24.0	24.0	24.3	24.3	24.3	24.3
52.5°	20.9	20.9	20.9	20.9	21.2	21.2	21.2	21.4	21.4	21.4	21.4
55°	18.5	18.5	18.5	18.5	18.5	18.8	18.8	18.8	18.8	18.8	18.8
57.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
60°	14.2	14.2	14.2	14.2	14.2	13.9	14.2	14.2	14.2	14.2	14.2
62.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.3	12.3	12.3	12.3
65°	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.3	10.3	10.3	10.3
67.5°	7.9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.4	8.4
70°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.5
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.6	4.6	4.6
75°	3.1	3.1	3.1	3.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.2	2.2	2.2	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.4
80°	1.2	1.2	1.2	1.2	1.2	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	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)