

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: P3ART02R709830DE010 E3CLSWW1MMS

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709830DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

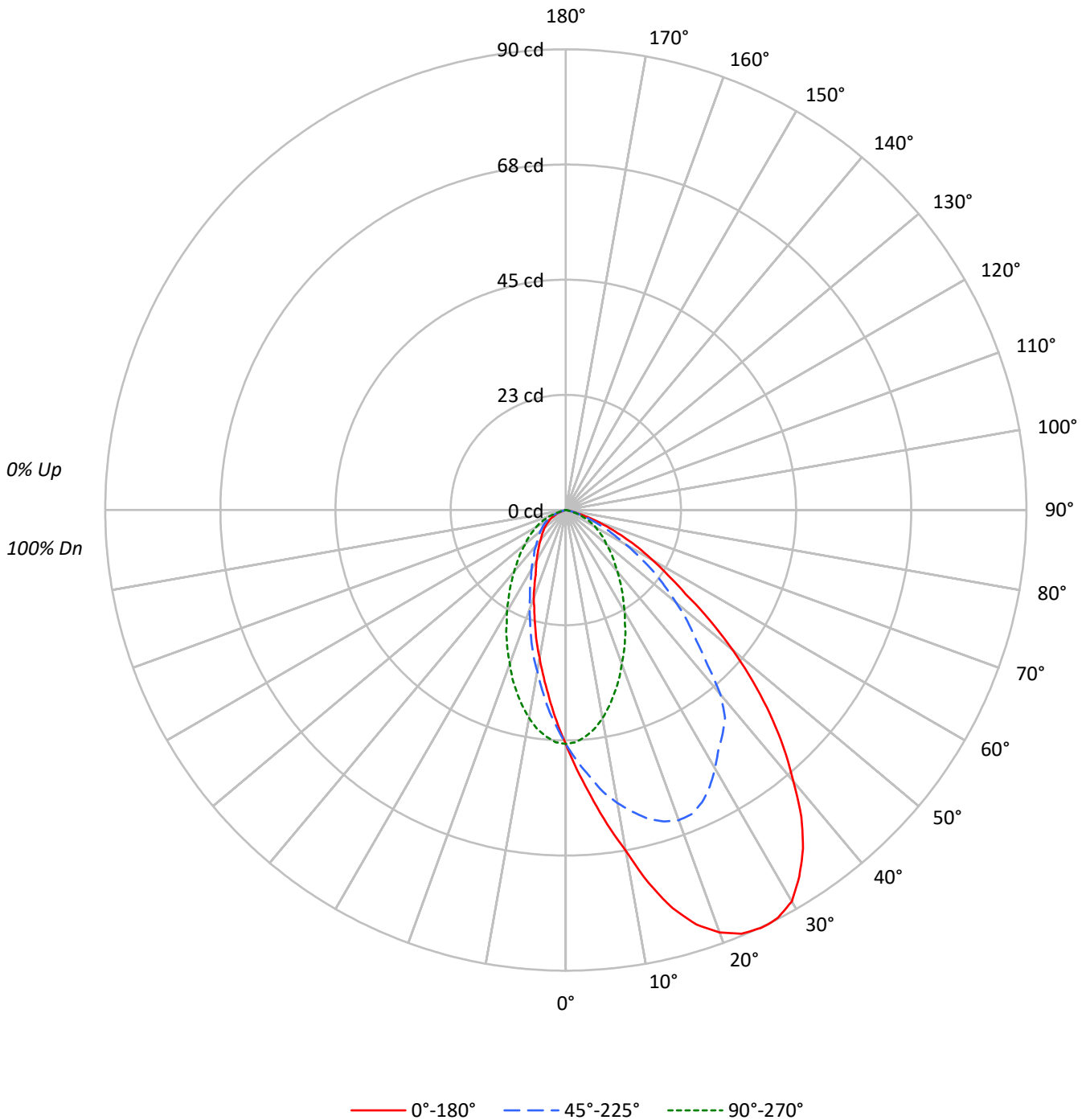
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 91.0 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10021	10021	10021	10021	10021
5°	12327	11468	9773	8585	8122
10°	15052	12937	9196	7125	6546
15°	18275	14189	8377	5925	5267
20°	20488	15051	7467	4807	4270
25°	21800	15243	6629	3992	3363
30°	22358	14762	5824	3393	2887
35°	21630	14295	5113	2891	2490
40°	19809	13454	4494	2576	2204
45°	17521	11195	4000	2388	2016
50°	14533	9586	3514	2217	1842
55°	10934	7990	3250	2064	1682
60°	8596	6008	2938	1930	1491
65°	6434	4410	2542	1608	1193
70°	4167	2821	1795	1154	641
75°	1779	1525	847	424	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17521 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	4.8
10°-20°	12.5	13.7
20°-30°	18.2	20.0
30°-40°	19.9	21.8
40°-50°	17.2	18.9
50°-60°	11.5	12.7
60°-70°	5.9	6.5
70°-80°	1.4	1.5
80°-90°	0.0	0.0
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°	35.0	38.5
0°-40°	54.9	60.3
0°-60°	83.6	91.9
0°-90°	91.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	91.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	56	52	44	39	37	6
15°	80	62	37	26	23	23
25°	90	63	27	16	14	41
35°	81	53	19	11	9	50
45°	56	36	13	8	6	43
55°	29	21	8	5	4	26
65°	12	8	5	3	2	13
75°	2	2	1	0	0	3
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°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	50.8	50.6	50.6	50.1	49.6	49.0	48.3	47.5	46.7	45.9	45.4
5°	56.0	56.3	56.0	55.0	53.7	52.1	50.6	48.8	47.0	45.4	44.4
7.5°	61.9	61.9	61.2	59.9	58.1	55.5	52.9	49.8	47.0	44.4	43.1
10°	67.6	67.6	66.3	64.3	61.4	58.1	54.5	50.3	46.5	42.8	41.3
12.5°	74.6	74.3	72.8	69.4	65.3	60.4	55.5	50.3	45.7	41.3	39.2
15°	80.5	80.3	78.2	74.1	68.7	62.5	55.7	49.8	44.1	39.2	36.9
17.5°	84.9	84.4	82.1	77.7	71.5	63.8	56.0	48.8	42.3	36.9	34.6
20°	87.8	87.5	84.9	79.8	73.0	64.5	55.7	47.5	40.5	34.6	32.0
22.5°	89.6	89.0	86.5	80.8	73.0	64.3	54.7	45.7	38.2	32.3	29.7
25°	90.1	89.8	86.7	80.5	72.3	63.0	53.2	43.9	35.9	29.9	27.4
26°	90.1	89.8	86.7	80.3	71.8	62.2	52.4	43.1	35.1	28.9	26.6
27.5°	89.8	89.6	86.2	79.5	70.7	60.9	50.8	41.6	33.6	27.6	25.0
30°	88.3	87.8	84.4	77.7	68.4	58.3	48.3	39.2	31.2	25.3	23.0
32.5°	84.9	84.4	80.8	74.6	65.8	55.5	45.4	36.7	28.9	23.0	20.9
35°	80.8	80.3	76.7	70.7	62.2	53.4	42.3	33.8	26.3	21.2	19.1
37.5°	75.6	74.8	71.8	65.6	57.8	51.1	39.7	31.0	24.0	19.1	17.3
40°	69.2	68.9	66.1	60.4	52.7	47.0	38.2	31.0	21.9	17.3	15.7
42.5°	63.0	62.5	59.9	55.0	48.0	41.0	33.6	29.7	20.4	15.5	14.2
45°	56.5	56.0	53.7	49.6	43.1	36.1	36.1	25.6	17.6	14.2	12.9
47.5°	49.6	49.0	47.2	44.1	38.5	32.3	26.3	20.9	16.0	12.6	11.6
50°	42.6	42.8	41.3	38.2	33.8	28.1	22.7	17.6	13.7	11.4	10.3
52.5°	35.6	35.4	34.3	32.3	29.2	24.3	19.4	15.0	11.9	10.1	9.5
55°	28.6	28.9	28.4	27.1	24.5	20.9	16.3	12.9	10.6	9.0	8.5
57.5°	23.7	24.0	23.0	22.2	20.1	17.0	13.4	10.8	9.0	8.0	7.5
60°	19.6	19.9	19.1	18.1	16.5	13.7	10.8	9.0	8.0	7.2	6.7
62.5°	16.0	15.7	15.2	14.2	12.9	10.8	8.8	7.5	6.7	6.2	5.9
65°	12.4	12.4	11.9	11.1	10.1	8.5	7.0	6.2	5.7	5.2	4.9
67.5°	9.3	9.3	8.8	8.3	7.2	6.2	5.4	4.9	4.6	4.1	3.9
70°	6.5	6.5	6.2	5.9	5.2	4.4	4.1	3.6	3.4	3.1	2.8
72.5°	4.1	4.1	4.1	3.6	3.4	2.8	2.8	2.6	2.3	2.1	2.1
75°	2.1	2.3	2.1	2.1	1.8	1.8	1.5	1.5	1.3	1.3	1.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	44.9	44.1	43.6	42.8	42.3	41.8	41.6	41.3	41.3	41.3
5°	43.6	42.3	41.0	39.7	39.0	38.2	37.4	37.2	36.9	36.9
7.5°	42.1	40.0	38.2	36.7	35.4	34.6	33.8	33.3	33.0	33.0
10°	40.0	37.4	35.4	33.3	32.0	31.0	30.5	29.7	29.7	29.4
12.5°	37.7	34.6	32.3	30.5	29.2	27.9	27.1	26.6	26.3	26.3
15°	35.1	32.0	29.4	27.4	26.1	24.8	24.0	23.5	23.2	23.2
17.5°	32.5	29.2	26.6	24.5	23.2	21.9	21.2	20.6	20.6	20.4
20°	29.9	26.6	24.0	21.9	20.6	19.6	18.8	18.3	18.1	18.3
22.5°	27.6	24.3	21.7	19.9	18.3	17.3	16.5	16.3	16.0	16.0
25°	25.0	21.9	19.6	17.8	16.5	15.5	14.7	14.5	14.2	13.9
26°	24.3	21.2	18.8	17.0	15.7	14.7	14.2	13.7	13.4	13.4
27.5°	23.2	19.9	17.8	16.0	14.7	13.9	13.2	12.9	12.6	12.6
30°	20.9	18.1	16.0	14.5	13.4	12.4	11.9	11.6	11.4	11.4
32.5°	19.1	16.3	14.5	13.2	12.1	11.4	10.8	10.3	10.3	10.3
35°	17.3	14.7	13.2	11.9	10.8	10.1	9.8	9.5	9.3	9.3
37.5°	15.7	13.4	11.9	10.8	10.1	9.3	8.8	8.5	8.5	8.5
40°	14.2	12.4	10.8	9.8	9.0	8.5	8.0	7.7	7.7	7.7
42.5°	12.9	11.1	10.1	9.0	8.3	7.7	7.5	7.2	7.0	7.0
45°	11.9	10.3	9.0	8.3	7.7	7.2	6.7	6.5	6.5	6.5
47.5°	10.6	9.5	8.3	7.5	7.0	6.5	6.2	5.9	5.9	5.9
50°	9.8	8.8	7.7	7.0	6.5	5.9	5.7	5.4	5.4	5.4
52.5°	8.8	8.0	7.2	6.5	5.9	5.4	5.2	4.9	4.9	4.9
55°	8.0	7.2	6.5	5.9	5.4	4.9	4.6	4.4	4.4	4.4
57.5°	7.2	6.5	5.9	5.4	4.9	4.6	4.1	4.1	3.9	3.9
60°	6.5	5.7	5.2	4.9	4.4	4.1	3.6	3.4	3.4	3.4
62.5°	5.4	5.2	4.6	4.1	3.6	3.4	3.1	2.8	2.8	2.8
65°	4.6	4.4	3.9	3.4	3.1	2.8	2.6	2.3	2.3	2.3
67.5°	3.9	3.4	3.1	2.8	2.6	2.3	2.1	1.8	1.5	1.8
70°	2.8	2.6	2.3	2.1	1.8	1.5	1.3	1.3	1.0	1.0
72.5°	1.8	1.5	1.5	1.3	1.0	1.0	0.8	0.8	0.5	0.5
75°	1.0	1.0	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.3
77.5°	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)