

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: P3ART20R709827D010 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: P3ART20R709827D010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

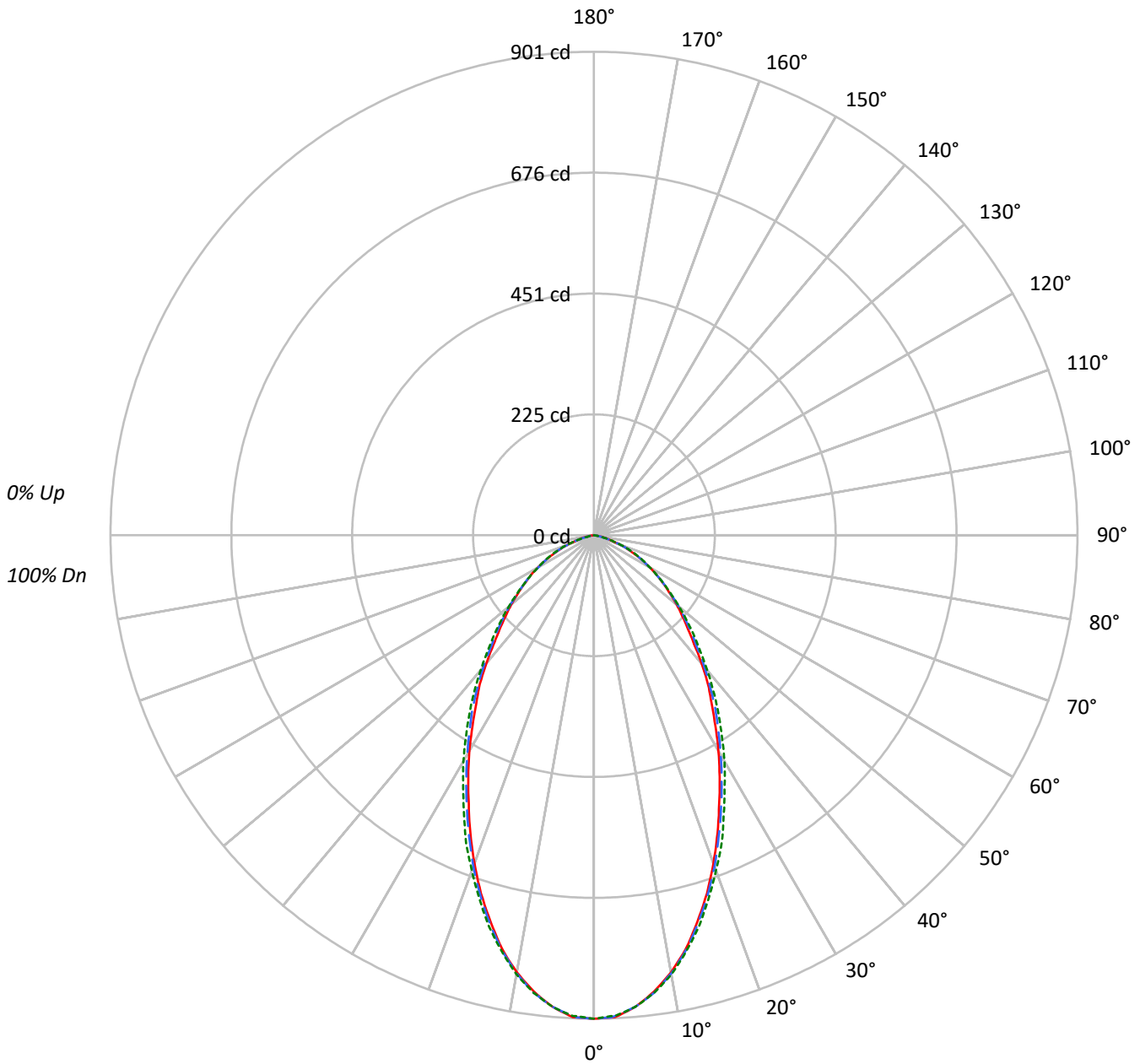
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1255.0 lumens
Efficiency: N/A
Efficacy: 45.8 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): 27.4
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	197572	197572	197572
5°	194276	194276	194276
10°	184165	184633	185078
15°	169127	170058	171465
20°	151820	153267	155180
25°	133580	135564	138540
30°	117461	119537	123158
35°	102205	105498	108228
40°	89310	91657	94005
45°	77000	79574	81466
50°	68603	70002	70718
55°	60404	61207	61207
60°	53110	52189	53110
65°	43688	44726	45816
70°	34237	34237	35519
75°	22621	20842	20842
80°	13007	10355	7829
85°	5284	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 81466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	6.6
10°-20°	209.2	16.7
20°-30°	258.1	20.6
30°-40°	245.9	19.6
40°-50°	198.9	15.9
50°-60°	143.3	11.4
60°-70°	85.8	6.8
70°-80°	28.7	2.3
80°-90°	2.5	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°	549.9	43.8
0°-40°	795.8	63.4
0°-60°	1138.0	90.7
0°-90°	1255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	883	883	883	883	883	82
15°	745	747	749	752	755	208
25°	552	556	560	569	573	254
35°	382	385	394	401	404	240
45°	248	252	257	261	263	194
55°	158	158	160	160	160	142
65°	84	86	86	88	88	84
75°	27	27	25	25	25	30
85°	2	2	0	0	0	4
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°	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0
2°	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	896.9
2.5°	899.0	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	899.0	896.9
5°	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	884.6	882.6	882.6
7.5°	857.9	857.9	857.9	857.9	860.0	860.0	860.0	860.0	862.0	862.0	860.0
10°	827.1	827.1	827.1	827.1	829.2	829.2	831.2	829.2	829.2	831.2	831.2
12.5°	790.2	788.1	788.1	788.1	790.2	792.3	792.3	792.3	794.3	794.3	794.3
15°	745.0	745.0	745.0	747.1	747.1	749.1	751.2	751.2	753.3	753.3	755.3
17.5°	699.9	699.9	697.8	699.9	701.9	704.0	706.0	708.1	710.2	710.2	710.2
20°	650.6	648.6	650.6	652.7	654.7	656.8	658.8	662.9	665.0	665.0	665.0
22.5°	601.4	599.3	601.4	603.4	605.5	607.5	613.7	615.7	617.8	617.8	621.9
25°	552.1	552.1	554.2	556.2	558.3	560.3	564.4	568.5	570.6	572.6	572.6
27.5°	507.0	507.0	507.0	507.0	511.1	515.2	519.3	523.4	525.4	527.5	527.5
30°	463.9	461.8	461.8	463.9	468.0	472.1	476.2	480.3	482.3	484.4	486.4
32.5°	420.8	420.8	420.8	422.8	424.9	431.0	435.1	437.2	441.3	443.3	443.3
35°	381.8	381.8	381.8	385.9	390.0	394.1	396.1	400.2	404.3	404.3	404.3
37.5°	348.9	351.0	355.1	353.0	353.0	355.1	357.1	361.2	365.3	365.3	365.3
40°	312.0	314.0	316.1	314.0	316.1	320.2	322.2	324.3	326.3	328.4	328.4
42.5°	277.1	277.1	277.1	279.1	283.2	285.3	289.4	291.4	293.5	293.5	293.5
45°	248.3	248.3	250.4	252.5	254.5	256.6	258.6	260.7	262.7	262.7	262.7
47.5°	223.7	223.7	225.8	225.8	227.8	229.9	231.9	231.9	234.0	236.0	234.0
50°	201.1	201.1	201.1	203.2	203.2	205.2	205.2	207.3	207.3	207.3	207.3
52.5°	178.6	178.6	178.6	178.6	180.6	180.6	180.6	182.7	182.7	182.7	182.7
55°	158.0	158.0	158.0	158.0	158.0	160.1	160.1	160.1	160.1	160.1	160.1
57.5°	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
60°	121.1	121.1	121.1	121.1	121.1	119.0	121.1	121.1	121.1	121.1	121.1
62.5°	102.6	102.6	102.6	102.6	102.6	102.6	102.6	104.7	104.7	104.7	104.7
65°	84.2	86.2	86.2	86.2	86.2	86.2	86.2	88.3	88.3	88.3	88.3
67.5°	67.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	71.8	71.8	71.8
70°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	55.4
72.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	39.0	39.0	39.0
75°	26.7	26.7	26.7	26.7	24.6	24.6	24.6	24.6	24.6	24.6	24.6
77.5°	18.5	18.5	18.5	16.4	16.4	14.4	14.4	14.4	14.4	14.4	12.3
80°	10.3	10.3	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	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)