

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: P3ART17R709840DE010 E3CLDWW1MB

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: P3ART17R709840DE010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

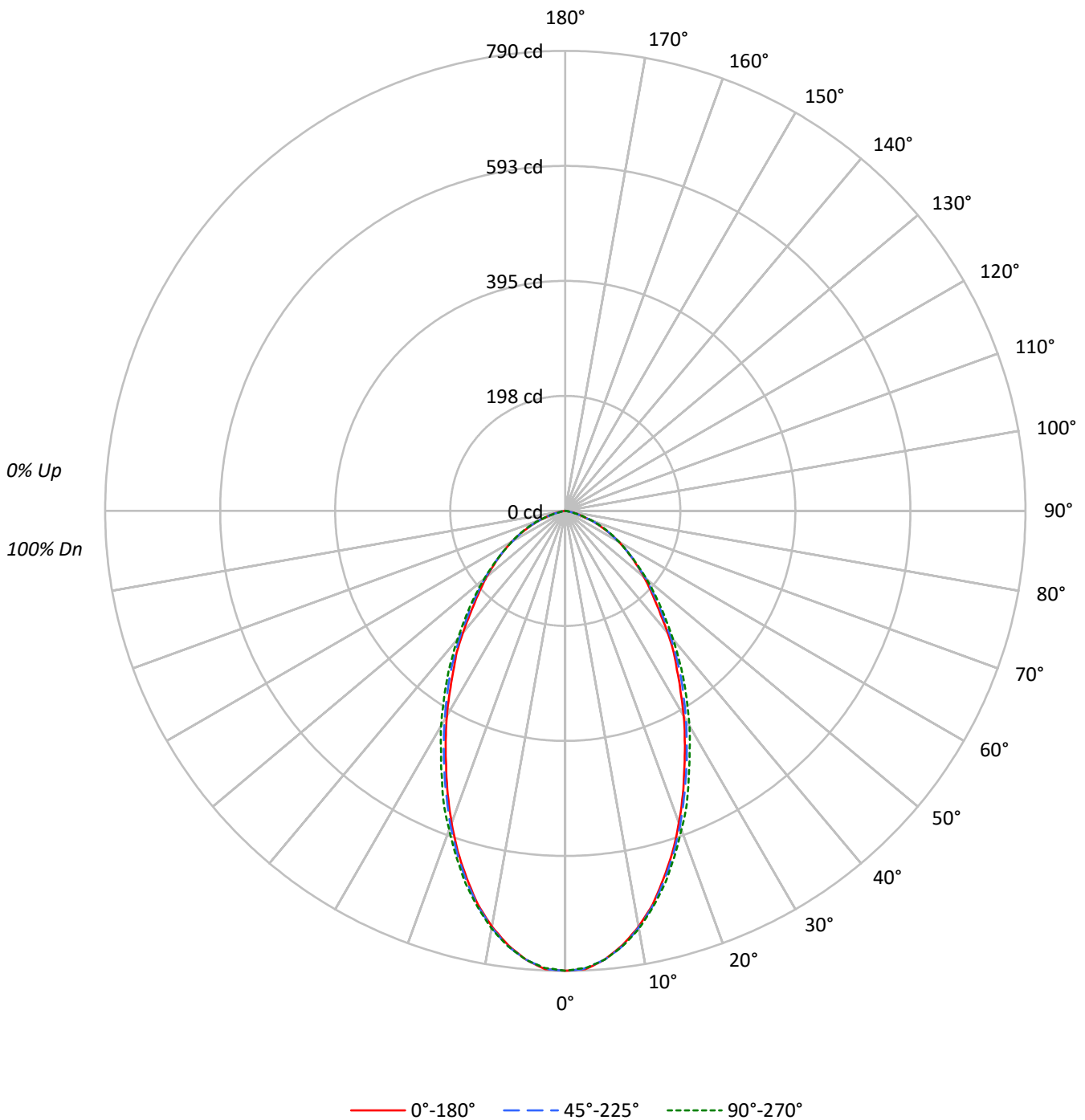
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1100.0 lumens
Efficiency: N/A
Efficacy: 53.9 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): 20.4
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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	173166	173166	173166
5°	170284	170284	170284
10°	161431	161832	162233
15°	148241	149059	150285
20°	133082	134342	136022
25°	117079	118821	121434
30°	102953	104776	107966
35°	89570	92461	94870
40°	78261	80322	82383
45°	67511	69744	71418
50°	60143	61371	61985
55°	52949	53637	53637
60°	46531	45742	46531
65°	38292	39226	40160
70°	30005	30005	31159
75°	19825	18300	18300
80°	11365	9092	6819
85°	4529	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 71418 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	6.6
10°-20°	183.4	16.7
20°-30°	226.2	20.6
30°-40°	215.5	19.6
40°-50°	174.4	15.9
50°-60°	125.6	11.4
60°-70°	75.2	6.8
70°-80°	25.2	2.3
80°-90°	2.1	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°	481.9	43.8
0°-40°	697.5	63.4
0°-60°	997.4	90.7
0°-90°	1100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	790	790	790	790	790	
5°	774	774	774	774	774	72
15°	653	654	657	659	662	182
25°	484	487	491	499	502	223
35°	335	337	345	352	354	210
45°	218	221	225	229	230	170
55°	138	138	140	140	140	125
65°	74	76	76	77	77	74
75°	23	23	22	22	22	26
85°	2	2	0	0	0	3
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°	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7
2°	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	786.2
2.5°	787.9	786.2	786.2	786.2	786.2	786.2	786.2	786.2	786.2	787.9	786.2
5°	773.6	773.6	773.6	773.6	773.6	773.6	773.6	773.6	775.4	773.6	773.6
7.5°	752.0	752.0	752.0	752.0	753.8	753.8	753.8	753.8	755.6	755.6	753.8
10°	725.0	725.0	725.0	725.0	726.8	726.8	728.6	726.8	726.8	728.6	728.6
12.5°	692.6	690.8	690.8	690.8	692.6	694.4	694.4	694.4	696.2	696.2	696.2
15°	653.0	653.0	653.0	654.8	654.8	656.6	658.4	658.4	660.2	660.2	662.0
17.5°	613.4	613.4	611.7	613.4	615.2	617.0	618.8	620.6	622.4	622.4	622.4
20°	570.3	568.5	570.3	572.1	573.9	575.7	577.5	581.1	582.9	582.9	582.9
22.5°	527.1	525.3	527.1	528.9	530.7	532.5	537.9	539.7	541.5	541.5	545.1
25°	483.9	483.9	485.7	487.5	489.3	491.1	494.7	498.3	500.1	501.9	501.9
27.5°	444.3	444.3	444.3	444.3	447.9	451.5	455.1	458.7	460.5	462.3	462.3
30°	406.6	404.8	404.8	406.6	410.2	413.8	417.4	421.0	422.8	424.6	426.4
32.5°	368.8	368.8	368.8	370.6	372.4	377.8	381.4	383.2	386.8	388.6	388.6
35°	334.6	334.6	334.6	338.2	341.8	345.4	347.2	350.8	354.4	354.4	354.4
37.5°	305.8	307.6	311.2	309.4	309.4	311.2	313.0	316.6	320.2	320.2	320.2
40°	273.4	275.2	277.0	275.2	277.0	280.6	282.4	284.2	286.0	287.8	287.8
42.5°	242.9	242.9	242.9	244.7	248.3	250.1	253.7	255.5	257.3	257.3	257.3
45°	217.7	217.7	219.5	221.3	223.1	224.9	226.7	228.5	230.3	230.3	230.3
47.5°	196.1	196.1	197.9	197.9	199.7	201.5	203.3	203.3	205.1	206.9	205.1
50°	176.3	176.3	176.3	178.1	178.1	179.9	179.9	181.7	181.7	181.7	181.7
52.5°	156.5	156.5	156.5	156.5	158.3	158.3	158.3	160.1	160.1	160.1	160.1
55°	138.5	138.5	138.5	138.5	138.5	140.3	140.3	140.3	140.3	140.3	140.3
57.5°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
60°	106.1	106.1	106.1	106.1	106.1	104.3	106.1	106.1	106.1	106.1	106.1
62.5°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	91.7	91.7	91.7	91.7
65°	73.8	75.6	75.6	75.6	75.6	75.6	75.6	77.4	77.4	77.4	77.4
67.5°	59.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	63.0	63.0	63.0
70°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	48.6
72.5°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	34.2	34.2	34.2
75°	23.4	23.4	23.4	23.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6
77.5°	16.2	16.2	16.2	14.4	14.4	12.6	12.6	12.6	12.6	12.6	10.8
80°	9.0	9.0	9.0	9.0	9.0	7.2	7.2	5.4	5.4	5.4	5.4
82.5°	5.4	5.4	5.4	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	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)