

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 E3CLSWW1MW

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: P3ART17R709840DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

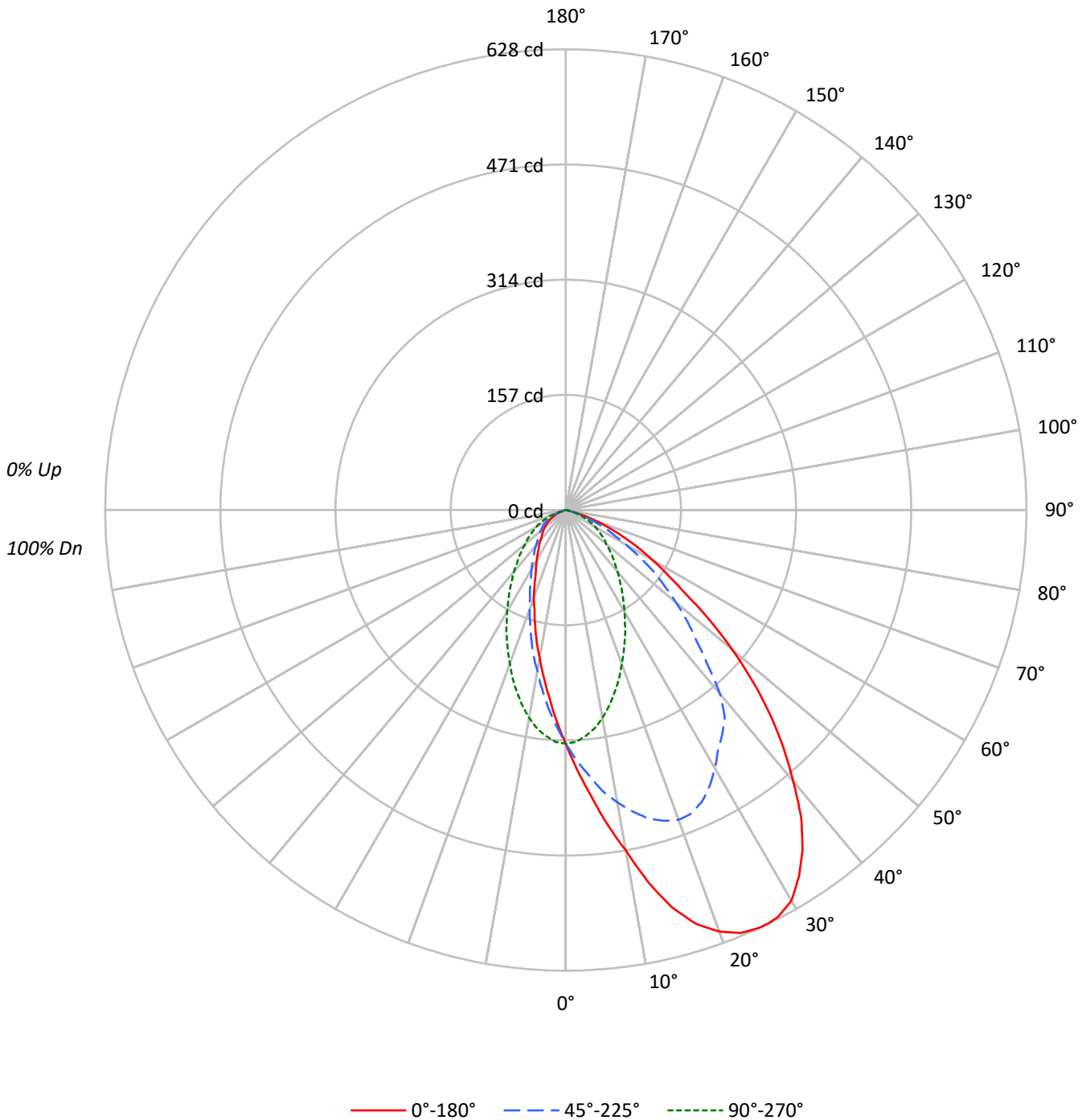
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 634.0 lumens
Efficiency: N/A
Efficacy: 31.1 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): 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	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°	69797	69797	69797	69797	69797
5°	85890	79947	68083	59762	56592
10°	104897	90090	64060	49654	45646
15°	127356	98797	58366	41226	36731
20°	142672	104892	52038	33580	29799
25°	151847	106167	46116	27848	23493
30°	155720	102902	40513	23675	20028
35°	150657	99635	35630	20211	17320
40°	137944	93690	31402	18005	15429
45°	122121	78055	27879	16715	13955
50°	101216	66863	24528	15351	12895
55°	76308	55702	22671	14451	11699
60°	59951	41795	20525	13420	10262
65°	44778	30769	17745	11207	8406
70°	28851	19619	12694	8078	4616
75°	12200	10675	6100	3050	1525
80°	2273	2273	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 122121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	4.8
10°-20°	86.9	13.7
20°-30°	127.1	20.0
30°-40°	138.4	21.8
40°-50°	119.8	18.9
50°-60°	80.3	12.7
60°-70°	41.5	6.5
70°-80°	9.8	1.5
80°-90°	0.1	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°	244.2	38.5
0°-40°	382.6	60.3
0°-60°	582.6	91.9
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	318	318	318	318	318	
5°	390	363	309	272	257	40
15°	561	435	257	182	162	159
25°	628	439	191	115	97	288
35°	563	372	133	76	65	349
45°	394	252	90	54	45	301
55°	200	146	59	38	31	185
65°	86	59	34	22	16	87
75°	14	13	7	4	2	19
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3
2.5°	354.2	352.4	352.4	348.8	345.3	341.7	336.3	330.9	325.5	320.1	316.5
5°	390.2	392.0	390.2	383.0	374.0	363.2	352.4	339.9	327.3	316.5	309.3
7.5°	431.6	431.6	426.2	417.2	404.6	386.6	368.6	347.1	327.3	309.3	300.3
10°	471.1	471.1	462.1	447.7	428.0	404.6	379.4	350.6	323.7	298.5	287.7
12.5°	519.7	517.9	507.1	483.7	454.9	420.8	386.6	350.6	318.3	287.7	273.3
15°	561.0	559.2	544.9	516.1	478.3	435.2	388.4	347.1	307.5	273.3	257.1
17.5°	591.6	588.0	571.8	541.3	498.1	444.2	390.2	339.9	294.9	257.1	241.0
20°	611.4	609.6	591.6	555.6	508.9	449.5	388.4	330.9	282.3	241.0	223.0
22.5°	624.0	620.4	602.4	562.8	508.9	447.7	381.2	318.3	266.1	224.8	206.8
25°	627.6	625.8	604.2	561.0	503.5	438.8	370.4	305.7	249.9	208.6	190.6
26°	627.6	625.8	604.2	559.2	499.9	433.4	365.0	300.3	244.6	201.4	185.2
27.5°	625.8	624.0	600.6	553.8	492.7	424.4	354.2	289.5	233.8	192.4	174.4
30°	615.0	611.4	588.0	541.3	476.5	406.4	336.3	273.3	217.6	176.2	160.0
32.5°	591.6	588.0	562.8	519.7	458.5	386.6	316.5	255.3	201.4	160.0	145.7
35°	562.8	559.2	534.1	492.7	433.4	372.2	294.9	235.6	183.4	147.5	133.1
37.5°	526.9	521.5	499.9	456.7	402.8	356.0	276.9	215.8	167.2	133.1	120.5
40°	481.9	480.1	460.3	420.8	366.8	327.3	266.1	215.8	152.8	120.5	109.7
42.5°	438.8	435.2	417.2	383.0	334.5	285.9	233.8	206.8	142.1	107.9	98.9
45°	393.8	390.2	374.0	345.3	300.3	251.7	215.7	178.0	122.3	98.9	89.9
47.5°	345.3	341.7	329.1	307.5	267.9	224.8	183.4	145.7	111.5	88.1	80.9
50°	296.7	298.5	287.7	266.1	235.6	196.0	158.2	122.3	95.3	79.1	71.9
52.5°	248.2	246.4	239.2	224.8	203.2	169.0	134.9	104.3	82.7	70.1	66.5
55°	199.6	201.4	197.8	188.8	170.8	145.7	113.3	89.9	73.7	62.9	59.3
57.5°	165.4	167.2	160.0	154.6	140.3	118.7	93.5	75.5	62.9	55.7	52.1
60°	136.7	138.5	133.1	125.9	115.1	95.3	75.5	62.9	55.7	50.3	46.8
62.5°	111.5	109.7	106.1	98.9	89.9	75.5	61.1	52.1	46.8	43.2	41.4
65°	86.3	86.3	82.7	77.3	70.1	59.3	48.6	43.2	39.6	36.0	34.2
67.5°	64.7	64.7	61.1	57.5	50.3	43.2	37.8	34.2	32.4	28.8	27.0
70°	45.0	45.0	43.2	41.4	36.0	30.6	28.8	25.2	23.4	21.6	19.8
72.5°	28.8	28.8	28.8	25.2	23.4	19.8	19.8	18.0	16.2	14.4	14.4
75°	14.4	16.2	14.4	14.4	12.6	12.6	10.8	10.8	9.0	9.0	7.2
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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°	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3	318.3
2.5°	312.9	307.5	303.9	298.5	294.9	291.3	289.5	287.7	287.7	287.7
5°	303.9	294.9	285.9	276.9	271.5	266.1	260.7	258.9	257.1	257.1
7.5°	293.1	278.7	266.1	255.3	246.4	241.0	235.6	232.0	230.2	230.2
10°	278.7	260.7	246.4	232.0	223.0	215.8	212.2	206.8	206.8	205.0
12.5°	262.5	241.0	224.8	212.2	203.2	194.2	188.8	185.2	183.4	183.4
15°	244.6	223.0	205.0	190.6	181.6	172.6	167.2	163.6	161.8	161.8
17.5°	226.6	203.2	185.2	170.8	161.8	152.8	147.5	143.9	143.9	142.1
20°	208.6	185.2	167.2	152.8	143.9	136.7	131.3	127.7	125.9	127.7
22.5°	192.4	169.0	151.0	138.5	127.7	120.5	115.1	113.3	111.5	111.5
25°	174.4	152.8	136.7	124.1	115.1	107.9	102.5	100.7	98.9	97.1
26°	169.0	147.5	131.3	118.7	109.7	102.5	98.9	95.3	93.5	93.5
27.5°	161.8	138.5	124.1	111.5	102.5	97.1	91.7	89.9	88.1	88.1
30°	145.7	125.9	111.5	100.7	93.5	86.3	82.7	80.9	79.1	79.1
32.5°	133.1	113.3	100.7	91.7	84.5	79.1	75.5	71.9	71.9	71.9
35°	120.5	102.5	91.7	82.7	75.5	70.1	68.3	66.5	64.7	64.7
37.5°	109.7	93.5	82.7	75.5	70.1	64.7	61.1	59.3	59.3	59.3
40°	98.9	86.3	75.5	68.3	62.9	59.3	55.7	53.9	53.9	53.9
42.5°	89.9	77.3	70.1	62.9	57.5	53.9	52.1	50.3	48.6	48.6
45°	82.7	71.9	62.9	57.5	53.9	50.3	46.8	45.0	45.0	45.0
47.5°	73.7	66.5	57.5	52.1	48.6	45.0	43.2	41.4	41.4	41.4
50°	68.3	61.1	53.9	48.6	45.0	41.4	39.6	37.8	37.8	37.8
52.5°	61.1	55.7	50.3	45.0	41.4	37.8	36.0	34.2	34.2	34.2
55°	55.7	50.3	45.0	41.4	37.8	34.2	32.4	30.6	30.6	30.6
57.5°	50.3	45.0	41.4	37.8	34.2	32.4	28.8	28.8	27.0	27.0
60°	45.0	39.6	36.0	34.2	30.6	28.8	25.2	23.4	23.4	23.4
62.5°	37.8	36.0	32.4	28.8	25.2	23.4	21.6	19.8	19.8	19.8
65°	32.4	30.6	27.0	23.4	21.6	19.8	18.0	16.2	16.2	16.2
67.5°	27.0	23.4	21.6	19.8	18.0	16.2	14.4	12.6	10.8	12.6
70°	19.8	18.0	16.2	14.4	12.6	10.8	9.0	9.0	7.2	7.2
72.5°	12.6	10.8	10.8	9.0	7.2	7.2	5.4	5.4	3.6	3.6
75°	7.2	7.2	5.4	5.4	3.6	3.6	1.8	1.8	1.8	1.8
77.5°	3.6	1.8	1.8	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)