

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: P3ART20R709024D010 E3LCWW1H

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709024D010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

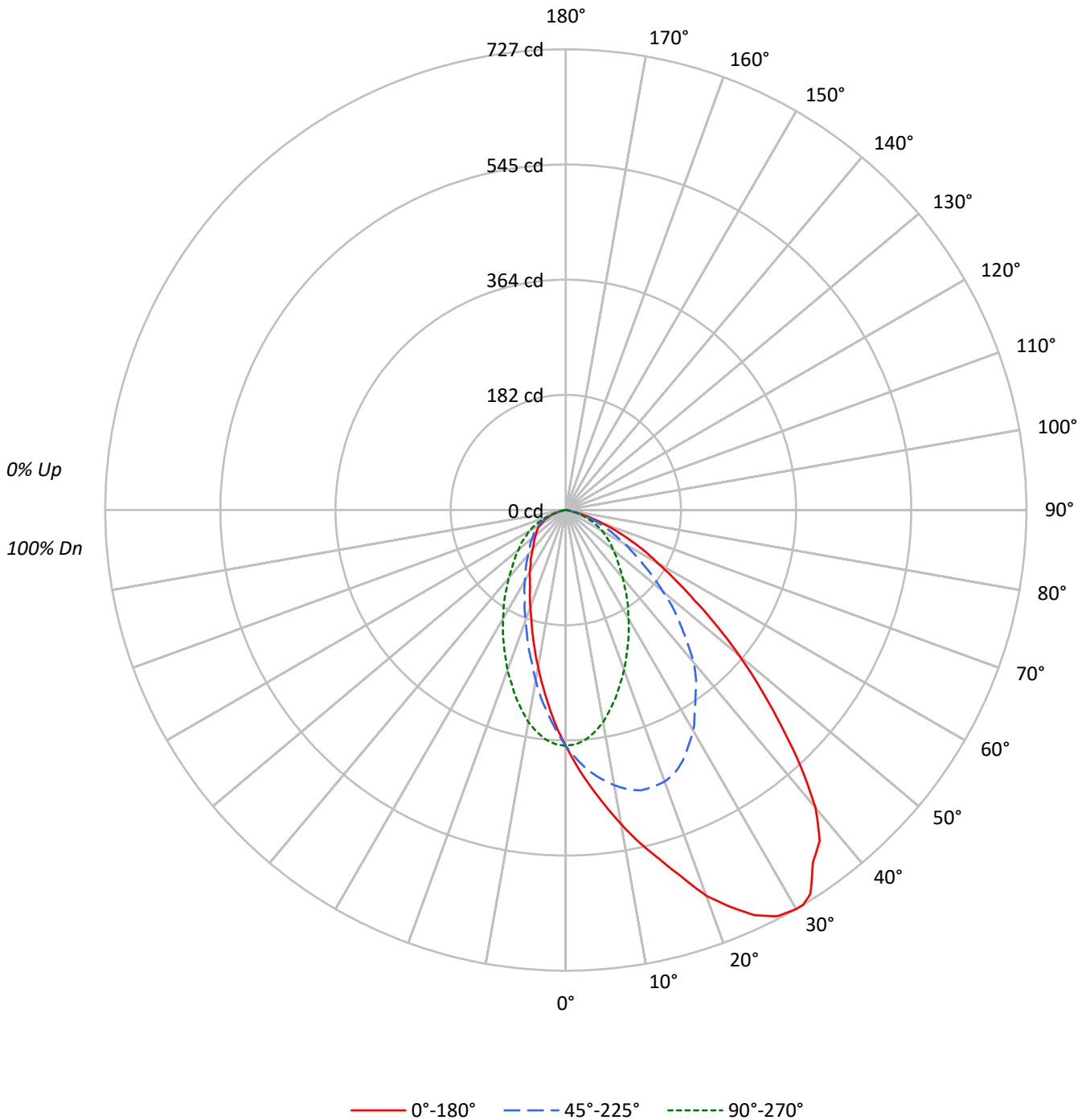
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76				76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66				66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51				51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46				46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41				41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34				34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	81594	81594	81594	81594	81594
5°	96104	90909	80013	71010	68171
10°	112067	98172	75661	60832	56022
15°	129399	103996	69331	51260	45903
20°	151073	106409	62749	43170	38153
25°	170695	105635	56205	36946	32276
30°	184079	101838	50109	32689	28865
35°	181950	95566	44919	29366	25913
40°	175472	89883	40018	26478	23387
45°	148729	79388	36004	24685	22018
50°	121787	68228	33022	23470	21287
55°	94544	56734	31234	23015	21371
60°	73591	47145	29252	22630	19823
65°	58009	39070	25684	21221	18990
70°	40007	28979	20709	17952	16541
75°	20079	16436	14572	12793	10929
80°	2778	5430	8208	5430	2778
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 148729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	4.6
10°-20°	96.9	12.8
20°-30°	142.9	18.9
30°-40°	160.2	21.2
40°-50°	140.8	18.6
50°-60°	100.8	13.3
60°-70°	59.7	7.9
70°-80°	20.0	2.6
80°-90°	1.0	0.1
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°	274.6	36.3
0°-40°	434.8	57.4
0°-60°	676.3	89.3
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	437	413	364	323	310	44
15°	570	458	305	226	202	164
25°	706	437	232	153	133	324
35°	680	357	168	110	97	427
45°	480	256	116	80	71	371
55°	247	148	82	60	56	226
65°	112	75	50	41	37	112
75°	24	19	17	15	13	29
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°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	404.4	404.4	404.4	400.1	400.1	393.6	389.3	382.9	378.5	372.1	369.9
5°	436.6	436.6	432.3	428.0	421.6	413.0	402.2	391.5	378.5	367.8	363.5
7.5°	468.9	471.0	464.6	456.0	443.1	428.0	413.0	395.8	376.4	361.3	352.7
10°	503.3	503.3	494.7	481.8	462.4	440.9	417.3	393.6	369.9	348.4	339.8
12.5°	537.7	535.6	524.8	505.4	481.8	451.7	419.4	389.3	361.3	335.5	322.6
15°	570.0	570.0	554.9	531.3	496.8	458.1	419.4	380.7	348.4	318.3	305.4
17.5°	606.5	606.5	587.2	550.6	507.6	458.1	413.0	369.9	333.4	301.1	286.1
20°	647.4	645.3	617.3	567.8	511.9	456.0	404.4	357.0	316.2	281.8	268.9
22.5°	677.5	675.4	643.1	582.9	514.1	449.5	389.3	339.8	299.0	264.6	249.5
25°	705.5	701.2	664.6	589.3	509.8	436.6	374.2	320.5	281.8	247.3	232.3
27.5°	722.7	720.5	679.7	587.2	499.0	419.4	354.9	303.3	262.4	228.0	215.1
30°	727.0	729.1	679.7	576.4	481.8	402.2	335.5	283.9	243.0	212.9	197.9
31°	727.0	729.1	675.4	570.0	475.3	393.6	326.9	277.5	234.4	204.3	191.4
32.5°	718.4	714.1	668.9	559.2	460.3	378.5	316.2	266.7	223.7	193.6	182.8
35°	679.7	681.8	647.4	535.6	438.8	357.0	294.7	245.2	204.3	178.5	167.8
37.5°	658.2	658.2	595.8	503.3	415.1	337.7	268.9	221.5	187.1	163.5	152.7
40°	613.0	606.5	548.5	468.9	387.2	314.0	253.8	206.5	172.1	148.4	139.8
42.5°	548.5	542.0	496.8	438.8	350.6	283.9	240.9	182.8	154.9	135.5	126.9
45°	479.6	475.3	440.9	387.2	316.2	256.0	208.6	167.8	142.0	122.6	116.1
47.5°	417.3	410.8	385.0	344.1	286.1	230.1	180.7	150.6	126.9	111.8	107.5
50°	357.0	354.9	333.4	301.1	253.8	200.0	159.2	133.4	116.1	103.2	96.8
52.5°	301.1	296.8	286.1	260.3	221.5	174.2	139.8	118.3	103.2	94.6	90.3
55°	247.3	247.3	236.6	219.4	189.3	148.4	122.6	105.4	92.5	86.0	81.7
57.5°	204.3	204.3	195.7	185.0	157.0	126.9	107.5	92.5	83.9	77.4	73.1
60°	167.8	167.8	161.3	150.6	131.2	107.5	92.5	81.7	75.3	68.8	66.7
62.5°	139.8	137.7	133.4	122.6	107.5	90.3	79.6	71.0	64.5	60.2	58.1
65°	111.8	109.7	105.4	96.8	86.0	75.3	66.7	60.2	55.9	51.6	49.5
67.5°	86.0	86.0	81.7	75.3	66.7	60.2	53.8	49.5	45.2	43.0	40.9
70°	62.4	62.4	60.2	55.9	49.5	45.2	40.9	38.7	36.6	34.4	32.3
72.5°	43.0	43.0	40.9	38.7	34.4	32.3	28.0	28.0	25.8	25.8	23.7
75°	23.7	23.7	23.7	21.5	21.5	19.4	19.4	19.4	17.2	17.2	17.2
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
80°	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	6.5	6.5	6.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
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°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	367.8	361.3	357.0	354.9	348.4	346.3	344.1	342.0	342.0	342.0
5°	359.2	348.4	337.7	331.2	322.6	318.3	314.0	311.9	309.7	309.7
7.5°	344.1	331.2	318.3	307.6	299.0	290.4	286.1	281.8	281.8	279.6
10°	329.1	311.9	296.8	281.8	273.2	262.4	258.1	253.8	251.6	251.6
12.5°	311.9	290.4	273.2	260.3	247.3	238.7	232.3	228.0	225.8	225.8
15°	292.5	271.0	251.6	238.7	225.8	215.1	208.6	204.3	202.2	202.2
17.5°	273.2	251.6	230.1	217.2	204.3	193.6	189.3	185.0	182.8	180.7
20°	256.0	230.1	212.9	195.7	185.0	176.4	169.9	165.6	163.5	163.5
22.5°	236.6	212.9	193.6	180.7	169.9	161.3	152.7	150.6	148.4	148.4
25°	217.2	195.7	178.5	165.6	152.7	146.3	139.8	135.5	135.5	133.4
27.5°	202.2	180.7	163.5	150.6	142.0	133.4	129.1	124.7	122.6	122.6
30°	185.0	165.6	150.6	139.8	129.1	122.6	118.3	114.0	114.0	114.0
31°	180.7	161.3	146.3	133.4	124.7	118.3	114.0	111.8	109.7	109.7
32.5°	169.9	152.7	137.7	126.9	118.3	111.8	107.5	105.4	105.4	103.2
35°	157.0	139.8	126.9	116.1	109.7	103.2	98.9	96.8	96.8	96.8
37.5°	144.1	129.1	116.1	107.5	101.1	94.6	92.5	88.2	88.2	88.2
40°	131.2	118.3	107.5	98.9	92.5	88.2	86.0	83.9	81.7	81.7
42.5°	120.4	107.5	98.9	92.5	86.0	81.7	79.6	77.4	77.4	75.3
45°	109.7	98.9	92.5	86.0	79.6	77.4	75.3	73.1	71.0	71.0
47.5°	101.1	92.5	83.9	79.6	75.3	71.0	68.8	68.8	66.7	66.7
50°	92.5	83.9	77.4	73.1	68.8	66.7	64.5	64.5	62.4	62.4
52.5°	86.0	77.4	73.1	68.8	64.5	62.4	60.2	60.2	58.1	58.1
55°	77.4	71.0	66.7	64.5	60.2	58.1	55.9	53.8	53.8	55.9
57.5°	71.0	66.7	62.4	60.2	55.9	53.8	51.6	51.6	49.5	51.6
60°	64.5	60.2	55.9	53.8	51.6	49.5	47.3	45.2	45.2	45.2
62.5°	58.1	53.8	51.6	47.3	45.2	45.2	43.0	43.0	43.0	40.9
65°	49.5	47.3	45.2	43.0	40.9	38.7	38.7	36.6	36.6	36.6
67.5°	40.9	38.7	36.6	36.6	34.4	32.3	32.3	32.3	32.3	30.1
70°	32.3	30.1	30.1	28.0	28.0	28.0	25.8	25.8	25.8	25.8
72.5°	23.7	23.7	21.5	21.5	21.5	21.5	19.4	19.4	19.4	19.4
75°	17.2	17.2	17.2	15.1	15.1	15.1	12.9	12.9	12.9	12.9
77.5°	10.8	10.8	10.8	10.8	10.8	8.6	8.6	8.6	8.6	8.6
80°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	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)