

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: P1446606

Luminaire Tested: P3ART17R709735DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446606
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: P3ART17R709735DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

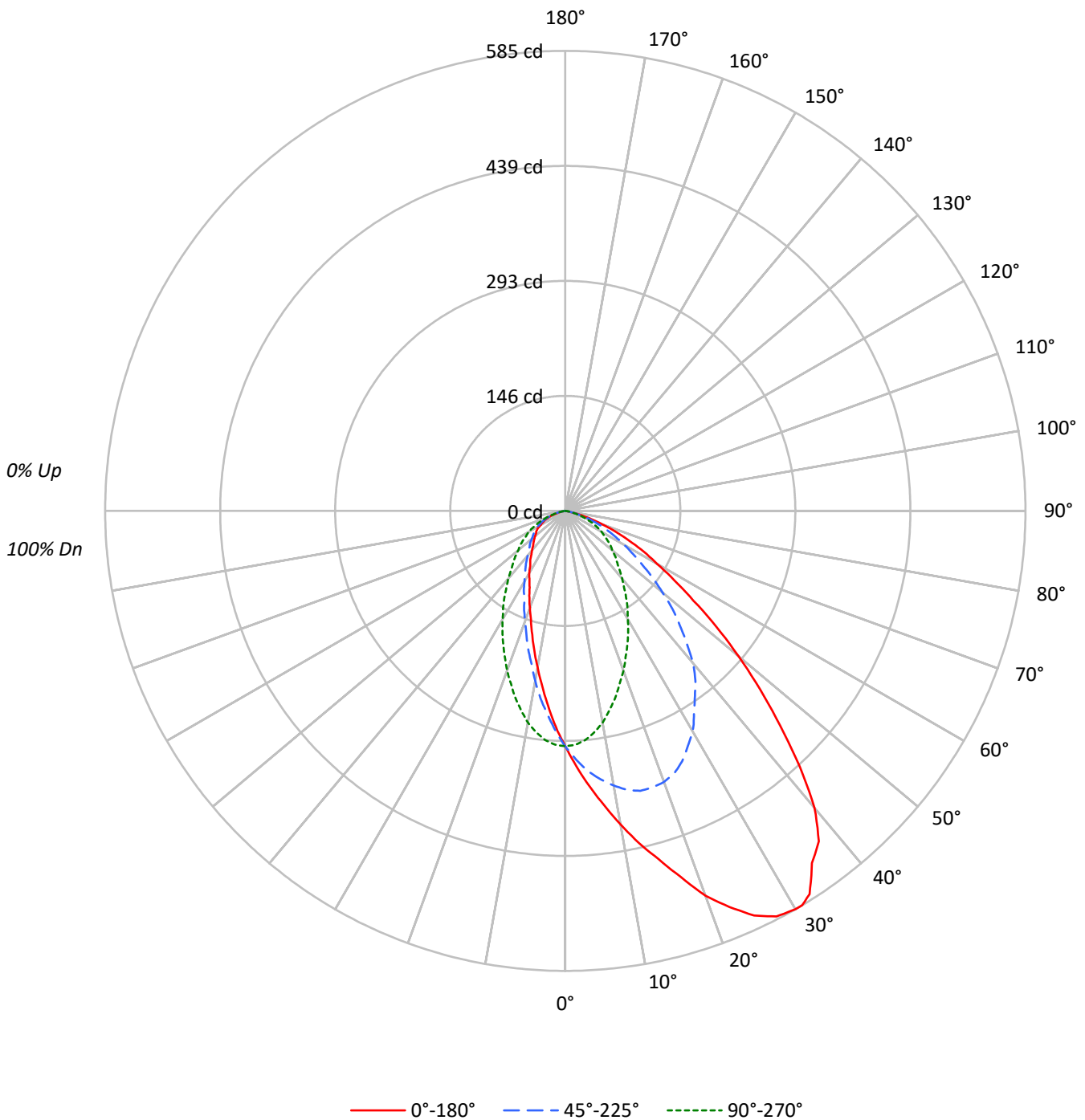
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 609.0 lumens
Efficiency: N/A
Efficacy: 28.7 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): 21.2
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	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	65631	65631	65631	65631	65631
5°	77328	73123	64363	57143	54853
10°	90156	78979	60876	48941	45067
15°	104087	83678	55778	41249	36936
20°	121531	85594	50474	34723	30686
25°	137331	84997	45220	29736	25961
30°	148099	81937	40310	26283	23219
35°	146374	76881	36138	23610	20853
40°	141150	72307	32203	21297	18835
45°	119671	63852	28964	19847	17707
50°	97975	54889	26575	18899	17125
55°	76079	45647	25156	18504	17204
60°	59206	37936	23507	18200	15920
65°	46698	31443	20651	17071	15255
70°	32185	23273	16669	14426	13336
75°	16097	13217	11692	10252	8811
80°	2147	4420	6566	4420	2147
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 119671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	4.6
10°-20°	78.0	12.8
20°-30°	114.9	18.9
30°-40°	128.9	21.2
40°-50°	113.3	18.6
50°-60°	81.1	13.3
60°-70°	48.0	7.9
70°-80°	16.1	2.6
80°-90°	0.8	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°	220.9	36.3
0°-40°	349.8	57.4
0°-60°	544.1	89.3
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	299	299	299	299	299	
5°	351	332	292	260	249	35
15°	458	369	246	182	163	132
25°	568	351	187	123	107	261
35°	547	287	135	88	78	343
45°	386	206	93	64	57	298
55°	199	119	66	48	45	182
65°	90	61	40	33	29	90
75°	19	16	14	12	10	23
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°	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3
2.5°	325.3	325.3	325.3	321.8	321.8	316.7	313.2	308.0	304.5	299.3	297.6
5°	351.3	351.3	347.8	344.3	339.1	332.2	323.6	314.9	304.5	295.9	292.4
7.5°	377.2	378.9	373.8	366.8	356.5	344.3	332.2	318.4	302.8	290.7	283.8
10°	404.9	404.9	398.0	387.6	372.0	354.7	335.7	316.7	297.6	280.3	273.4
12.5°	432.6	430.9	422.2	406.6	387.6	363.4	337.4	313.2	290.7	269.9	259.6
15°	458.5	458.5	446.4	427.4	399.7	368.6	337.4	306.3	280.3	256.1	245.7
17.5°	488.0	488.0	472.4	443.0	408.4	368.6	332.2	297.6	268.2	242.2	230.1
20°	520.8	519.1	496.6	456.8	411.8	366.8	325.3	287.2	254.4	226.7	216.3
22.5°	545.1	543.3	517.4	468.9	413.6	361.6	313.2	273.4	240.5	212.8	200.7
25°	567.6	564.1	534.7	474.1	410.1	351.3	301.1	257.8	226.7	199.0	186.9
27.5°	581.4	579.7	546.8	472.4	401.4	337.4	285.5	244.0	211.1	183.4	173.0
30°	584.9	586.6	546.8	463.7	387.6	323.6	269.9	228.4	195.5	171.3	159.2
31°	584.9	586.6	543.3	458.5	382.4	316.7	263.0	223.2	188.6	164.4	154.0
32.5°	577.9	574.5	538.1	449.9	370.3	304.5	254.4	214.6	180.0	155.7	147.1
35°	546.8	548.5	520.8	430.9	353.0	287.2	237.1	197.3	164.4	143.6	135.0
37.5°	529.5	529.5	479.3	404.9	334.0	271.7	216.3	178.2	150.5	131.5	122.9
40°	493.1	488.0	441.2	377.2	311.5	252.6	204.2	166.1	138.4	119.4	112.5
42.5°	441.2	436.0	399.7	353.0	282.0	228.4	193.8	147.1	124.6	109.0	102.1
45°	385.9	382.4	354.7	311.5	254.4	205.9	167.8	135.0	114.2	98.6	93.4
47.5°	335.7	330.5	309.7	276.9	230.1	185.1	145.3	121.1	102.1	90.0	86.5
50°	287.2	285.5	268.2	242.2	204.2	160.9	128.0	107.3	93.4	83.1	77.9
52.5°	242.2	238.8	230.1	209.4	178.2	140.2	112.5	95.2	83.1	76.1	72.7
55°	199.0	199.0	190.3	176.5	152.3	119.4	98.6	84.8	74.4	69.2	65.8
57.5°	164.4	164.4	157.5	148.8	126.3	102.1	86.5	74.4	67.5	62.3	58.8
60°	135.0	135.0	129.8	121.1	105.6	86.5	74.4	65.8	60.6	55.4	53.6
62.5°	112.5	110.7	107.3	98.6	86.5	72.7	64.0	57.1	51.9	48.4	46.7
65°	90.0	88.2	84.8	77.9	69.2	60.6	53.6	48.4	45.0	41.5	39.8
67.5°	69.2	69.2	65.8	60.6	53.6	48.4	43.3	39.8	36.3	34.6	32.9
70°	50.2	50.2	48.4	45.0	39.8	36.3	32.9	31.1	29.4	27.7	26.0
72.5°	34.6	34.6	32.9	31.1	27.7	26.0	22.5	22.5	20.8	20.8	19.0
75°	19.0	19.0	19.0	17.3	17.3	15.6	15.6	15.6	13.8	13.8	13.8
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	5.2	5.2	5.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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°	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3	299.3
2.5°	295.9	290.7	287.2	285.5	280.3	278.6	276.9	275.1	275.1	275.1
5°	289.0	280.3	271.7	266.5	259.6	256.1	252.6	250.9	249.2	249.2
7.5°	276.9	266.5	256.1	247.4	240.5	233.6	230.1	226.7	226.7	224.9
10°	264.7	250.9	238.8	226.7	219.8	211.1	207.6	204.2	202.4	202.4
12.5°	250.9	233.6	219.8	209.4	199.0	192.1	186.9	183.4	181.7	181.7
15°	235.3	218.0	202.4	192.1	181.7	173.0	167.8	164.4	162.7	162.7
17.5°	219.8	202.4	185.1	174.8	164.4	155.7	152.3	148.8	147.1	145.3
20°	205.9	185.1	171.3	157.5	148.8	141.9	136.7	133.2	131.5	131.5
22.5°	190.3	171.3	155.7	145.3	136.7	129.8	122.9	121.1	119.4	119.4
25°	174.8	157.5	143.6	133.2	122.9	117.7	112.5	109.0	109.0	107.3
27.5°	162.7	145.3	131.5	121.1	114.2	107.3	103.8	100.4	98.6	98.6
30°	148.8	133.2	121.1	112.5	103.8	98.6	95.2	91.7	91.7	91.7
31°	145.3	129.8	117.7	107.3	100.4	95.2	91.7	90.0	88.2	88.2
32.5°	136.7	122.9	110.7	102.1	95.2	90.0	86.5	84.8	84.8	83.1
35°	126.3	112.5	102.1	93.4	88.2	83.1	79.6	77.9	77.9	77.9
37.5°	115.9	103.8	93.4	86.5	81.3	76.1	74.4	70.9	70.9	70.9
40°	105.6	95.2	86.5	79.6	74.4	70.9	69.2	67.5	65.8	65.8
42.5°	96.9	86.5	79.6	74.4	69.2	65.8	64.0	62.3	62.3	60.6
45°	88.2	79.6	74.4	69.2	64.0	62.3	60.6	58.8	57.1	57.1
47.5°	81.3	74.4	67.5	64.0	60.6	57.1	55.4	55.4	53.6	53.6
50°	74.4	67.5	62.3	58.8	55.4	53.6	51.9	51.9	50.2	50.2
52.5°	69.2	62.3	58.8	55.4	51.9	50.2	48.4	48.4	46.7	46.7
55°	62.3	57.1	53.6	51.9	48.4	46.7	45.0	43.3	43.3	45.0
57.5°	57.1	53.6	50.2	48.4	45.0	43.3	41.5	41.5	39.8	41.5
60°	51.9	48.4	45.0	43.3	41.5	39.8	38.1	36.3	36.3	36.3
62.5°	46.7	43.3	41.5	38.1	36.3	36.3	34.6	34.6	34.6	32.9
65°	39.8	38.1	36.3	34.6	32.9	31.1	31.1	29.4	29.4	29.4
67.5°	32.9	31.1	29.4	29.4	27.7	26.0	26.0	26.0	26.0	24.2
70°	26.0	24.2	24.2	22.5	22.5	22.5	20.8	20.8	20.8	20.8
72.5°	19.0	19.0	17.3	17.3	17.3	17.3	15.6	15.6	15.6	15.6
75°	13.8	13.8	13.8	12.1	12.1	12.1	10.4	10.4	10.4	10.4
77.5°	8.7	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9	6.9
80°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	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)