

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: P1446478

Luminaire Tested: P3ART17R709730DE010 E3LCWW1WH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446478
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: P3ART17R709730DE010 E3LCWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

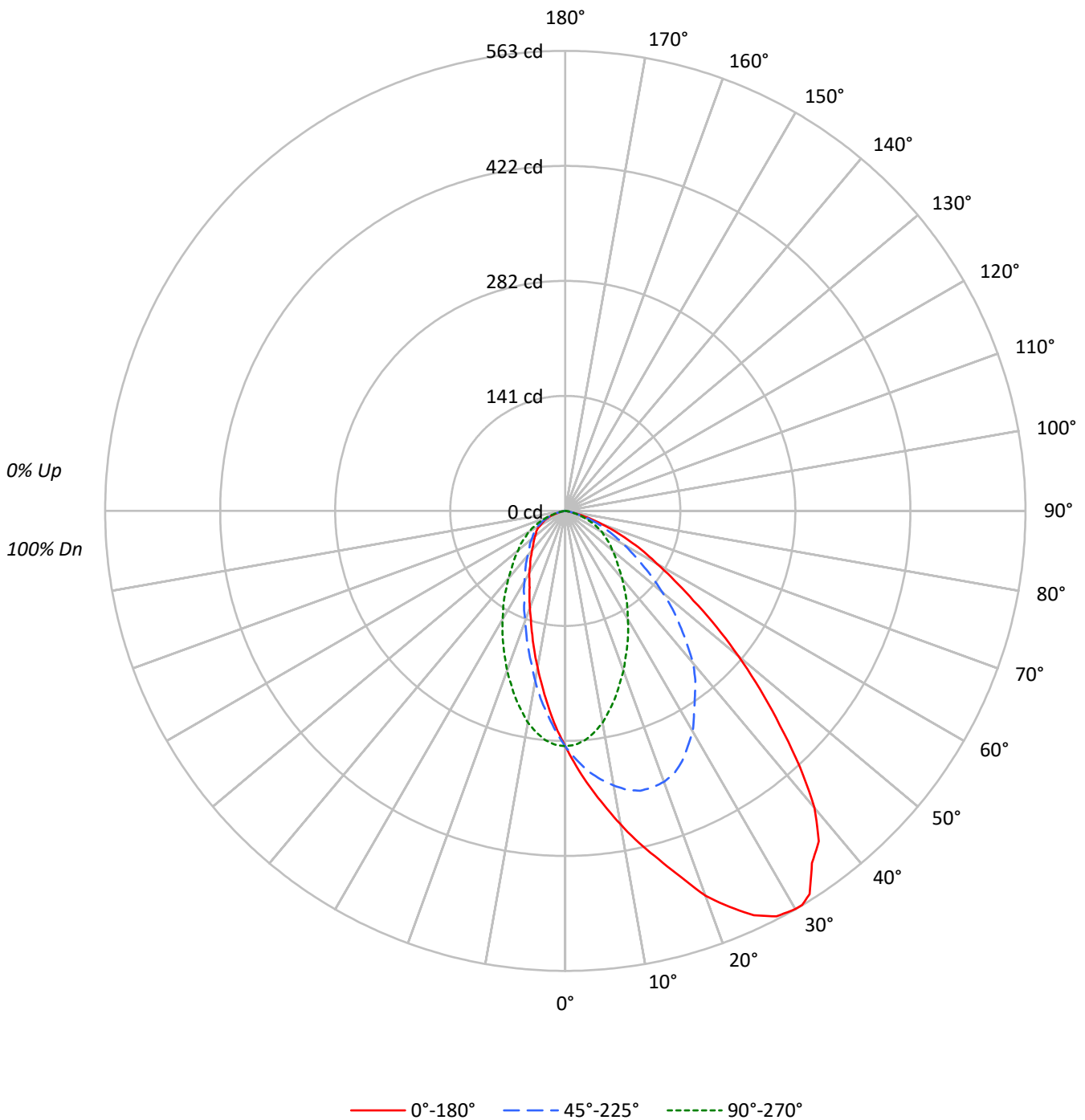
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 586.0 lumens
Efficiency: N/A
Efficacy: 27.6 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°	63153	63153	63153	63153	63153
5°	74400	70372	61941	54964	52784
10°	86750	75995	58583	47093	43375
15°	100159	80500	53667	39682	35528
20°	116957	82374	48561	33416	29519
25°	132129	81779	43503	28598	24969
30°	142503	78848	38791	25295	22333
35°	140833	73990	34773	22727	20050
40°	135826	69588	30972	20496	18120
45°	115144	61433	27879	19103	17025
50°	94291	52808	25551	18183	16477
55°	73211	43927	24200	17815	16554
60°	56969	36488	22630	17542	15350
65°	44933	30250	19872	16396	14684
70°	30967	22440	16028	13848	12823
75°	15504	12709	11268	9913	8472
80°	2147	4167	6314	4167	2147
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 115144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	4.6
10°-20°	75.0	12.8
20°-30°	110.6	18.9
30°-40°	124.0	21.2
40°-50°	109.0	18.6
50°-60°	78.0	13.3
60°-70°	46.2	7.9
70°-80°	15.5	2.6
80°-90°	0.7	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°	212.6	36.3
0°-40°	336.6	57.4
0°-60°	523.6	89.3
0°-90°	586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	288	288	288	288	288	
5°	338	320	281	250	240	34
15°	441	355	236	175	156	127
25°	546	338	180	118	103	251
35°	526	276	130	85	75	331
45°	371	198	90	62	55	287
55°	192	115	63	47	43	175
65°	87	58	38	32	28	86
75°	18	15	13	12	10	22
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	313.0	313.0	313.0	309.7	309.7	304.7	301.4	296.4	293.0	288.0	286.4
5°	338.0	338.0	334.7	331.3	326.3	319.7	311.4	303.0	293.0	284.7	281.4
7.5°	363.0	364.6	359.6	353.0	343.0	331.3	319.7	306.4	291.4	279.7	273.1
10°	389.6	389.6	382.9	373.0	358.0	341.3	323.0	304.7	286.4	269.7	263.1
12.5°	416.2	414.6	406.3	391.3	373.0	349.6	324.7	301.4	279.7	259.7	249.7
15°	441.2	441.2	429.6	411.3	384.6	354.6	324.7	294.7	269.7	246.4	236.4
17.5°	469.5	469.5	454.5	426.2	392.9	354.6	319.7	286.4	258.1	233.1	221.4
20°	501.2	499.5	477.9	439.6	396.3	353.0	313.0	276.4	244.8	218.1	208.1
22.5°	524.5	522.8	497.8	451.2	397.9	348.0	301.4	263.1	231.4	204.8	193.1
25°	546.1	542.8	514.5	456.2	394.6	338.0	289.7	248.1	218.1	191.5	179.8
27.5°	559.4	557.8	526.1	454.5	386.3	324.7	274.7	234.8	203.1	176.5	166.5
30°	562.8	564.4	526.1	446.2	373.0	311.4	259.7	219.8	188.1	164.8	153.2
31°	562.8	564.4	522.8	441.2	368.0	304.7	253.1	214.8	181.5	158.2	148.2
32.5°	556.1	552.8	517.8	432.9	356.3	293.0	244.8	206.5	173.2	149.8	141.5
35°	526.1	527.8	501.2	414.6	339.7	276.4	228.1	189.8	158.2	138.2	129.9
37.5°	509.5	509.5	461.2	389.6	321.3	261.4	208.1	171.5	144.9	126.5	118.2
40°	474.5	469.5	424.6	363.0	299.7	243.1	196.5	159.8	133.2	114.9	108.2
42.5°	424.6	419.6	384.6	339.7	271.4	219.8	186.5	141.5	119.9	104.9	98.2
45°	371.3	368.0	341.3	299.7	244.8	198.1	161.5	129.9	109.9	94.9	89.9
47.5°	323.0	318.0	298.0	266.4	221.4	178.2	139.9	116.5	98.2	86.6	83.2
50°	276.4	274.7	258.1	233.1	196.5	154.8	123.2	103.2	89.9	79.9	74.9
52.5°	233.1	229.8	221.4	201.5	171.5	134.9	108.2	91.6	79.9	73.3	69.9
55°	191.5	191.5	183.1	169.8	146.5	114.9	94.9	81.6	71.6	66.6	63.3
57.5°	158.2	158.2	151.5	143.2	121.5	98.2	83.2	71.6	64.9	59.9	56.6
60°	129.9	129.9	124.9	116.5	101.6	83.2	71.6	63.3	58.3	53.3	51.6
62.5°	108.2	106.6	103.2	94.9	83.2	69.9	61.6	54.9	49.9	46.6	45.0
65°	86.6	84.9	81.6	74.9	66.6	58.3	51.6	46.6	43.3	40.0	38.3
67.5°	66.6	66.6	63.3	58.3	51.6	46.6	41.6	38.3	35.0	33.3	31.6
70°	48.3	48.3	46.6	43.3	38.3	35.0	31.6	30.0	28.3	26.6	25.0
72.5°	33.3	33.3	31.6	30.0	26.6	25.0	21.6	21.6	20.0	20.0	18.3
75°	18.3	18.3	18.3	16.6	16.6	15.0	15.0	15.0	13.3	13.3	13.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3	5.0	5.0	5.0
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°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	284.7	279.7	276.4	274.7	269.7	268.1	266.4	264.7	264.7	264.7
5°	278.1	269.7	261.4	256.4	249.7	246.4	243.1	241.4	239.8	239.8
7.5°	266.4	256.4	246.4	238.1	231.4	224.8	221.4	218.1	218.1	216.4
10°	254.7	241.4	229.8	218.1	211.5	203.1	199.8	196.5	194.8	194.8
12.5°	241.4	224.8	211.5	201.5	191.5	184.8	179.8	176.5	174.8	174.8
15°	226.4	209.8	194.8	184.8	174.8	166.5	161.5	158.2	156.5	156.5
17.5°	211.5	194.8	178.2	168.2	158.2	149.8	146.5	143.2	141.5	139.9
20°	198.1	178.2	164.8	151.5	143.2	136.5	131.5	128.2	126.5	126.5
22.5°	183.1	164.8	149.8	139.9	131.5	124.9	118.2	116.5	114.9	114.9
25°	168.2	151.5	138.2	128.2	118.2	113.2	108.2	104.9	104.9	103.2
27.5°	156.5	139.9	126.5	116.5	109.9	103.2	99.9	96.6	94.9	94.9
30°	143.2	128.2	116.5	108.2	99.9	94.9	91.6	88.2	88.2	88.2
31°	139.9	124.9	113.2	103.2	96.6	91.6	88.2	86.6	84.9	84.9
32.5°	131.5	118.2	106.6	98.2	91.6	86.6	83.2	81.6	81.6	79.9
35°	121.5	108.2	98.2	89.9	84.9	79.9	76.6	74.9	74.9	74.9
37.5°	111.6	99.9	89.9	83.2	78.3	73.3	71.6	68.3	68.3	68.3
40°	101.6	91.6	83.2	76.6	71.6	68.3	66.6	64.9	63.3	63.3
42.5°	93.2	83.2	76.6	71.6	66.6	63.3	61.6	59.9	59.9	58.3
45°	84.9	76.6	71.6	66.6	61.6	59.9	58.3	56.6	54.9	54.9
47.5°	78.3	71.6	64.9	61.6	58.3	54.9	53.3	53.3	51.6	51.6
50°	71.6	64.9	59.9	56.6	53.3	51.6	49.9	49.9	48.3	48.3
52.5°	66.6	59.9	56.6	53.3	49.9	48.3	46.6	46.6	45.0	45.0
55°	59.9	54.9	51.6	49.9	46.6	45.0	43.3	41.6	41.6	43.3
57.5°	54.9	51.6	48.3	46.6	43.3	41.6	40.0	40.0	38.3	40.0
60°	49.9	46.6	43.3	41.6	40.0	38.3	36.6	35.0	35.0	35.0
62.5°	45.0	41.6	40.0	36.6	35.0	35.0	33.3	33.3	33.3	31.6
65°	38.3	36.6	35.0	33.3	31.6	30.0	30.0	28.3	28.3	28.3
67.5°	31.6	30.0	28.3	28.3	26.6	25.0	25.0	25.0	25.0	23.3
70°	25.0	23.3	23.3	21.6	21.6	21.6	20.0	20.0	20.0	20.0
72.5°	18.3	18.3	16.6	16.6	16.6	16.6	15.0	15.0	15.0	15.0
75°	13.3	13.3	13.3	11.7	11.7	11.7	10.0	10.0	10.0	10.0
77.5°	8.3	8.3	8.3	8.3	8.3	6.7	6.7	6.7	6.7	6.7
80°	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3	3.3	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)