

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: P1445930

Luminaire Tested: P3ART13R709035DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445930
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: P3ART13R709035DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

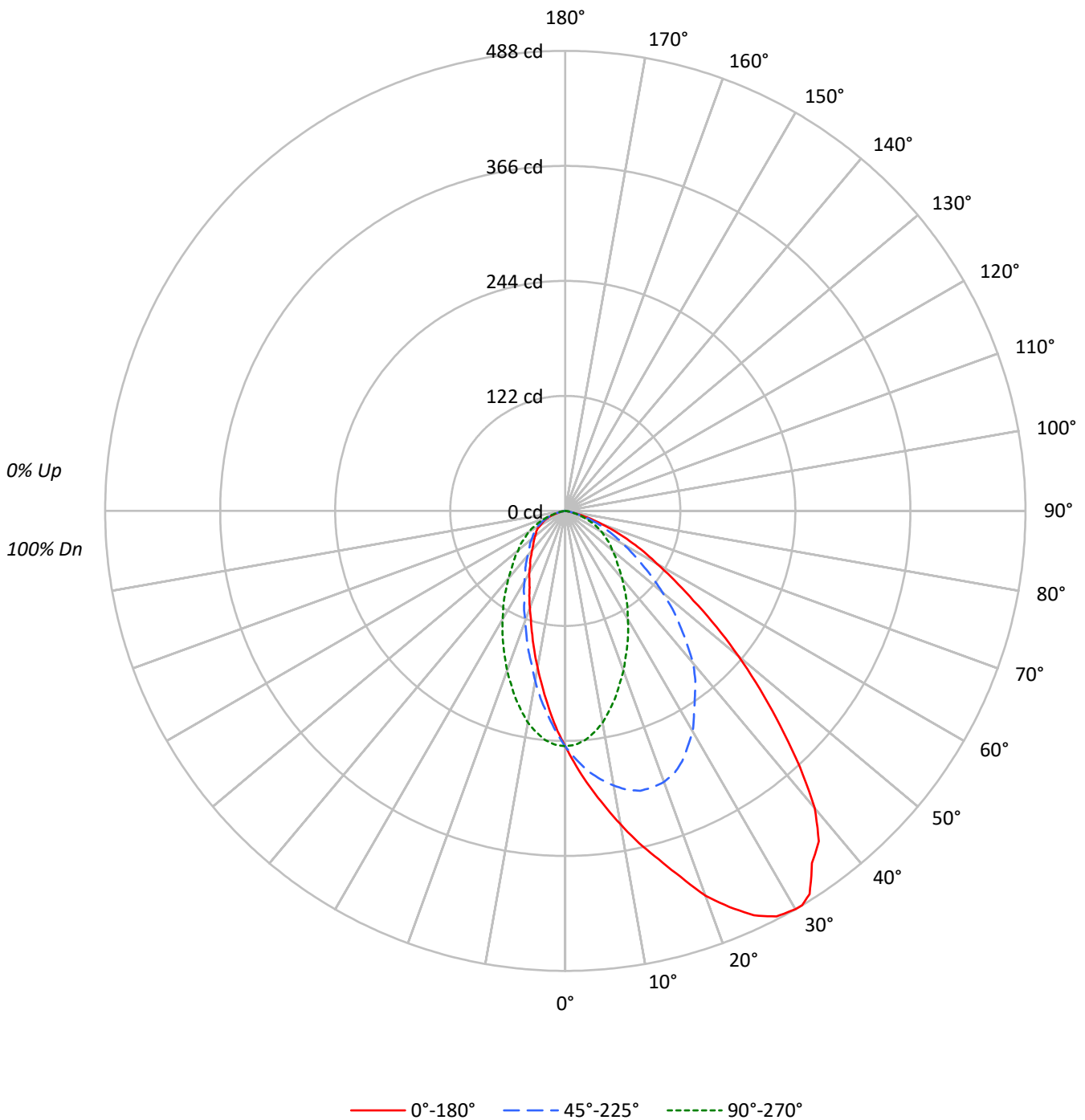
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 34.8 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): 14.6
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	
RW	70	50	30	10	70	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
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54754	54754	54754	54754	54754
5°	64495	60995	53687	47656	45741
10°	75193	65886	50790	40814	37608
15°	86834	69785	46538	34416	30806
20°	101392	71406	42097	28959	25599
25°	114539	70891	37720	24800	21654
30°	123538	68340	33625	21927	19370
35°	122094	64139	30142	19702	17400
40°	117763	60313	26850	17776	15687
45°	99824	53277	24158	16560	14761
50°	81737	45781	22174	15761	14294
55°	63462	38077	20950	15445	14336
60°	49382	31664	19604	15174	13288
65°	38967	26203	17226	14217	12712
70°	26864	19426	13913	12053	11092
75°	13471	11014	9743	8557	7371
80°	1768	3662	5430	3662	1768
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 99824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	4.6
10°-20°	65.0	12.8
20°-30°	95.9	18.9
30°-40°	107.5	21.2
40°-50°	94.5	18.6
50°-60°	67.6	13.3
60°-70°	40.1	7.9
70°-80°	13.4	2.6
80°-90°	0.6	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°	184.3	36.3
0°-40°	291.8	57.4
0°-60°	453.9	89.3
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	250	250	250	250	250	
5°	293	277	244	216	208	29
15°	382	307	205	152	136	110
25°	473	293	156	102	90	218
35°	456	240	113	74	65	287
45°	322	172	78	53	48	249
55°	166	100	55	40	38	152
65°	75	50	33	27	24	75
75°	16	13	12	10	9	19
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°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	271.4	271.4	271.4	268.5	268.5	264.1	261.3	256.9	254.0	249.7	248.3
5°	293.0	293.0	290.1	287.2	282.9	277.1	269.9	262.7	254.0	246.8	243.9
7.5°	314.7	316.1	311.8	306.0	297.3	287.2	277.1	265.6	252.6	242.5	236.7
10°	337.7	337.7	332.0	323.3	310.3	295.9	280.0	264.1	248.3	233.8	228.1
12.5°	360.8	359.4	352.2	339.2	323.3	303.1	281.5	261.3	242.5	225.2	216.5
15°	382.5	382.5	372.4	356.5	333.4	307.4	281.5	255.5	233.8	213.6	205.0
17.5°	407.0	407.0	394.0	369.5	340.6	307.4	277.1	248.3	223.7	202.1	192.0
20°	434.5	433.0	414.2	381.1	343.5	306.0	271.4	239.6	212.2	189.1	180.4
22.5°	454.7	453.2	431.6	391.2	345.0	301.7	261.3	228.1	200.6	177.5	167.4
25°	473.4	470.5	446.0	395.5	342.1	293.0	251.1	215.1	189.1	166.0	155.9
27.5°	485.0	483.5	456.1	394.0	334.9	281.5	238.2	203.5	176.1	153.0	144.3
30°	487.9	489.3	456.1	386.8	323.3	269.9	225.2	190.5	163.1	142.9	132.8
31°	487.9	489.3	453.2	382.5	319.0	264.1	219.4	186.2	157.3	137.1	128.5
32.5°	482.1	479.2	448.9	375.3	308.9	254.0	212.2	179.0	150.1	129.9	122.7
35°	456.1	457.5	434.5	359.4	294.4	239.6	197.7	164.5	137.1	119.8	112.6
37.5°	441.7	441.7	399.8	337.7	278.6	226.6	180.4	148.7	125.6	109.7	102.5
40°	411.4	407.0	368.1	314.7	259.8	210.7	170.3	138.6	115.5	99.6	93.8
42.5°	368.1	363.7	333.4	294.4	235.3	190.5	161.7	122.7	103.9	90.9	85.2
45°	321.9	319.0	295.9	259.8	212.2	171.8	140.0	112.6	95.3	82.3	77.9
47.5°	280.0	275.7	258.4	230.9	192.0	154.4	121.2	101.0	85.2	75.1	72.2
50°	239.6	238.2	223.7	202.1	170.3	134.2	106.8	89.5	77.9	69.3	65.0
52.5°	202.1	199.2	192.0	174.6	148.7	116.9	93.8	79.4	69.3	63.5	60.6
55°	166.0	166.0	158.8	147.2	127.0	99.6	82.3	70.7	62.1	57.7	54.8
57.5°	137.1	137.1	131.3	124.1	105.4	85.2	72.2	62.1	56.3	52.0	49.1
60°	112.6	112.6	108.3	101.0	88.0	72.2	62.1	54.8	50.5	46.2	44.7
62.5°	93.8	92.4	89.5	82.3	72.2	60.6	53.4	47.6	43.3	40.4	39.0
65°	75.1	73.6	70.7	65.0	57.7	50.5	44.7	40.4	37.5	34.6	33.2
67.5°	57.7	57.7	54.8	50.5	44.7	40.4	36.1	33.2	30.3	28.9	27.4
70°	41.9	41.9	40.4	37.5	33.2	30.3	27.4	26.0	24.5	23.1	21.7
72.5°	28.9	28.9	27.4	26.0	23.1	21.7	18.8	18.8	17.3	17.3	15.9
75°	15.9	15.9	15.9	14.4	14.4	13.0	13.0	13.0	11.5	11.5	11.5
77.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
80°	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9	4.3	4.3	4.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7	249.7
2.5°	246.8	242.5	239.6	238.2	233.8	232.4	230.9	229.5	229.5	229.5
5°	241.0	233.8	226.6	222.3	216.5	213.6	210.7	209.3	207.8	207.8
7.5°	230.9	222.3	213.6	206.4	200.6	194.9	192.0	189.1	189.1	187.6
10°	220.8	209.3	199.2	189.1	183.3	176.1	173.2	170.3	168.9	168.9
12.5°	209.3	194.9	183.3	174.6	166.0	160.2	155.9	153.0	151.6	151.6
15°	196.3	181.9	168.9	160.2	151.6	144.3	140.0	137.1	135.7	135.7
17.5°	183.3	168.9	154.4	145.8	137.1	129.9	127.0	124.1	122.7	121.2
20°	171.8	154.4	142.9	131.3	124.1	118.4	114.0	111.1	109.7	109.7
22.5°	158.8	142.9	129.9	121.2	114.0	108.3	102.5	101.0	99.6	99.6
25°	145.8	131.3	119.8	111.1	102.5	98.1	93.8	90.9	90.9	89.5
27.5°	135.7	121.2	109.7	101.0	95.3	89.5	86.6	83.7	82.3	82.3
30°	124.1	111.1	101.0	93.8	86.6	82.3	79.4	76.5	76.5	76.5
31°	121.2	108.3	98.1	89.5	83.7	79.4	76.5	75.1	73.6	73.6
32.5°	114.0	102.5	92.4	85.2	79.4	75.1	72.2	70.7	70.7	69.3
35°	105.4	93.8	85.2	77.9	73.6	69.3	66.4	65.0	65.0	65.0
37.5°	96.7	86.6	77.9	72.2	67.8	63.5	62.1	59.2	59.2	59.2
40°	88.0	79.4	72.2	66.4	62.1	59.2	57.7	56.3	54.8	54.8
42.5°	80.8	72.2	66.4	62.1	57.7	54.8	53.4	52.0	52.0	50.5
45°	73.6	66.4	62.1	57.7	53.4	52.0	50.5	49.1	47.6	47.6
47.5°	67.8	62.1	56.3	53.4	50.5	47.6	46.2	46.2	44.7	44.7
50°	62.1	56.3	52.0	49.1	46.2	44.7	43.3	43.3	41.9	41.9
52.5°	57.7	52.0	49.1	46.2	43.3	41.9	40.4	40.4	39.0	39.0
55°	52.0	47.6	44.7	43.3	40.4	39.0	37.5	36.1	36.1	37.5
57.5°	47.6	44.7	41.9	40.4	37.5	36.1	34.6	34.6	33.2	34.6
60°	43.3	40.4	37.5	36.1	34.6	33.2	31.8	30.3	30.3	30.3
62.5°	39.0	36.1	34.6	31.8	30.3	30.3	28.9	28.9	28.9	27.4
65°	33.2	31.8	30.3	28.9	27.4	26.0	26.0	24.5	24.5	24.5
67.5°	27.4	26.0	24.5	24.5	23.1	21.7	21.7	21.7	21.7	20.2
70°	21.7	20.2	20.2	18.8	18.8	18.8	17.3	17.3	17.3	17.3
72.5°	15.9	15.9	14.4	14.4	14.4	14.4	13.0	13.0	13.0	13.0
75°	11.5	11.5	11.5	10.1	10.1	10.1	8.7	8.7	8.7	8.7
77.5°	7.2	7.2	7.2	7.2	7.2	5.8	5.8	5.8	5.8	5.8
80°	4.3	4.3	4.3	4.3	2.9	2.9	2.9	2.9	2.9	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	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)