

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: P3ART13R709840DE010 E3CLSWW1MMS

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: P3ART13R709840DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

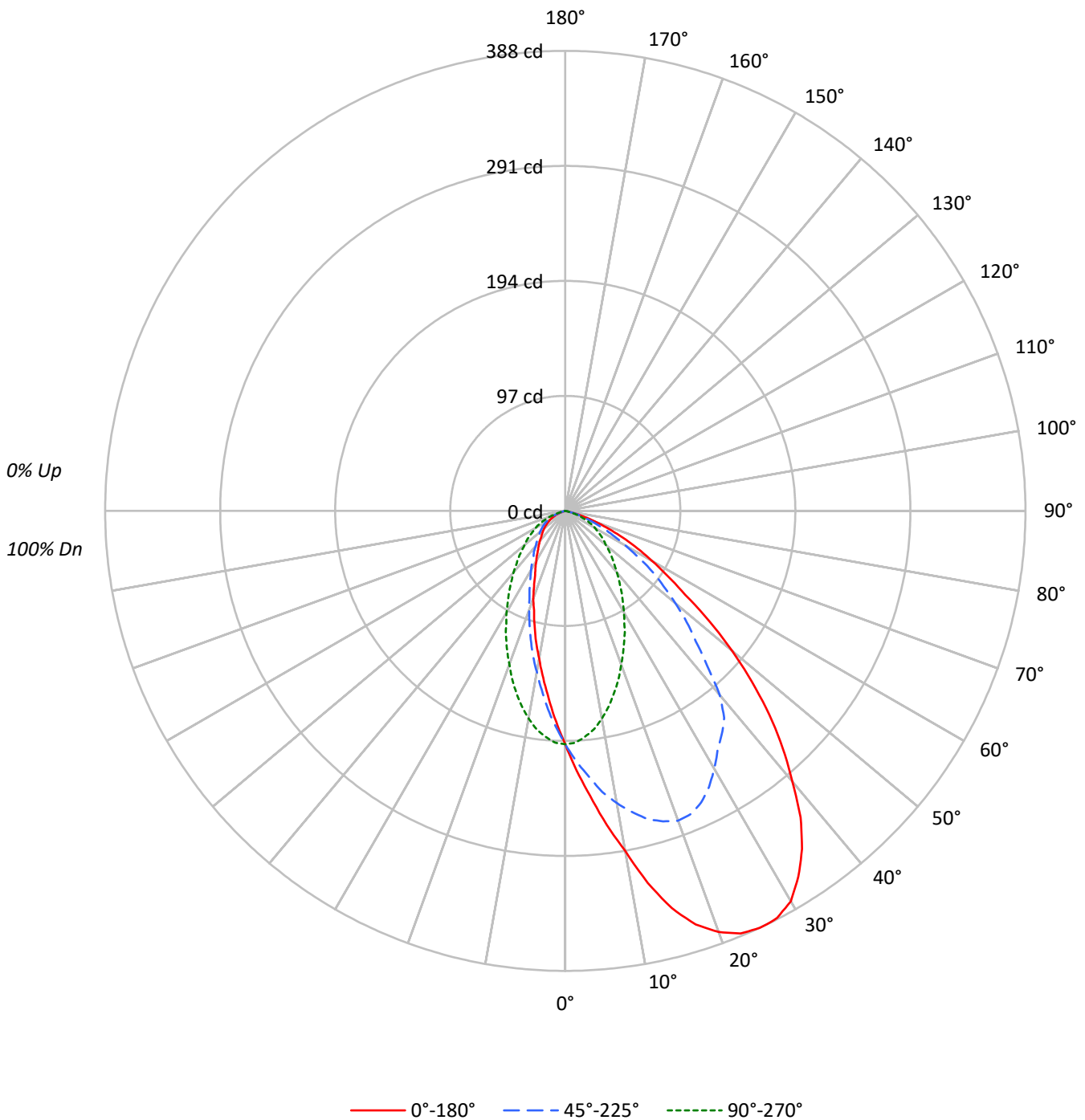
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 392.0 lumens
Efficiency: N/A
Efficacy: 27.0 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): 14.5
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43			43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39			39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43154	43154	43154	43154	43154
5°	53115	49439	42087	36958	34999
10°	64862	55710	39612	30705	28211
15°	78752	61090	36096	25494	22724
20°	88208	64872	32179	20745	18412
25°	93876	65641	28526	17227	14517
30°	96268	63630	25067	14635	12382
35°	93157	61596	22031	12501	10708
40°	85303	57937	19408	11135	9561
45°	75512	48284	17242	10358	8621
50°	62565	41346	15181	9484	7949
55°	47176	34446	14031	8908	7226
60°	37058	25831	12674	8289	6359
65°	27707	19042	10948	6901	5189
70°	17824	12117	7822	5001	2821
75°	7540	6608	3728	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	4.8
10°-20°	53.7	13.7
20°-30°	78.6	20.0
30°-40°	85.6	21.8
40°-50°	74.1	18.9
50°-60°	49.6	12.7
60°-70°	25.6	6.5
70°-80°	6.1	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°	151.0	38.5
0°-40°	236.6	60.3
0°-60°	360.2	91.9
0°-90°	392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	197	197	197	197	197	
5°	241	225	191	168	159	25
15°	347	269	159	112	100	98
25°	388	271	118	71	60	178
35°	348	230	82	47	40	216
45°	244	156	56	33	28	186
55°	123	90	37	23	19	114
65°	53	37	21	13	10	54
75°	9	8	4	2	1	12
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°	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8
2.5°	219.0	217.9	217.9	215.7	213.5	211.2	207.9	204.6	201.2	197.9	195.7
5°	241.3	242.4	241.3	236.8	231.3	224.6	217.9	210.1	202.4	195.7	191.2
7.5°	266.8	266.8	263.5	257.9	250.2	239.0	227.9	214.6	202.4	191.2	185.7
10°	291.3	291.3	285.7	276.8	264.6	250.2	234.6	216.8	200.1	184.6	177.9
12.5°	321.3	320.2	313.5	299.1	281.3	260.2	239.0	216.8	196.8	177.9	169.0
15°	346.9	345.8	336.9	319.1	295.7	269.1	240.2	214.6	190.1	169.0	159.0
17.5°	365.8	363.6	353.6	334.7	308.0	274.6	241.3	210.1	182.3	159.0	149.0
20°	378.0	376.9	365.8	343.6	314.6	278.0	240.2	204.6	174.6	149.0	137.9
22.5°	385.8	383.6	372.5	348.0	314.6	276.8	235.7	196.8	164.5	139.0	127.9
25°	388.0	386.9	373.6	346.9	311.3	271.3	229.0	189.0	154.5	129.0	117.9
26°	388.0	386.9	373.6	345.8	309.1	267.9	225.7	185.7	151.2	124.5	114.5
27.5°	386.9	385.8	371.3	342.4	304.6	262.4	219.0	179.0	144.5	119.0	107.8
30°	380.2	378.0	363.6	334.7	294.6	251.3	207.9	169.0	134.5	109.0	99.0
32.5°	365.8	363.6	348.0	321.3	283.5	239.0	195.7	157.9	124.5	99.0	90.1
35°	348.0	345.8	330.2	304.6	267.9	230.1	182.3	145.6	113.4	91.2	82.3
37.5°	325.8	322.4	309.1	282.4	249.0	220.1	171.2	133.4	103.4	82.3	74.5
40°	298.0	296.9	284.6	260.2	226.8	202.4	164.5	133.4	94.5	74.5	67.8
42.5°	271.3	269.1	257.9	236.8	206.8	176.8	144.5	127.9	87.8	66.7	61.1
45°	243.5	241.3	231.3	213.5	185.7	155.7	133.4	110.1	75.6	61.1	55.6
47.5°	213.5	211.2	203.5	190.1	165.7	139.0	113.4	90.1	68.9	54.5	50.0
50°	183.4	184.6	177.9	164.5	145.6	121.2	97.8	75.6	58.9	48.9	44.5
52.5°	153.4	152.3	147.9	139.0	125.6	104.5	83.4	64.5	51.1	43.4	41.1
55°	123.4	124.5	122.3	116.7	105.6	90.1	70.0	55.6	45.6	38.9	36.7
57.5°	102.3	103.4	99.0	95.6	86.7	73.4	57.8	46.7	38.9	34.5	32.2
60°	84.5	85.6	82.3	77.8	71.2	58.9	46.7	38.9	34.5	31.1	28.9
62.5°	68.9	67.8	65.6	61.1	55.6	46.7	37.8	32.2	28.9	26.7	25.6
65°	53.4	53.4	51.1	47.8	43.4	36.7	30.0	26.7	24.5	22.2	21.1
67.5°	40.0	40.0	37.8	35.6	31.1	26.7	23.3	21.1	20.0	17.8	16.7
70°	27.8	27.8	26.7	25.6	22.2	18.9	17.8	15.6	14.5	13.3	12.2
72.5°	17.8	17.8	17.8	15.6	14.5	12.2	12.2	11.1	10.0	8.9	8.9
75°	8.9	10.0	8.9	8.9	7.8	7.8	6.7	6.7	5.6	5.6	4.4
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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°	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8	196.8
2.5°	193.5	190.1	187.9	184.6	182.3	180.1	179.0	177.9	177.9	177.9
5°	187.9	182.3	176.8	171.2	167.9	164.5	161.2	160.1	159.0	159.0
7.5°	181.2	172.3	164.5	157.9	152.3	149.0	145.6	143.4	142.3	142.3
10°	172.3	161.2	152.3	143.4	137.9	133.4	131.2	127.9	127.9	126.7
12.5°	162.3	149.0	139.0	131.2	125.6	120.1	116.7	114.5	113.4	113.4
15°	151.2	137.9	126.7	117.9	112.3	106.7	103.4	101.2	100.1	100.1
17.5°	140.1	125.6	114.5	105.6	100.1	94.5	91.2	88.9	88.9	87.8
20°	129.0	114.5	103.4	94.5	88.9	84.5	81.2	78.9	77.8	78.9
22.5°	119.0	104.5	93.4	85.6	78.9	74.5	71.2	70.0	68.9	68.9
25°	107.8	94.5	84.5	76.7	71.2	66.7	63.4	62.3	61.1	60.0
26°	104.5	91.2	81.2	73.4	67.8	63.4	61.1	58.9	57.8	57.8
27.5°	100.1	85.6	76.7	68.9	63.4	60.0	56.7	55.6	54.5	54.5
30°	90.1	77.8	68.9	62.3	57.8	53.4	51.1	50.0	48.9	48.9
32.5°	82.3	70.0	62.3	56.7	52.3	48.9	46.7	44.5	44.5	44.5
35°	74.5	63.4	56.7	51.1	46.7	43.4	42.2	41.1	40.0	40.0
37.5°	67.8	57.8	51.1	46.7	43.4	40.0	37.8	36.7	36.7	36.7
40°	61.1	53.4	46.7	42.2	38.9	36.7	34.5	33.4	33.4	33.4
42.5°	55.6	47.8	43.4	38.9	35.6	33.4	32.2	31.1	30.0	30.0
45°	51.1	44.5	38.9	35.6	33.4	31.1	28.9	27.8	27.8	27.8
47.5°	45.6	41.1	35.6	32.2	30.0	27.8	26.7	25.6	25.6	25.6
50°	42.2	37.8	33.4	30.0	27.8	25.6	24.5	23.3	23.3	23.3
52.5°	37.8	34.5	31.1	27.8	25.6	23.3	22.2	21.1	21.1	21.1
55°	34.5	31.1	27.8	25.6	23.3	21.1	20.0	18.9	18.9	18.9
57.5°	31.1	27.8	25.6	23.3	21.1	20.0	17.8	17.8	16.7	16.7
60°	27.8	24.5	22.2	21.1	18.9	17.8	15.6	14.5	14.5	14.5
62.5°	23.3	22.2	20.0	17.8	15.6	14.5	13.3	12.2	12.2	12.2
65°	20.0	18.9	16.7	14.5	13.3	12.2	11.1	10.0	10.0	10.0
67.5°	16.7	14.5	13.3	12.2	11.1	10.0	8.9	7.8	6.7	7.8
70°	12.2	11.1	10.0	8.9	7.8	6.7	5.6	5.6	4.4	4.4
72.5°	7.8	6.7	6.7	5.6	4.4	4.4	3.3	3.3	2.2	2.2
75°	4.4	4.4	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	1.1	1.1	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)