

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: P1446687

Luminaire Tested: P3ART09R709735DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446687
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: P3ART09R709735DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

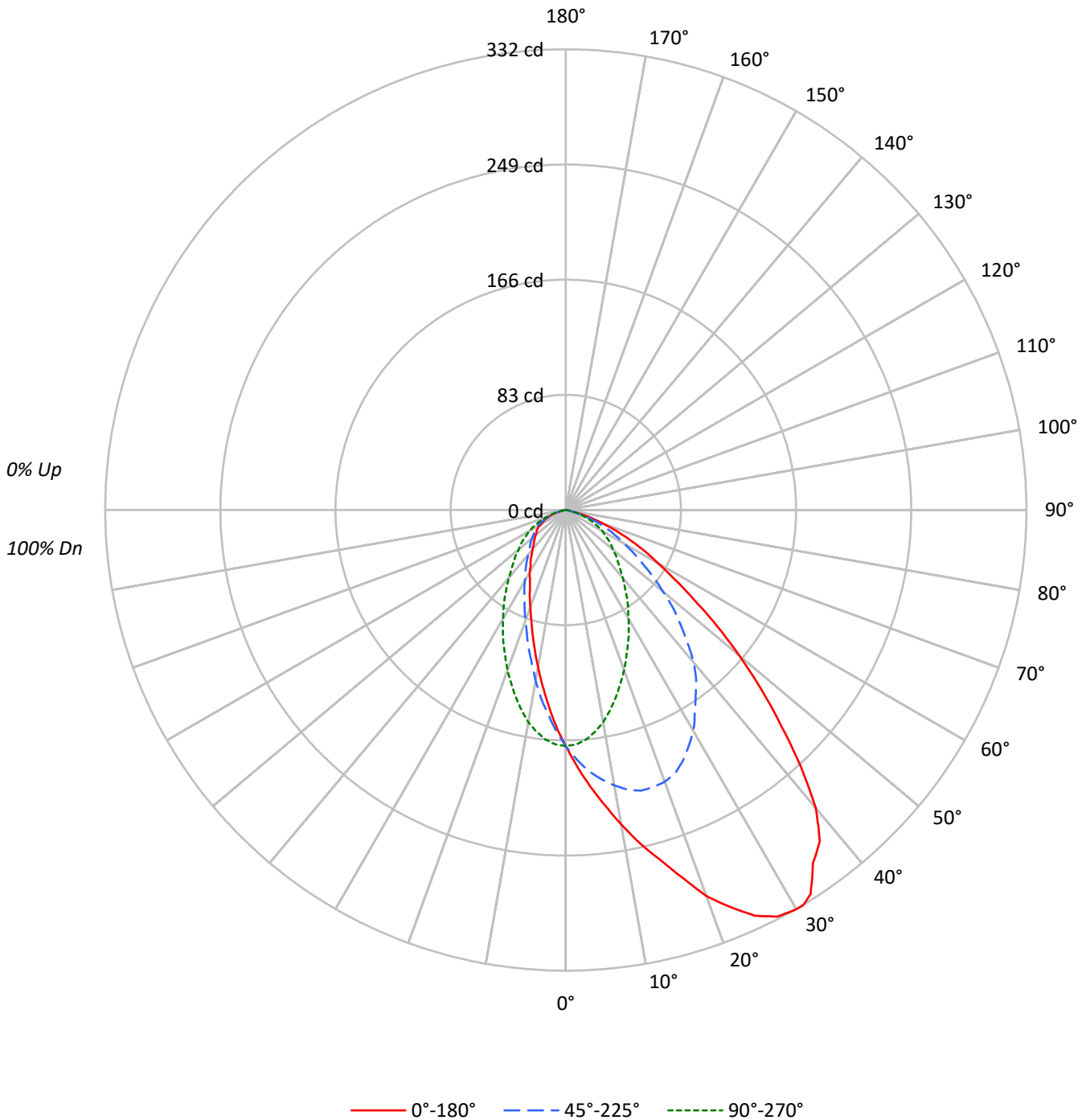
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 346.0 lumens
Efficiency: N/A
Efficacy: 31.2 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): 11.1
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	0
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°	37300	37300	37300	37300	37300
5°	43936	41558	36562	32467	31169
10°	51213	44867	34580	27811	25606
15°	59138	47537	31691	23428	20976
20°	69049	48631	28679	19718	17432
25°	78029	48293	25695	16888	14759
30°	84140	46539	22890	14939	13192
35°	83172	43687	20532	13411	11832
40°	80207	41077	18291	12108	10706
45°	67976	36283	16467	11288	10048
50°	55674	31180	15078	10746	9722
55°	43239	25920	14298	10513	9787
60°	33638	21577	13376	10350	9034
65°	26514	17849	11726	9703	8665
70°	18272	13207	9425	8207	7565
75°	9150	7456	6693	5846	4999
80°	1263	2526	3662	2526	1263
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	4.6
10°-20°	44.3	12.8
20°-30°	65.3	18.9
30°-40°	73.2	21.2
40°-50°	64.4	18.6
50°-60°	46.1	13.3
60°-70°	27.3	7.9
70°-80°	9.1	2.6
80°-90°	0.4	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°	125.5	36.3
0°-40°	198.7	57.4
0°-60°	309.1	89.3
0°-90°	346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	170	170	170	170	170	
5°	200	189	166	148	142	20
15°	260	209	140	103	92	75
25°	322	200	106	70	61	148
35°	311	163	77	50	44	195
45°	219	117	53	36	32	170
55°	113	68	37	28	26	103
65°	51	34	23	19	17	51
75°	11	9	8	7	6	13
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°	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1
2.5°	184.8	184.8	184.8	182.9	182.9	179.9	177.9	175.0	173.0	170.1	169.1
5°	199.6	199.6	197.6	195.6	192.7	188.8	183.8	178.9	173.0	168.1	166.1
7.5°	214.3	215.3	212.3	208.4	202.5	195.6	188.8	180.9	172.0	165.2	161.2
10°	230.0	230.0	226.1	220.2	211.4	201.5	190.7	179.9	169.1	159.3	155.3
12.5°	245.8	244.8	239.9	231.0	220.2	206.4	191.7	177.9	165.2	153.4	147.5
15°	260.5	260.5	253.6	242.8	227.1	209.4	191.7	174.0	159.3	145.5	139.6
17.5°	277.2	277.2	268.4	251.7	232.0	209.4	188.8	169.1	152.4	137.6	130.8
20°	295.9	294.9	282.1	259.5	234.0	208.4	184.8	163.2	144.5	128.8	122.9
22.5°	309.7	308.7	293.9	266.4	235.0	205.5	177.9	155.3	136.6	120.9	114.0
25°	322.5	320.5	303.8	269.4	233.0	199.6	171.1	146.5	128.8	113.1	106.2
27.5°	330.3	329.3	310.7	268.4	228.1	191.7	162.2	138.6	119.9	104.2	98.3
30°	332.3	333.3	310.7	263.5	220.2	183.8	153.4	129.8	111.1	97.3	90.4
31°	332.3	333.3	308.7	260.5	217.3	179.9	149.4	126.8	107.2	93.4	87.5
32.5°	328.3	326.4	305.7	255.6	210.4	173.0	144.5	121.9	102.2	88.5	83.6
35°	310.7	311.6	295.9	244.8	200.5	163.2	134.7	112.1	93.4	81.6	76.7
37.5°	300.8	300.8	272.3	230.0	189.7	154.3	122.9	101.3	85.5	74.7	69.8
40°	280.2	277.2	250.7	214.3	177.0	143.5	116.0	94.4	78.6	67.8	63.9
42.5°	250.7	247.7	227.1	200.5	160.2	129.8	110.1	83.6	70.8	61.9	58.0
45°	219.2	217.3	201.5	177.0	144.5	117.0	95.4	76.7	64.9	56.0	53.1
47.5°	190.7	187.8	176.0	157.3	130.8	105.2	82.6	68.8	58.0	51.1	49.2
50°	163.2	162.2	152.4	137.6	116.0	91.4	72.7	61.0	53.1	47.2	44.2
52.5°	137.6	135.7	130.8	119.0	101.3	79.6	63.9	54.1	47.2	43.3	41.3
55°	113.1	113.1	108.1	100.3	86.5	67.8	56.0	48.2	42.3	39.3	37.4
57.5°	93.4	93.4	89.5	84.5	71.8	58.0	49.2	42.3	38.3	35.4	33.4
60°	76.7	76.7	73.7	68.8	60.0	49.2	42.3	37.4	34.4	31.5	30.5
62.5°	63.9	62.9	61.0	56.0	49.2	41.3	36.4	32.4	29.5	27.5	26.5
65°	51.1	50.1	48.2	44.2	39.3	34.4	30.5	27.5	25.6	23.6	22.6
67.5°	39.3	39.3	37.4	34.4	30.5	27.5	24.6	22.6	20.6	19.7	18.7
70°	28.5	28.5	27.5	25.6	22.6	20.6	18.7	17.7	16.7	15.7	14.7
72.5°	19.7	19.7	18.7	17.7	15.7	14.7	12.8	12.8	11.8	11.8	10.8
75°	10.8	10.8	10.8	9.8	9.8	8.8	8.8	8.8	7.9	7.9	7.9
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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°	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1	170.1
2.5°	168.1	165.2	163.2	162.2	159.3	158.3	157.3	156.3	156.3	156.3
5°	164.2	159.3	154.3	151.4	147.5	145.5	143.5	142.5	141.6	141.6
7.5°	157.3	151.4	145.5	140.6	136.6	132.7	130.8	128.8	128.8	127.8
10°	150.4	142.5	135.7	128.8	124.9	119.9	118.0	116.0	115.0	115.0
12.5°	142.5	132.7	124.9	119.0	113.1	109.1	106.2	104.2	103.2	103.2
15°	133.7	123.9	115.0	109.1	103.2	98.3	95.4	93.4	92.4	92.4
17.5°	124.9	115.0	105.2	99.3	93.4	88.5	86.5	84.5	83.6	82.6
20°	117.0	105.2	97.3	89.5	84.5	80.6	77.7	75.7	74.7	74.7
22.5°	108.1	97.3	88.5	82.6	77.7	73.7	69.8	68.8	67.8	67.8
25°	99.3	89.5	81.6	75.7	69.8	66.8	63.9	61.9	61.9	61.0
27.5°	92.4	82.6	74.7	68.8	64.9	61.0	59.0	57.0	56.0	56.0
30°	84.5	75.7	68.8	63.9	59.0	56.0	54.1	52.1	52.1	52.1
31°	82.6	73.7	66.8	61.0	57.0	54.1	52.1	51.1	50.1	50.1
32.5°	77.7	69.8	62.9	58.0	54.1	51.1	49.2	48.2	48.2	47.2
35°	71.8	63.9	58.0	53.1	50.1	47.2	45.2	44.2	44.2	44.2
37.5°	65.9	59.0	53.1	49.2	46.2	43.3	42.3	40.3	40.3	40.3
40°	60.0	54.1	49.2	45.2	42.3	40.3	39.3	38.3	37.4	37.4
42.5°	55.1	49.2	45.2	42.3	39.3	37.4	36.4	35.4	35.4	34.4
45°	50.1	45.2	42.3	39.3	36.4	35.4	34.4	33.4	32.4	32.4
47.5°	46.2	42.3	38.3	36.4	34.4	32.4	31.5	31.5	30.5	30.5
50°	42.3	38.3	35.4	33.4	31.5	30.5	29.5	29.5	28.5	28.5
52.5°	39.3	35.4	33.4	31.5	29.5	28.5	27.5	27.5	26.5	26.5
55°	35.4	32.4	30.5	29.5	27.5	26.5	25.6	24.6	24.6	25.6
57.5°	32.4	30.5	28.5	27.5	25.6	24.6	23.6	23.6	22.6	23.6
60°	29.5	27.5	25.6	24.6	23.6	22.6	21.6	20.6	20.6	20.6
62.5°	26.5	24.6	23.6	21.6	20.6	20.6	19.7	19.7	19.7	18.7
65°	22.6	21.6	20.6	19.7	18.7	17.7	17.7	16.7	16.7	16.7
67.5°	18.7	17.7	16.7	16.7	15.7	14.7	14.7	14.7	14.7	13.8
70°	14.7	13.8	13.8	12.8	12.8	12.8	11.8	11.8	11.8	11.8
72.5°	10.8	10.8	9.8	9.8	9.8	9.8	8.8	8.8	8.8	8.8
75°	7.9	7.9	7.9	6.9	6.9	6.9	5.9	5.9	5.9	5.9
77.5°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
80°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	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)