

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: P1446814

Luminaire Tested: P3ART09R709740DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446814
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: P3ART09R709740DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

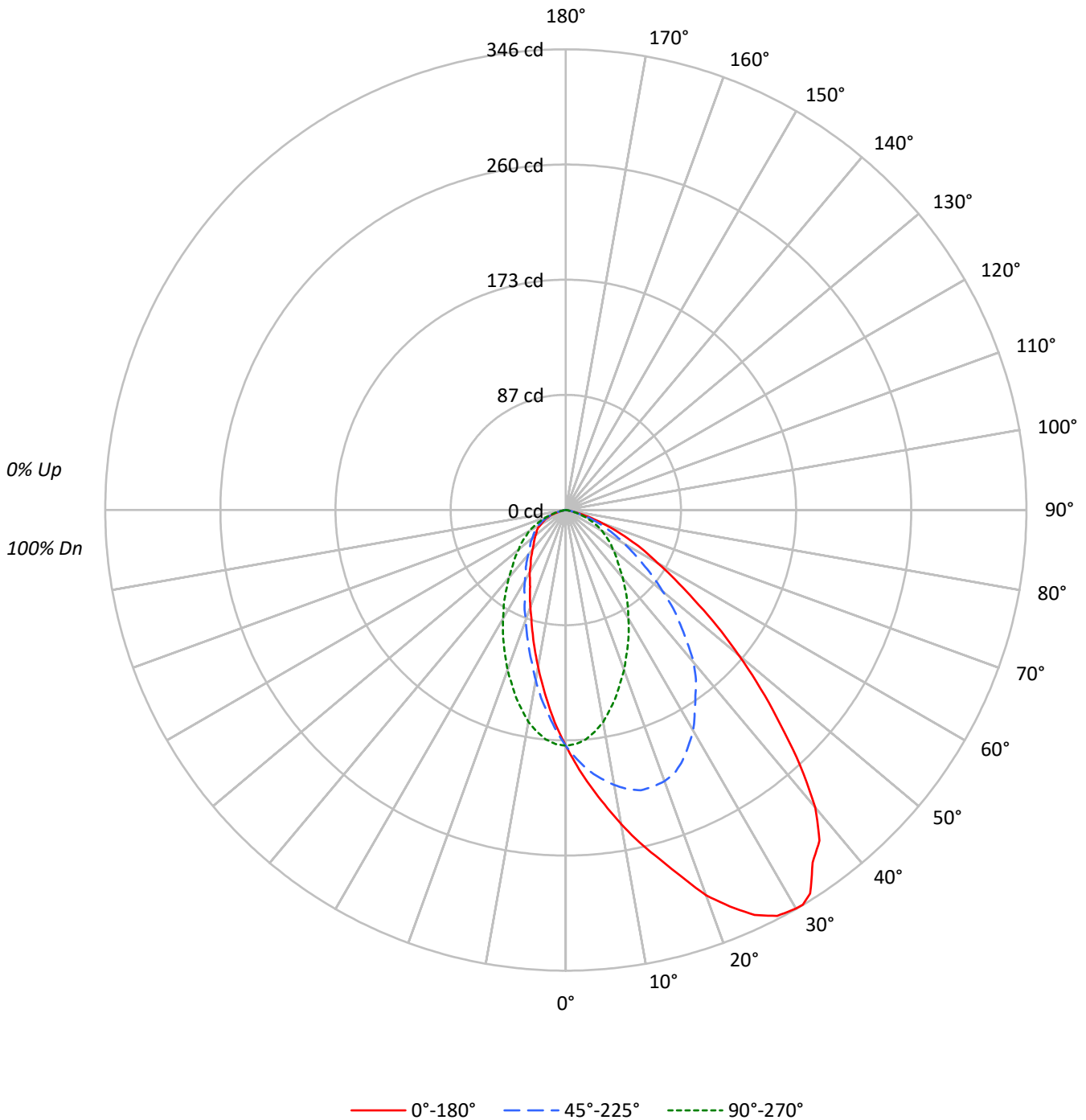
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 360.0 lumens
Efficiency: N/A
Efficacy: 32.4 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38813	38813	38813	38813	38813
5°	45697	43231	38058	33766	32423
10°	53283	46693	35982	28924	26653
15°	61544	49467	32963	24382	21816
20°	71850	50591	29846	20535	18132
25°	81174	50229	26735	17566	15340
30°	87532	48438	23826	15547	13724
35°	86518	45454	21362	13974	12314
40°	83442	42737	19036	12595	11135
45°	70736	37740	17118	11722	10482
50°	57926	32442	15692	11155	10132
55°	44959	26991	14872	10934	10169
60°	34997	22410	13902	10745	9429
65°	27603	18575	12193	10066	9028
70°	19042	13784	9809	8527	7886
75°	9574	7795	6947	6100	5168
80°	1263	2526	3915	2526	1263
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70736 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	4.6
10°-20°	46.1	12.8
20°-30°	67.9	18.9
30°-40°	76.2	21.2
40°-50°	67.0	18.6
50°-60°	47.9	13.3
60°-70°	28.4	7.9
70°-80°	9.5	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°	130.6	36.3
0°-40°	206.8	57.4
0°-60°	321.6	89.3
0°-90°	360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	360.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	177	177	177	177	177	
5°	208	196	173	153	147	21
15°	271	218	145	107	96	78
25°	336	208	110	73	63	154
35°	323	170	80	52	46	203
45°	228	122	55	38	34	176
55°	118	71	39	29	27	108
65°	53	36	24	19	17	53
75°	11	9	8	7	6	14
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°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	192.3	192.3	192.3	190.3	190.3	187.2	185.1	182.1	180.0	177.0	175.9
5°	207.6	207.6	205.6	203.5	200.5	196.4	191.3	186.2	180.0	174.9	172.9
7.5°	223.0	224.0	220.9	216.8	210.7	203.5	196.4	188.2	179.0	171.8	167.7
10°	239.3	239.3	235.3	229.1	219.9	209.7	198.4	187.2	175.9	165.7	161.6
12.5°	255.7	254.7	249.6	240.4	229.1	214.8	199.5	185.1	171.8	159.6	153.4
15°	271.1	271.1	263.9	252.6	236.3	217.9	199.5	181.0	165.7	151.4	145.2
17.5°	288.4	288.4	279.2	261.9	241.4	217.9	196.4	175.9	158.5	143.2	136.0
20°	307.9	306.9	293.6	270.0	243.4	216.8	192.3	169.8	150.4	134.0	127.9
22.5°	322.2	321.2	305.8	277.2	244.5	213.8	185.1	161.6	142.2	125.8	118.7
25°	335.5	333.5	316.1	280.3	242.4	207.6	178.0	152.4	134.0	117.6	110.5
27.5°	343.7	342.7	323.2	279.2	237.3	199.5	168.8	144.2	124.8	108.4	102.3
30°	345.7	346.8	323.2	274.1	229.1	191.3	159.6	135.0	115.6	101.3	94.1
31°	345.7	346.8	321.2	271.1	226.1	187.2	155.5	131.9	111.5	97.2	91.0
32.5°	341.6	339.6	318.1	265.9	218.9	180.0	150.4	126.8	106.4	92.1	86.9
35°	323.2	324.2	307.9	254.7	208.7	169.8	140.1	116.6	97.2	84.9	79.8
37.5°	313.0	313.0	283.3	239.3	197.4	160.6	127.9	105.4	89.0	77.7	72.6
40°	291.5	288.4	260.8	223.0	184.1	149.3	120.7	98.2	81.8	70.6	66.5
42.5°	260.8	257.8	236.3	208.7	166.7	135.0	114.6	86.9	73.6	64.4	60.3
45°	228.1	226.1	209.7	184.1	150.4	121.7	99.2	79.8	67.5	58.3	55.2
47.5°	198.4	195.4	183.1	163.7	136.0	109.4	85.9	71.6	60.3	53.2	51.1
50°	169.8	168.8	158.5	143.2	120.7	95.1	75.7	63.4	55.2	49.1	46.0
52.5°	143.2	141.2	136.0	123.8	105.4	82.9	66.5	56.3	49.1	45.0	43.0
55°	117.6	117.6	112.5	104.3	90.0	70.6	58.3	50.1	44.0	40.9	38.9
57.5°	97.2	97.2	93.1	88.0	74.7	60.3	51.1	44.0	39.9	36.8	34.8
60°	79.8	79.8	76.7	71.6	62.4	51.1	44.0	38.9	35.8	32.7	31.7
62.5°	66.5	65.5	63.4	58.3	51.1	43.0	37.8	33.8	30.7	28.6	27.6
65°	53.2	52.2	50.1	46.0	40.9	35.8	31.7	28.6	26.6	24.5	23.5
67.5°	40.9	40.9	38.9	35.8	31.7	28.6	25.6	23.5	21.5	20.5	19.4
70°	29.7	29.7	28.6	26.6	23.5	21.5	19.4	18.4	17.4	16.4	15.3
72.5°	20.5	20.5	19.4	18.4	16.4	15.3	13.3	13.3	12.3	12.3	11.3
75°	11.3	11.3	11.3	10.2	10.2	9.2	9.2	9.2	8.2	8.2	8.2
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1
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°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	174.9	171.8	169.8	168.8	165.7	164.7	163.7	162.6	162.6	162.6
5°	170.8	165.7	160.6	157.5	153.4	151.4	149.3	148.3	147.3	147.3
7.5°	163.7	157.5	151.4	146.3	142.2	138.1	136.0	134.0	134.0	133.0
10°	156.5	148.3	141.2	134.0	129.9	124.8	122.7	120.7	119.7	119.7
12.5°	148.3	138.1	129.9	123.8	117.6	113.5	110.5	108.4	107.4	107.4
15°	139.1	128.9	119.7	113.5	107.4	102.3	99.2	97.2	96.1	96.1
17.5°	129.9	119.7	109.4	103.3	97.2	92.1	90.0	88.0	86.9	85.9
20°	121.7	109.4	101.3	93.1	88.0	83.9	80.8	78.8	77.7	77.7
22.5°	112.5	101.3	92.1	85.9	80.8	76.7	72.6	71.6	70.6	70.6
25°	103.3	93.1	84.9	78.8	72.6	69.6	66.5	64.4	64.4	63.4
27.5°	96.1	85.9	77.7	71.6	67.5	63.4	61.4	59.3	58.3	58.3
30°	88.0	78.8	71.6	66.5	61.4	58.3	56.3	54.2	54.2	54.2
31°	85.9	76.7	69.6	63.4	59.3	56.3	54.2	53.2	52.2	52.2
32.5°	80.8	72.6	65.5	60.3	56.3	53.2	51.1	50.1	50.1	49.1
35°	74.7	66.5	60.3	55.2	52.2	49.1	47.1	46.0	46.0	46.0
37.5°	68.5	61.4	55.2	51.1	48.1	45.0	44.0	41.9	41.9	41.9
40°	62.4	56.3	51.1	47.1	44.0	41.9	40.9	39.9	38.9	38.9
42.5°	57.3	51.1	47.1	44.0	40.9	38.9	37.8	36.8	36.8	35.8
45°	52.2	47.1	44.0	40.9	37.8	36.8	35.8	34.8	33.8	33.8
47.5°	48.1	44.0	39.9	37.8	35.8	33.8	32.7	32.7	31.7	31.7
50°	44.0	39.9	36.8	34.8	32.7	31.7	30.7	30.7	29.7	29.7
52.5°	40.9	36.8	34.8	32.7	30.7	29.7	28.6	28.6	27.6	27.6
55°	36.8	33.8	31.7	30.7	28.6	27.6	26.6	25.6	25.6	26.6
57.5°	33.8	31.7	29.7	28.6	26.6	25.6	24.5	24.5	23.5	24.5
60°	30.7	28.6	26.6	25.6	24.5	23.5	22.5	21.5	21.5	21.5
62.5°	27.6	25.6	24.5	22.5	21.5	21.5	20.5	20.5	20.5	19.4
65°	23.5	22.5	21.5	20.5	19.4	18.4	18.4	17.4	17.4	17.4
67.5°	19.4	18.4	17.4	17.4	16.4	15.3	15.3	15.3	15.3	14.3
70°	15.3	14.3	14.3	13.3	13.3	13.3	12.3	12.3	12.3	12.3
72.5°	11.3	11.3	10.2	10.2	10.2	10.2	9.2	9.2	9.2	9.2
75°	8.2	8.2	8.2	7.2	7.2	7.2	6.1	6.1	6.1	6.1
77.5°	5.1	5.1	5.1	5.1	5.1	4.1	4.1	4.1	4.1	4.1
80°	3.1	3.1	3.1	3.1	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)