

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: P1446006

Luminaire Tested: P3ART05R709035DE010 E3LCWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446006
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: P3ART05R709035DE010 E3LCWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1B TRIM
Light Source: -
Ballast/Driver: -

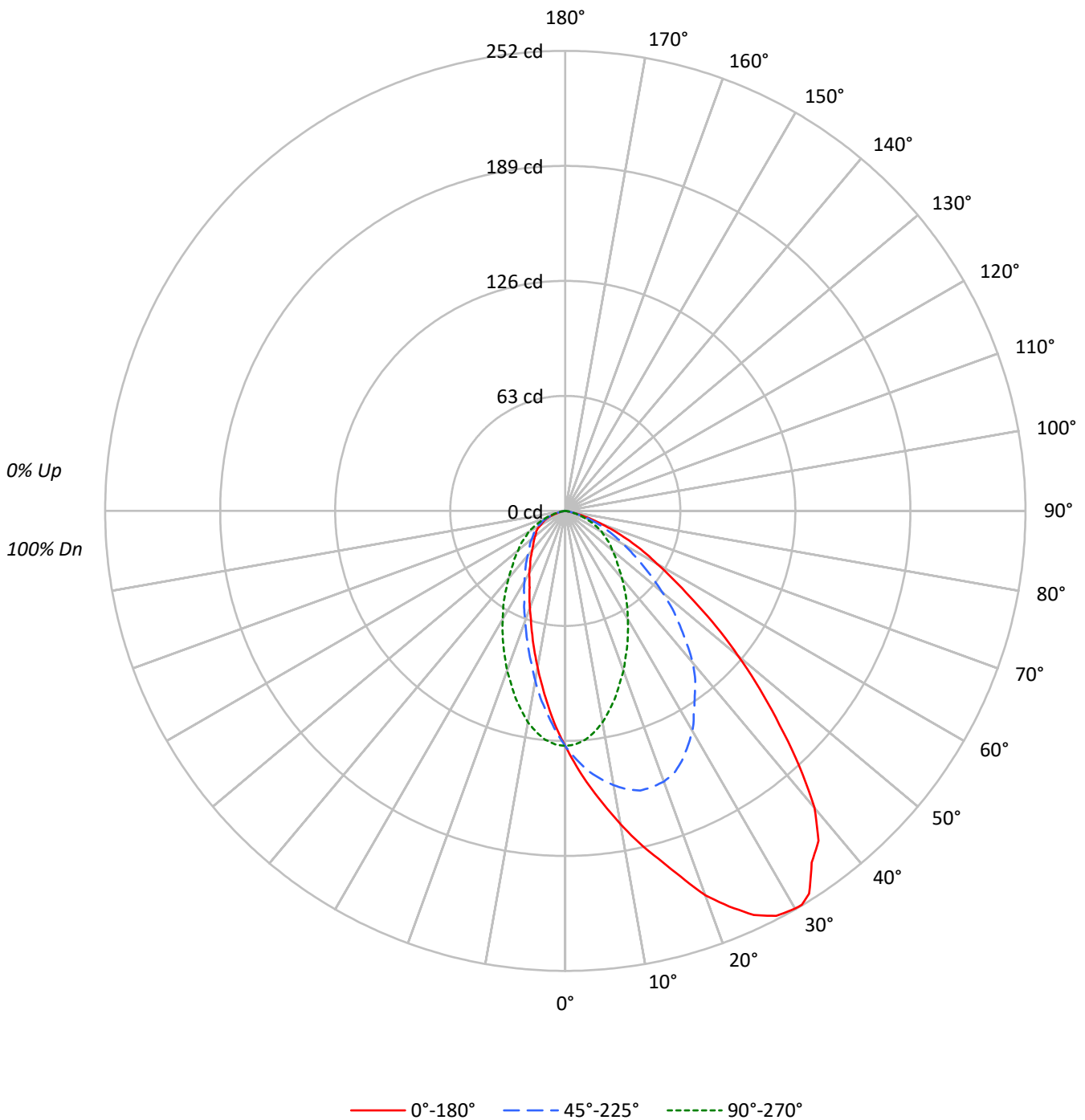
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 36.4 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): 7.2
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	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°	28243	28243	28243	28243	28243
5°	33260	31455	27691	24587	23597
10°	38788	33978	26185	21042	19394
15°	44790	36005	23996	17753	15891
20°	52295	36823	21725	14935	13208
25°	59084	36559	19453	12799	11178
30°	63706	35246	17344	11318	10002
35°	62961	33087	15553	10172	8968
40°	60742	31115	13855	9160	8101
45°	51478	27476	12466	8528	7629
50°	42165	23607	11428	8119	7369
55°	32725	19650	10819	7952	7417
60°	25480	16314	10131	7850	6842
65°	20080	13542	8873	7316	6590
70°	13848	10002	7181	6219	5706
75°	6947	5676	5083	4406	3813
80°	884	1894	2778	1894	884
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51478 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	4.6
10°-20°	33.5	12.8
20°-30°	49.4	18.9
30°-40°	55.4	21.2
40°-50°	48.7	18.6
50°-60°	34.9	13.3
60°-70°	20.7	7.9
70°-80°	6.9	2.6
80°-90°	0.3	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°	95.0	36.3
0°-40°	150.5	57.4
0°-60°	234.1	89.3
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	129	129	129	129	129	
5°	151	143	126	112	107	15
15°	197	159	106	78	70	57
25°	244	151	80	53	46	112
35°	235	124	58	38	34	148
45°	166	89	40	28	25	128
55°	86	51	28	21	19	78
65°	39	26	17	14	13	39
75°	8	7	6	5	4	10
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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2.5°	140.0	140.0	140.0	138.5	138.5	136.2	134.7	132.5	131.0	128.8	128.0
5°	151.1	151.1	149.6	148.1	145.9	142.9	139.2	135.5	131.0	127.3	125.8
7.5°	162.3	163.0	160.8	157.8	153.3	148.1	142.9	137.0	130.3	125.1	122.1
10°	174.2	174.2	171.2	166.7	160.0	152.6	144.4	136.2	128.0	120.6	117.6
12.5°	186.1	185.4	181.6	174.9	166.7	156.3	145.2	134.7	125.1	116.1	111.7
15°	197.3	197.3	192.1	183.9	172.0	158.6	145.2	131.8	120.6	110.2	105.7
17.5°	209.9	209.9	203.2	190.6	175.7	158.6	142.9	128.0	115.4	104.2	99.0
20°	224.1	223.3	213.6	196.5	177.2	157.8	140.0	123.6	109.4	97.5	93.1
22.5°	234.5	233.7	222.6	201.7	177.9	155.6	134.7	117.6	103.5	91.6	86.4
25°	244.2	242.7	230.0	204.0	176.4	151.1	129.5	110.9	97.5	85.6	80.4
27.5°	250.1	249.4	235.2	203.2	172.7	145.2	122.8	105.0	90.8	78.9	74.4
30°	251.6	252.4	235.2	199.5	166.7	139.2	116.1	98.3	84.1	73.7	68.5
31°	251.6	252.4	233.7	197.3	164.5	136.2	113.2	96.0	81.1	70.7	66.3
32.5°	248.6	247.1	231.5	193.5	159.3	131.0	109.4	92.3	77.4	67.0	63.3
35°	235.2	236.0	224.1	185.4	151.9	123.6	102.0	84.9	70.7	61.8	58.1
37.5°	227.8	227.8	206.2	174.2	143.7	116.9	93.1	76.7	64.8	56.6	52.9
40°	212.2	209.9	189.8	162.3	134.0	108.7	87.8	71.5	59.6	51.4	48.4
42.5°	189.8	187.6	172.0	151.9	121.3	98.3	83.4	63.3	53.6	46.9	43.9
45°	166.0	164.5	152.6	134.0	109.4	88.6	72.2	58.1	49.1	42.4	40.2
47.5°	144.4	142.2	133.3	119.1	99.0	79.7	62.5	52.1	43.9	38.7	37.2
50°	123.6	122.8	115.4	104.2	87.8	69.2	55.1	46.2	40.2	35.7	33.5
52.5°	104.2	102.7	99.0	90.1	76.7	60.3	48.4	40.9	35.7	32.8	31.3
55°	85.6	85.6	81.9	75.9	65.5	51.4	42.4	36.5	32.0	29.8	28.3
57.5°	70.7	70.7	67.7	64.0	54.3	43.9	37.2	32.0	29.0	26.8	25.3
60°	58.1	58.1	55.8	52.1	45.4	37.2	32.0	28.3	26.1	23.8	23.1
62.5°	48.4	47.6	46.2	42.4	37.2	31.3	27.5	24.6	22.3	20.8	20.1
65°	38.7	38.0	36.5	33.5	29.8	26.1	23.1	20.8	19.4	17.9	17.1
67.5°	29.8	29.8	28.3	26.1	23.1	20.8	18.6	17.1	15.6	14.9	14.1
70°	21.6	21.6	20.8	19.4	17.1	15.6	14.1	13.4	12.7	11.9	11.2
72.5°	14.9	14.9	14.1	13.4	11.9	11.2	9.7	9.7	8.9	8.9	8.2
75°	8.2	8.2	8.2	7.4	7.4	6.7	6.7	6.7	6.0	6.0	6.0
77.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
80°	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2.5°	127.3	125.1	123.6	122.8	120.6	119.9	119.1	118.4	118.4	118.4
5°	124.3	120.6	116.9	114.6	111.7	110.2	108.7	107.9	107.2	107.2
7.5°	119.1	114.6	110.2	106.5	103.5	100.5	99.0	97.5	97.5	96.8
10°	113.9	107.9	102.7	97.5	94.5	90.8	89.3	87.8	87.1	87.1
12.5°	107.9	100.5	94.5	90.1	85.6	82.6	80.4	78.9	78.2	78.2
15°	101.2	93.8	87.1	82.6	78.2	74.4	72.2	70.7	70.0	70.0
17.5°	94.5	87.1	79.7	75.2	70.7	67.0	65.5	64.0	63.3	62.5
20°	88.6	79.7	73.7	67.7	64.0	61.0	58.8	57.3	56.6	56.6
22.5°	81.9	73.7	67.0	62.5	58.8	55.8	52.9	52.1	51.4	51.4
25°	75.2	67.7	61.8	57.3	52.9	50.6	48.4	46.9	46.9	46.2
27.5°	70.0	62.5	56.6	52.1	49.1	46.2	44.7	43.2	42.4	42.4
30°	64.0	57.3	52.1	48.4	44.7	42.4	40.9	39.5	39.5	39.5
31°	62.5	55.8	50.6	46.2	43.2	40.9	39.5	38.7	38.0	38.0
32.5°	58.8	52.9	47.6	43.9	40.9	38.7	37.2	36.5	36.5	35.7
35°	54.3	48.4	43.9	40.2	38.0	35.7	34.2	33.5	33.5	33.5
37.5°	49.9	44.7	40.2	37.2	35.0	32.8	32.0	30.5	30.5	30.5
40°	45.4	40.9	37.2	34.2	32.0	30.5	29.8	29.0	28.3	28.3
42.5°	41.7	37.2	34.2	32.0	29.8	28.3	27.5	26.8	26.8	26.1
45°	38.0	34.2	32.0	29.8	27.5	26.8	26.1	25.3	24.6	24.6
47.5°	35.0	32.0	29.0	27.5	26.1	24.6	23.8	23.8	23.1	23.1
50°	32.0	29.0	26.8	25.3	23.8	23.1	22.3	22.3	21.6	21.6
52.5°	29.8	26.8	25.3	23.8	22.3	21.6	20.8	20.8	20.1	20.1
55°	26.8	24.6	23.1	22.3	20.8	20.1	19.4	18.6	18.6	19.4
57.5°	24.6	23.1	21.6	20.8	19.4	18.6	17.9	17.9	17.1	17.9
60°	22.3	20.8	19.4	18.6	17.9	17.1	16.4	15.6	15.6	15.6
62.5°	20.1	18.6	17.9	16.4	15.6	15.6	14.9	14.9	14.9	14.1
65°	17.1	16.4	15.6	14.9	14.1	13.4	13.4	12.7	12.7	12.7
67.5°	14.1	13.4	12.7	12.7	11.9	11.2	11.2	11.2	11.2	10.4
70°	11.2	10.4	10.4	9.7	9.7	9.7	8.9	8.9	8.9	8.9
72.5°	8.2	8.2	7.4	7.4	7.4	7.4	6.7	6.7	6.7	6.7
75°	6.0	6.0	6.0	5.2	5.2	5.2	4.5	4.5	4.5	4.5
77.5°	3.7	3.7	3.7	3.7	3.7	3.0	3.0	3.0	3.0	3.0
80°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)