

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: P1446149

Luminaire Tested: P3ART05R709040DE010 E3LSWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446149
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: P3ART05R709040DE010 E3LSWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LSWW1B TRIM
Light Source: -
Ballast/Driver: -

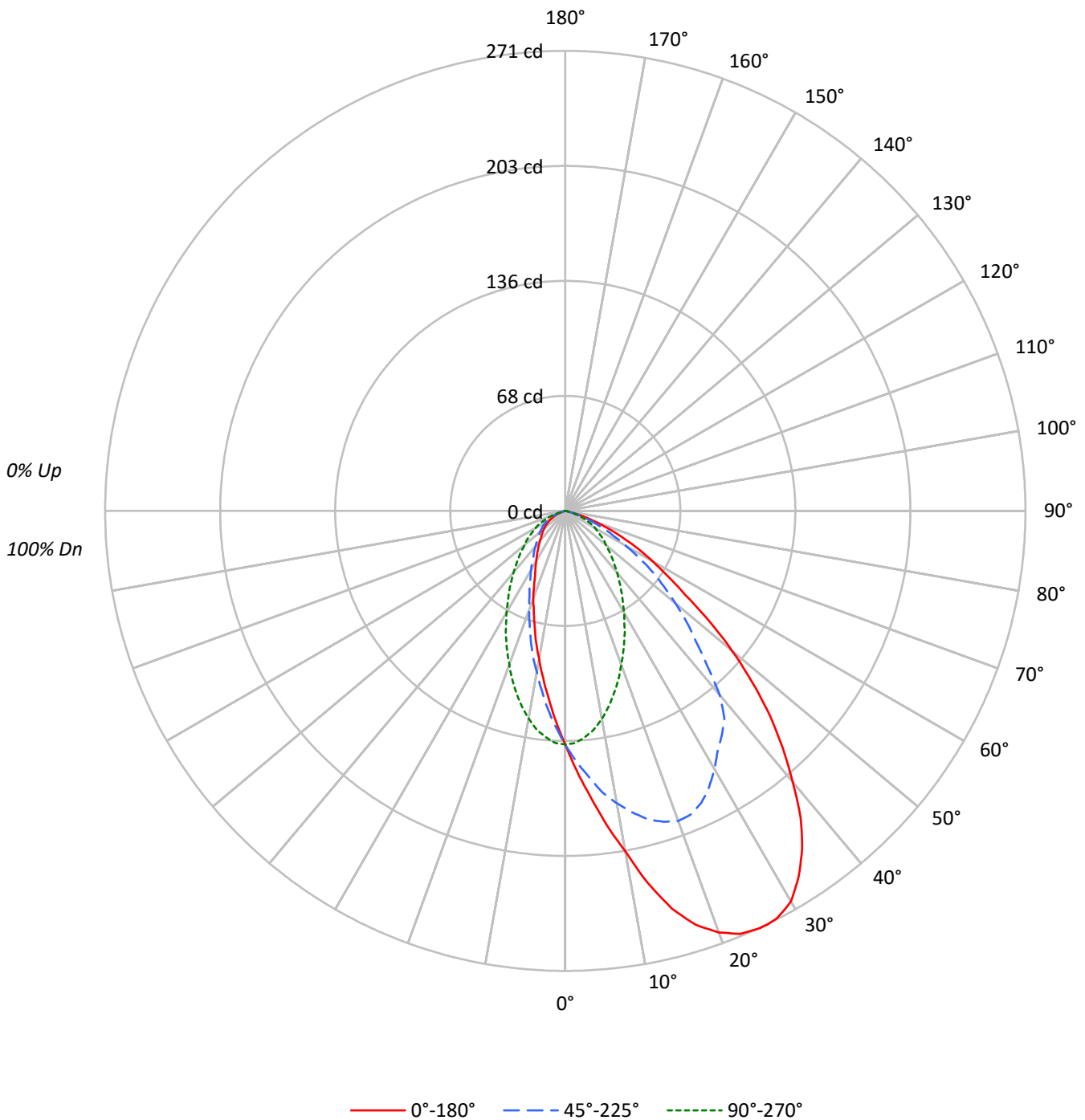
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 274.0 lumens
Efficiency: N/A
Efficacy: 38.1 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): 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	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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	30173	30173	30173	30173	30173
5°	37112	34559	29430	25820	24455
10°	45334	38944	27677	21465	19728
15°	55051	42702	25221	17821	15868
20°	61652	45341	22495	14515	12881
25°	65617	45874	19937	12025	10162
30°	67301	44463	17522	10229	8660
35°	65103	43072	15392	8727	7495
40°	59626	40476	13568	7786	6670
45°	52781	33740	12063	7226	6016
50°	43734	28895	10609	6618	5561
55°	32993	24047	9787	6232	5046
60°	25919	18069	8859	5789	4429
65°	19354	13283	7679	4825	3632
70°	12438	8463	5450	3462	1988
75°	5253	4575	2626	1356	678
80°	1010	1010	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 52781 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	4.8
10°-20°	37.6	13.7
20°-30°	54.9	20.0
30°-40°	59.8	21.8
40°-50°	51.8	18.9
50°-60°	34.7	12.7
60°-70°	17.9	6.5
70°-80°	4.2	1.5
80°-90°	0.0	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°	105.5	38.5
0°-40°	165.3	60.3
0°-60°	251.8	91.9
0°-90°	274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	138	138	138	138	138	
5°	169	157	134	117	111	17
15°	242	188	111	78	70	69
25°	271	190	82	50	42	125
35°	243	161	58	33	28	151
45°	170	109	39	23	19	130
55°	86	63	26	16	13	80
65°	37	26	15	9	7	38
75°	6	5	3	2	1	8
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°	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6
2.5°	153.1	152.3	152.3	150.8	149.2	147.7	145.3	143.0	140.7	138.3	136.8
5°	168.6	169.4	168.6	165.5	161.6	157.0	152.3	146.9	141.4	136.8	133.7
7.5°	186.5	186.5	184.2	180.3	174.9	167.1	159.3	150.0	141.4	133.7	129.8
10°	203.6	203.6	199.7	193.5	185.0	174.9	164.0	151.5	139.9	129.0	124.3
12.5°	224.6	223.8	219.2	209.0	196.6	181.8	167.1	151.5	137.6	124.3	118.1
15°	242.5	241.7	235.5	223.0	206.7	188.1	167.9	150.0	132.9	118.1	111.1
17.5°	255.7	254.1	247.1	233.9	215.3	192.0	168.6	146.9	127.5	111.1	104.1
20°	264.2	263.4	255.7	240.1	219.9	194.3	167.9	143.0	122.0	104.1	96.4
22.5°	269.7	268.1	260.3	243.2	219.9	193.5	164.8	137.6	115.0	97.1	89.4
25°	271.2	270.4	261.1	242.5	217.6	189.6	160.1	132.1	108.0	90.1	82.4
26°	271.2	270.4	261.1	241.7	216.0	187.3	157.8	129.8	105.7	87.0	80.0
27.5°	270.4	269.7	259.6	239.4	212.9	183.4	153.1	125.1	101.0	83.2	75.4
30°	265.8	264.2	254.1	233.9	205.9	175.6	145.3	118.1	94.0	76.2	69.2
32.5°	255.7	254.1	243.2	224.6	198.2	167.1	136.8	110.4	87.0	69.2	62.9
35°	243.2	241.7	230.8	212.9	187.3	160.9	127.5	101.8	79.3	63.7	57.5
37.5°	227.7	225.4	216.0	197.4	174.1	153.9	119.7	93.3	72.3	57.5	52.1
40°	208.3	207.5	198.9	181.8	158.5	141.4	115.0	93.3	66.1	52.1	47.4
42.5°	189.6	188.1	180.3	165.5	144.5	123.6	101.0	89.4	61.4	46.6	42.7
45°	170.2	168.6	161.6	149.2	129.8	108.8	108.8	76.9	52.8	42.7	38.9
47.5°	149.2	147.7	142.2	132.9	115.8	97.1	79.3	62.9	48.2	38.1	35.0
50°	128.2	129.0	124.3	115.0	101.8	84.7	68.4	52.8	41.2	34.2	31.1
52.5°	107.2	106.5	103.4	97.1	87.8	73.1	58.3	45.1	35.7	30.3	28.8
55°	86.3	87.0	85.5	81.6	73.8	62.9	49.0	38.9	31.9	27.2	25.6
57.5°	71.5	72.3	69.2	66.8	60.6	51.3	40.4	32.6	27.2	24.1	22.5
60°	59.1	59.8	57.5	54.4	49.7	41.2	32.6	27.2	24.1	21.8	20.2
62.5°	48.2	47.4	45.9	42.7	38.9	32.6	26.4	22.5	20.2	18.7	17.9
65°	37.3	37.3	35.7	33.4	30.3	25.6	21.0	18.7	17.1	15.5	14.8
67.5°	28.0	28.0	26.4	24.9	21.8	18.7	16.3	14.8	14.0	12.4	11.7
70°	19.4	19.4	18.7	17.9	15.5	13.2	12.4	10.9	10.1	9.3	8.5
72.5°	12.4	12.4	12.4	10.9	10.1	8.5	8.5	7.8	7.0	6.2	6.2
75°	6.2	7.0	6.2	6.2	5.4	5.4	4.7	4.7	3.9	3.9	3.1
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	1.6	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6	137.6
2.5°	135.2	132.9	131.3	129.0	127.5	125.9	125.1	124.3	124.3	124.3
5°	131.3	127.5	123.6	119.7	117.3	115.0	112.7	111.9	111.1	111.1
7.5°	126.7	120.5	115.0	110.4	106.5	104.1	101.8	100.3	99.5	99.5
10°	120.5	112.7	106.5	100.3	96.4	93.3	91.7	89.4	89.4	88.6
12.5°	113.5	104.1	97.1	91.7	87.8	83.9	81.6	80.0	79.3	79.3
15°	105.7	96.4	88.6	82.4	78.5	74.6	72.3	70.7	69.9	69.9
17.5°	97.9	87.8	80.0	73.8	69.9	66.1	63.7	62.2	62.2	61.4
20°	90.1	80.0	72.3	66.1	62.2	59.1	56.7	55.2	54.4	55.2
22.5°	83.2	73.1	65.3	59.8	55.2	52.1	49.7	49.0	48.2	48.2
25°	75.4	66.1	59.1	53.6	49.7	46.6	44.3	43.5	42.7	42.0
26°	73.1	63.7	56.7	51.3	47.4	44.3	42.7	41.2	40.4	40.4
27.5°	69.9	59.8	53.6	48.2	44.3	42.0	39.6	38.9	38.1	38.1
30°	62.9	54.4	48.2	43.5	40.4	37.3	35.7	35.0	34.2	34.2
32.5°	57.5	49.0	43.5	39.6	36.5	34.2	32.6	31.1	31.1	31.1
35°	52.1	44.3	39.6	35.7	32.6	30.3	29.5	28.8	28.0	28.0
37.5°	47.4	40.4	35.7	32.6	30.3	28.0	26.4	25.6	25.6	25.6
40°	42.7	37.3	32.6	29.5	27.2	25.6	24.1	23.3	23.3	23.3
42.5°	38.9	33.4	30.3	27.2	24.9	23.3	22.5	21.8	21.0	21.0
45°	35.7	31.1	27.2	24.9	23.3	21.8	20.2	19.4	19.4	19.4
47.5°	31.9	28.8	24.9	22.5	21.0	19.4	18.7	17.9	17.9	17.9
50°	29.5	26.4	23.3	21.0	19.4	17.9	17.1	16.3	16.3	16.3
52.5°	26.4	24.1	21.8	19.4	17.9	16.3	15.5	14.8	14.8	14.8
55°	24.1	21.8	19.4	17.9	16.3	14.8	14.0	13.2	13.2	13.2
57.5°	21.8	19.4	17.9	16.3	14.8	14.0	12.4	12.4	11.7	11.7
60°	19.4	17.1	15.5	14.8	13.2	12.4	10.9	10.1	10.1	10.1
62.5°	16.3	15.5	14.0	12.4	10.9	10.1	9.3	8.5	8.5	8.5
65°	14.0	13.2	11.7	10.1	9.3	8.5	7.8	7.0	7.0	7.0
67.5°	11.7	10.1	9.3	8.5	7.8	7.0	6.2	5.4	4.7	5.4
70°	8.5	7.8	7.0	6.2	5.4	4.7	3.9	3.9	3.1	3.1
72.5°	5.4	4.7	4.7	3.9	3.1	3.1	2.3	2.3	1.6	1.6
75°	3.1	3.1	2.3	2.3	1.6	1.6	0.8	0.8	0.8	0.8
77.5°	1.6	0.8	0.8	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)