

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: P1445878

Luminaire Tested: P3ART05R709030DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445878
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: P3ART05R709030DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

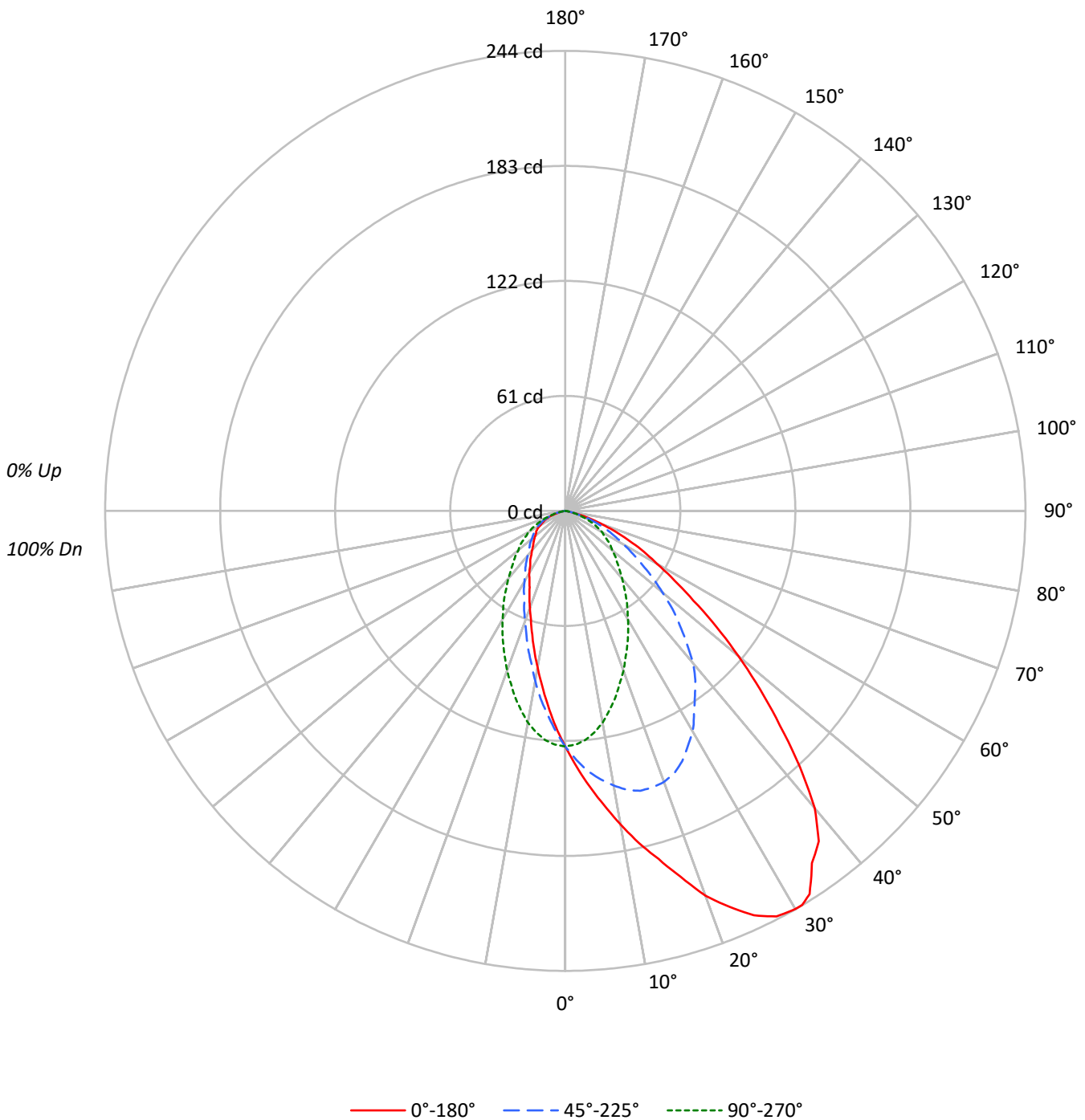
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 35.3 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27388	27388	27388	27388	27388
5°	32247	30508	26854	23839	22870
10°	37608	32932	25384	20418	18793
15°	43405	34892	23269	17208	15392
20°	50684	35703	21048	14491	12788
25°	57269	35446	18848	12388	10815
30°	61756	34182	16813	10964	9672
35°	61061	32070	15071	9851	8700
40°	58882	30171	13425	8874	7843
45°	49897	26638	12094	8280	7381
50°	40869	22891	11087	7880	7130
55°	31731	19039	10475	7723	7187
60°	24691	15832	9824	7587	6666
65°	19457	13127	8613	7108	6382
70°	13400	9745	6924	6027	5578
75°	6693	5507	4914	4321	3643
80°	884	1768	2778	1768	884
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 49897 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	4.6
10°-20°	32.5	12.8
20°-30°	47.9	18.9
30°-40°	53.7	21.2
40°-50°	47.2	18.6
50°-60°	33.8	13.3
60°-70°	20.0	7.9
70°-80°	6.7	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°	92.1	36.3
0°-40°	145.9	57.4
0°-60°	226.9	89.3
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	125	125	125	125	125	
5°	146	139	122	108	104	15
15°	191	154	102	76	68	55
25°	237	146	78	51	45	109
35°	228	120	56	37	32	143
45°	161	86	39	27	24	124
55°	83	50	27	20	19	76
65°	38	25	17	14	12	37
75°	8	6	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°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	135.7	135.7	135.7	134.2	134.2	132.1	130.6	128.5	127.0	124.9	124.1
5°	146.5	146.5	145.1	143.6	141.5	138.6	135.0	131.3	127.0	123.4	122.0
7.5°	157.3	158.0	155.9	153.0	148.7	143.6	138.6	132.8	126.3	121.2	118.4
10°	168.9	168.9	166.0	161.7	155.2	147.9	140.0	132.1	124.1	116.9	114.0
12.5°	180.4	179.7	176.1	169.6	161.7	151.6	140.7	130.6	121.2	112.6	108.3
15°	191.2	191.2	186.2	178.3	166.7	153.7	140.7	127.7	116.9	106.8	102.5
17.5°	203.5	203.5	197.0	184.8	170.3	153.7	138.6	124.1	111.9	101.0	96.0
20°	217.2	216.5	207.1	190.5	171.8	153.0	135.7	119.8	106.1	94.5	90.2
22.5°	227.3	226.6	215.8	195.6	172.5	150.8	130.6	114.0	100.3	88.8	83.7
25°	236.7	235.3	223.0	197.7	171.0	146.5	125.6	107.5	94.5	83.0	77.9
27.5°	242.5	241.8	228.1	197.0	167.4	140.7	119.1	101.8	88.0	76.5	72.2
30°	243.9	244.7	228.1	193.4	161.7	135.0	112.6	95.3	81.6	71.4	66.4
31°	243.9	244.7	226.6	191.2	159.5	132.1	109.7	93.1	78.7	68.6	64.2
32.5°	241.0	239.6	224.4	187.6	154.4	127.0	106.1	89.5	75.1	65.0	61.3
35°	228.1	228.8	217.2	179.7	147.2	119.8	98.9	82.3	68.6	59.9	56.3
37.5°	220.8	220.8	199.9	168.9	139.3	113.3	90.2	74.3	62.8	54.8	51.2
40°	205.7	203.5	184.0	157.3	129.9	105.4	85.2	69.3	57.7	49.8	46.9
42.5°	184.0	181.9	166.7	147.2	117.6	95.3	80.8	61.3	52.0	45.5	42.6
45°	160.9	159.5	147.9	129.9	106.1	85.9	70.0	56.3	47.6	41.1	39.0
47.5°	140.0	137.8	129.2	115.5	96.0	77.2	60.6	50.5	42.6	37.5	36.1
50°	119.8	119.1	111.9	101.0	85.2	67.1	53.4	44.7	39.0	34.6	32.5
52.5°	101.0	99.6	96.0	87.3	74.3	58.5	46.9	39.7	34.6	31.8	30.3
55°	83.0	83.0	79.4	73.6	63.5	49.8	41.1	35.4	31.0	28.9	27.4
57.5°	68.6	68.6	65.7	62.1	52.7	42.6	36.1	31.0	28.1	26.0	24.5
60°	56.3	56.3	54.1	50.5	44.0	36.1	31.0	27.4	25.3	23.1	22.4
62.5°	46.9	46.2	44.7	41.1	36.1	30.3	26.7	23.8	21.7	20.2	19.5
65°	37.5	36.8	35.4	32.5	28.9	25.3	22.4	20.2	18.8	17.3	16.6
67.5°	28.9	28.9	27.4	25.3	22.4	20.2	18.0	16.6	15.2	14.4	13.7
70°	20.9	20.9	20.2	18.8	16.6	15.2	13.7	13.0	12.3	11.5	10.8
72.5°	14.4	14.4	13.7	13.0	11.5	10.8	9.4	9.4	8.7	8.7	7.9
75°	7.9	7.9	7.9	7.2	7.2	6.5	6.5	6.5	5.8	5.8	5.8
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	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°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	123.4	121.2	119.8	119.1	116.9	116.2	115.5	114.7	114.7	114.7
5°	120.5	116.9	113.3	111.1	108.3	106.8	105.4	104.6	103.9	103.9
7.5°	115.5	111.1	106.8	103.2	100.3	97.4	96.0	94.5	94.5	93.8
10°	110.4	104.6	99.6	94.5	91.7	88.0	86.6	85.2	84.4	84.4
12.5°	104.6	97.4	91.7	87.3	83.0	80.1	77.9	76.5	75.8	75.8
15°	98.1	90.9	84.4	80.1	75.8	72.2	70.0	68.6	67.8	67.8
17.5°	91.7	84.4	77.2	72.9	68.6	65.0	63.5	62.1	61.3	60.6
20°	85.9	77.2	71.4	65.7	62.1	59.2	57.0	55.6	54.8	54.8
22.5°	79.4	71.4	65.0	60.6	57.0	54.1	51.2	50.5	49.8	49.8
25°	72.9	65.7	59.9	55.6	51.2	49.1	46.9	45.5	45.5	44.7
27.5°	67.8	60.6	54.8	50.5	47.6	44.7	43.3	41.9	41.1	41.1
30°	62.1	55.6	50.5	46.9	43.3	41.1	39.7	38.2	38.2	38.2
31°	60.6	54.1	49.1	44.7	41.9	39.7	38.2	37.5	36.8	36.8
32.5°	57.0	51.2	46.2	42.6	39.7	37.5	36.1	35.4	35.4	34.6
35°	52.7	46.9	42.6	39.0	36.8	34.6	33.2	32.5	32.5	32.5
37.5°	48.4	43.3	39.0	36.1	33.9	31.8	31.0	29.6	29.6	29.6
40°	44.0	39.7	36.1	33.2	31.0	29.6	28.9	28.1	27.4	27.4
42.5°	40.4	36.1	33.2	31.0	28.9	27.4	26.7	26.0	26.0	25.3
45°	36.8	33.2	31.0	28.9	26.7	26.0	25.3	24.5	23.8	23.8
47.5°	33.9	31.0	28.1	26.7	25.3	23.8	23.1	23.1	22.4	22.4
50°	31.0	28.1	26.0	24.5	23.1	22.4	21.7	21.7	20.9	20.9
52.5°	28.9	26.0	24.5	23.1	21.7	20.9	20.2	20.2	19.5	19.5
55°	26.0	23.8	22.4	21.7	20.2	19.5	18.8	18.0	18.0	18.8
57.5°	23.8	22.4	20.9	20.2	18.8	18.0	17.3	17.3	16.6	17.3
60°	21.7	20.2	18.8	18.0	17.3	16.6	15.9	15.2	15.2	15.2
62.5°	19.5	18.0	17.3	15.9	15.2	15.2	14.4	14.4	14.4	13.7
65°	16.6	15.9	15.2	14.4	13.7	13.0	13.0	12.3	12.3	12.3
67.5°	13.7	13.0	12.3	12.3	11.5	10.8	10.8	10.8	10.8	10.1
70°	10.8	10.1	10.1	9.4	9.4	9.4	8.7	8.7	8.7	8.7
72.5°	7.9	7.9	7.2	7.2	7.2	7.2	6.5	6.5	6.5	6.5
75°	5.8	5.8	5.8	5.1	5.1	5.1	4.3	4.3	4.3	4.3
77.5°	3.6	3.6	3.6	3.6	3.6	2.9	2.9	2.9	2.9	2.9
80°	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.4	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)