

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: P1446803

Luminaire Tested: P3ART05R709740DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

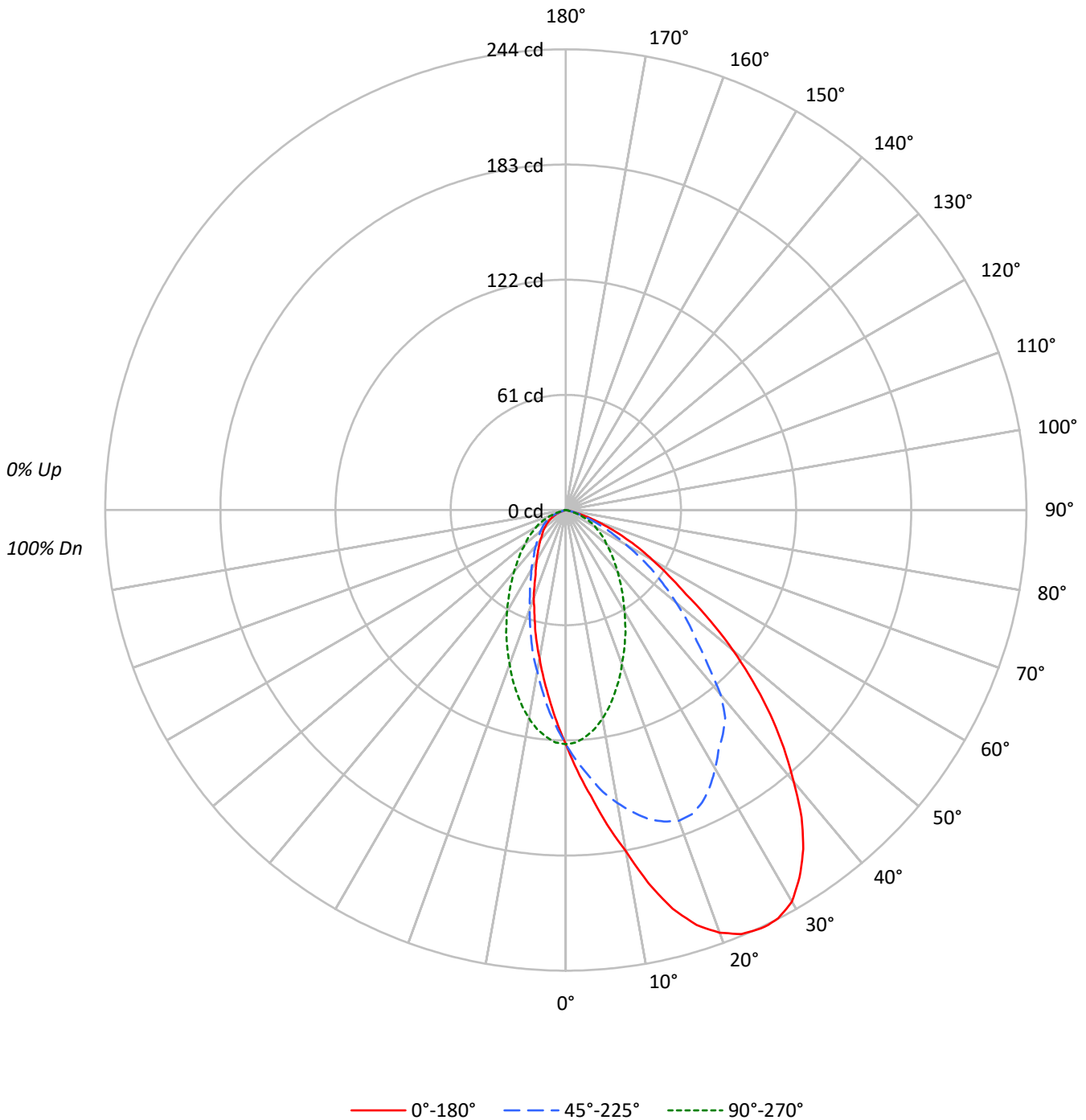
Test Method: LM-79-2019  
Report Number: P1446803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709740DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 247.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 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 (A<sub>in</sub>): 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	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	27191	27191	27191	27191	27191
5°	33458	31147	26524	23289	22056
10°	40859	35092	24961	19349	17791
15°	49626	38479	22747	16073	14325
20°	55585	40860	20278	13068	11598
25°	59157	41349	17977	10839	9146
30°	60668	40082	15775	9217	7799
35°	58705	38815	13866	7870	6746
40°	53729	36497	12223	7013	6011
45°	47571	30422	10854	6512	5427
50°	39436	26063	9552	5970	5015
55°	29743	21677	8831	5620	4549
60°	23331	16271	7982	5219	3991
65°	17434	11986	6901	4358	3269
70°	11220	7629	4937	3142	1795
75°	4745	4151	2372	1186	593
80°	884	884	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 47571 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.8	4.8
10°-20°	33.9	13.7
20°-30°	49.5	20.0
30°-40°	53.9	21.8
40°-50°	46.7	18.9
50°-60°	31.3	12.7
60°-70°	16.1	6.5
70°-80°	3.8	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°	95.1	38.5
0°-40°	149.0	60.4
0°-60°	227.0	91.9
0°-90°	247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	247.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	152	142	120	106	100	15
15°	219	170	100	71	63	62
25°	244	171	74	45	38	112
35°	219	145	52	29	25	136
45°	153	98	35	21	18	117
55°	78	57	23	15	12	72
65°	34	23	13	8	6	34
75°	6	5	3	1	1	7
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°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	138.0	137.3	137.3	135.9	134.5	133.1	131.0	128.9	126.8	124.7	123.3
5°	152.0	152.7	152.0	149.2	145.7	141.5	137.3	132.4	127.5	123.3	120.5
7.5°	168.1	168.1	166.0	162.5	157.6	150.6	143.6	135.2	127.5	120.5	117.0
10°	183.5	183.5	180.0	174.4	166.7	157.6	147.8	136.6	126.1	116.3	112.1
12.5°	202.5	201.8	197.6	188.4	177.2	163.9	150.6	136.6	124.0	112.1	106.5
15°	218.6	217.9	212.3	201.1	186.3	169.5	151.3	135.2	119.8	106.5	100.2
17.5°	230.5	229.1	222.8	210.9	194.1	173.0	152.0	132.4	114.9	100.2	93.9
20°	238.2	237.5	230.5	216.5	198.3	175.1	151.3	128.9	110.0	93.9	86.9
22.5°	243.1	241.7	234.7	219.3	198.3	174.4	148.5	124.0	103.7	87.6	80.6
25°	244.5	243.8	235.4	218.6	196.2	170.9	144.3	119.1	97.4	81.3	74.3
26°	244.5	243.8	235.4	217.9	194.8	168.8	142.2	117.0	95.3	78.5	72.2
27.5°	243.8	243.1	234.0	215.8	192.0	165.3	138.0	112.8	91.1	75.0	68.0
30°	239.6	238.2	229.1	210.9	185.6	158.3	131.0	106.5	84.8	68.7	62.3
32.5°	230.5	229.1	219.3	202.5	178.6	150.6	123.3	99.5	78.5	62.3	56.7
35°	219.3	217.9	208.1	192.0	168.8	145.0	114.9	91.8	71.5	57.4	51.8
37.5°	205.3	203.2	194.8	177.9	156.9	138.7	107.9	84.1	65.2	51.8	46.9
40°	187.7	187.0	179.3	163.9	142.9	127.5	103.7	84.1	59.5	46.9	42.7
42.5°	170.9	169.5	162.5	149.2	130.3	111.4	91.1	80.6	55.3	42.0	38.5
45°	153.4	152.0	145.7	134.5	117.0	98.1	98.1	69.4	47.6	38.5	35.0
47.5°	134.5	133.1	128.2	119.8	104.4	87.6	71.5	56.7	43.4	34.3	31.5
50°	115.6	116.3	112.1	103.7	91.8	76.4	61.6	47.6	37.1	30.8	28.0
52.5°	96.7	96.0	93.2	87.6	79.2	65.9	52.5	40.6	32.2	27.3	25.9
55°	77.8	78.5	77.1	73.6	66.6	56.7	44.1	35.0	28.7	24.5	23.1
57.5°	64.5	65.2	62.3	60.2	54.6	46.2	36.4	29.4	24.5	21.7	20.3
60°	53.2	53.9	51.8	49.0	44.8	37.1	29.4	24.5	21.7	19.6	18.2
62.5°	43.4	42.7	41.3	38.5	35.0	29.4	23.8	20.3	18.2	16.8	16.1
65°	33.6	33.6	32.2	30.1	27.3	23.1	18.9	16.8	15.4	14.0	13.3
67.5°	25.2	25.2	23.8	22.4	19.6	16.8	14.7	13.3	12.6	11.2	10.5
70°	17.5	17.5	16.8	16.1	14.0	11.9	11.2	9.8	9.1	8.4	7.7
72.5°	11.2	11.2	11.2	9.8	9.1	7.7	7.7	7.0	6.3	5.6	5.6
75°	5.6	6.3	5.6	5.6	4.9	4.9	4.2	4.2	3.5	3.5	2.8
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	121.9	119.8	118.4	116.3	114.9	113.5	112.8	112.1	112.1	112.1
5°	118.4	114.9	111.4	107.9	105.8	103.7	101.6	100.9	100.2	100.2
7.5°	114.2	108.6	103.7	99.5	96.0	93.9	91.8	90.4	89.7	89.7
10°	108.6	101.6	96.0	90.4	86.9	84.1	82.7	80.6	80.6	79.9
12.5°	102.3	93.9	87.6	82.7	79.2	75.7	73.6	72.2	71.5	71.5
15°	95.3	86.9	79.9	74.3	70.8	67.3	65.2	63.8	63.1	63.1
17.5°	88.3	79.2	72.2	66.6	63.1	59.5	57.4	56.0	56.0	55.3
20°	81.3	72.2	65.2	59.5	56.0	53.2	51.1	49.7	49.0	49.7
22.5°	75.0	65.9	58.8	53.9	49.7	46.9	44.8	44.1	43.4	43.4
25°	68.0	59.5	53.2	48.3	44.8	42.0	39.9	39.2	38.5	37.8
26°	65.9	57.4	51.1	46.2	42.7	39.9	38.5	37.1	36.4	36.4
27.5°	63.1	53.9	48.3	43.4	39.9	37.8	35.7	35.0	34.3	34.3
30°	56.7	49.0	43.4	39.2	36.4	33.6	32.2	31.5	30.8	30.8
32.5°	51.8	44.1	39.2	35.7	32.9	30.8	29.4	28.0	28.0	28.0
35°	46.9	39.9	35.7	32.2	29.4	27.3	26.6	25.9	25.2	25.2
37.5°	42.7	36.4	32.2	29.4	27.3	25.2	23.8	23.1	23.1	23.1
40°	38.5	33.6	29.4	26.6	24.5	23.1	21.7	21.0	21.0	21.0
42.5°	35.0	30.1	27.3	24.5	22.4	21.0	20.3	19.6	18.9	18.9
45°	32.2	28.0	24.5	22.4	21.0	19.6	18.2	17.5	17.5	17.5
47.5°	28.7	25.9	22.4	20.3	18.9	17.5	16.8	16.1	16.1	16.1
50°	26.6	23.8	21.0	18.9	17.5	16.1	15.4	14.7	14.7	14.7
52.5°	23.8	21.7	19.6	17.5	16.1	14.7	14.0	13.3	13.3	13.3
55°	21.7	19.6	17.5	16.1	14.7	13.3	12.6	11.9	11.9	11.9
57.5°	19.6	17.5	16.1	14.7	13.3	12.6	11.2	11.2	10.5	10.5
60°	17.5	15.4	14.0	13.3	11.9	11.2	9.8	9.1	9.1	9.1
62.5°	14.7	14.0	12.6	11.2	9.8	9.1	8.4	7.7	7.7	7.7
65°	12.6	11.9	10.5	9.1	8.4	7.7	7.0	6.3	6.3	6.3
67.5°	10.5	9.1	8.4	7.7	7.0	6.3	5.6	4.9	4.2	4.9
70°	7.7	7.0	6.3	5.6	4.9	4.2	3.5	3.5	2.8	2.8
72.5°	4.9	4.2	4.2	3.5	2.8	2.8	2.1	2.1	1.4	1.4
75°	2.8	2.8	2.1	2.1	1.4	1.4	0.7	0.7	0.7	0.7
77.5°	1.4	0.7	0.7	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)