

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: P1445789

Luminaire Tested: P3ART09R709027DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

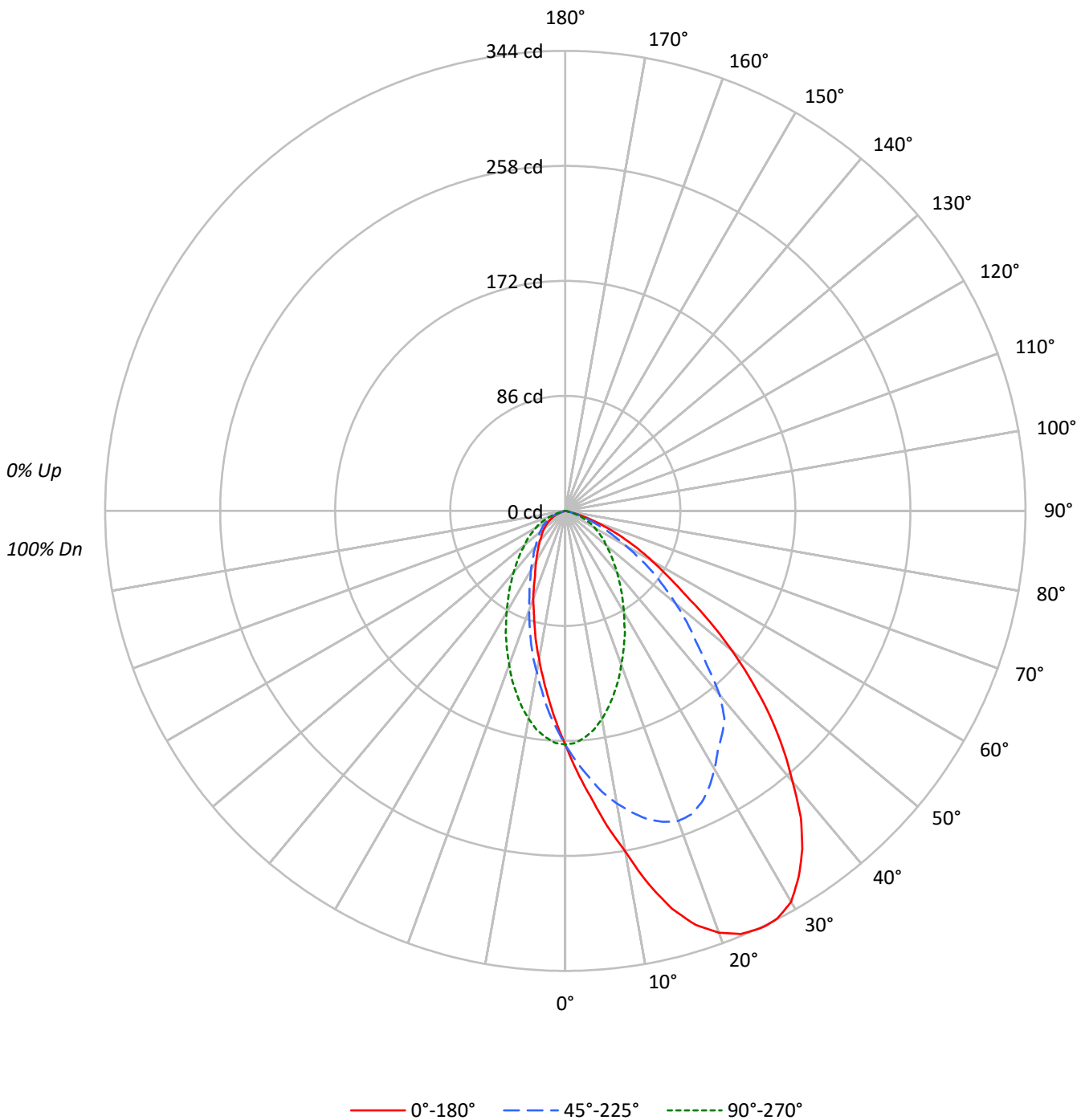
Test Method: LM-79-2019  
Report Number: P1445789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709027DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 348.0 lumens  
Efficiency: N/A  
Efficacy: 31.4 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): 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
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	89	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°	38308	38308	38308	38308	38308
5°	47149	43892	37376	32798	31059
10°	57581	49454	35159	27254	25050
15°	69898	54234	32032	22634	20159
20°	78313	57592	28562	18435	16358
25°	83352	58261	25308	15291	12896
30°	85482	56490	22231	12989	10989
35°	82690	54690	19542	11109	9503
40°	75713	51411	17232	9876	8473
45°	67046	42857	15319	9179	7660
50°	55572	36707	13475	8426	7062
55°	41901	30546	12463	7914	6423
60°	32892	22937	11271	7368	5614
65°	24594	16915	9755	6123	4618
70°	15836	10771	6988	4424	2500
75°	6693	5846	3304	1694	847
80°	1263	1263	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 67046 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.6	4.8
10°-20°	47.7	13.7
20°-30°	69.7	20.0
30°-40°	76.0	21.8
40°-50°	65.8	18.9
50°-60°	44.0	12.7
60°-70°	22.8	6.5
70°-80°	5.4	1.5
80°-90°	0.1	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°	134.0	38.5
0°-40°	210.0	60.3
0°-60°	319.8	91.9
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	175	175	175	175	175	
5°	214	199	170	149	141	22
15°	308	239	141	100	89	87
25°	344	241	105	63	53	158
35°	309	204	73	42	36	191
45°	216	138	49	30	25	165
55°	110	80	33	21	17	101
65°	47	33	19	12	9	48
75°	8	7	4	2	1	10
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	194.4	193.5	193.5	191.5	189.5	187.5	184.6	181.6	178.7	175.7	173.7
5°	214.2	215.2	214.2	210.2	205.3	199.4	193.5	186.5	179.6	173.7	169.8
7.5°	236.9	236.9	233.9	229.0	222.1	212.2	202.3	190.5	179.6	169.8	164.8
10°	258.6	258.6	253.7	245.8	234.9	222.1	208.3	192.5	177.7	163.8	157.9
12.5°	285.2	284.3	278.3	265.5	249.7	231.0	212.2	192.5	174.7	157.9	150.0
15°	307.9	307.0	299.1	283.3	262.5	238.9	213.2	190.5	168.8	150.0	141.1
17.5°	324.7	322.8	313.9	297.1	273.4	243.8	214.2	186.5	161.9	141.1	132.3
20°	335.6	334.6	324.7	305.0	279.3	246.8	213.2	181.6	155.0	132.3	122.4
22.5°	342.5	340.5	330.7	308.9	279.3	245.8	209.2	174.7	146.1	123.4	113.5
25°	344.5	343.5	331.6	307.9	276.4	240.8	203.3	167.8	137.2	114.5	104.6
26°	344.5	343.5	331.6	307.0	274.4	237.9	200.4	164.8	134.2	110.5	101.7
27.5°	343.5	342.5	329.7	304.0	270.4	232.9	194.4	158.9	128.3	105.6	95.7
30°	337.6	335.6	322.8	297.1	261.6	223.1	184.6	150.0	119.4	96.7	87.8
32.5°	324.7	322.8	308.9	285.2	251.7	212.2	173.7	140.2	110.5	87.8	79.9
35°	308.9	307.0	293.1	270.4	237.9	204.3	161.9	129.3	100.7	80.9	73.0
37.5°	289.2	286.2	274.4	250.7	221.1	195.4	152.0	118.4	91.8	73.0	66.1
40°	264.5	263.5	252.7	231.0	201.4	179.6	146.1	118.4	83.9	66.1	60.2
42.5°	240.8	238.9	229.0	210.2	183.6	156.9	128.3	113.5	78.0	59.2	54.3
45°	216.2	214.2	205.3	189.5	164.8	138.2	138.2	97.7	67.1	54.3	49.4
47.5°	189.5	187.5	180.6	168.8	147.1	123.4	100.7	79.9	61.2	48.4	44.4
50°	162.9	163.8	157.9	146.1	129.3	107.6	86.9	67.1	52.3	43.4	39.5
52.5°	136.2	135.2	131.3	123.4	111.5	92.8	74.0	57.2	45.4	38.5	36.5
55°	109.6	110.5	108.6	103.6	93.8	79.9	62.2	49.4	40.5	34.5	32.6
57.5°	90.8	91.8	87.8	84.9	77.0	65.1	51.3	41.5	34.5	30.6	28.6
60°	75.0	76.0	73.0	69.1	63.2	52.3	41.5	34.5	30.6	27.6	25.7
62.5°	61.2	60.2	58.2	54.3	49.4	41.5	33.6	28.6	25.7	23.7	22.7
65°	47.4	47.4	45.4	42.4	38.5	32.6	26.6	23.7	21.7	19.7	18.8
67.5°	35.5	35.5	33.6	31.6	27.6	23.7	20.7	18.8	17.8	15.8	14.8
70°	24.7	24.7	23.7	22.7	19.7	16.8	15.8	13.8	12.8	11.8	10.9
72.5°	15.8	15.8	15.8	13.8	12.8	10.9	10.9	9.9	8.9	7.9	7.9
75°	7.9	8.9	7.9	7.9	6.9	6.9	5.9	5.9	4.9	4.9	3.9
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	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°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	171.7	168.8	166.8	163.8	161.9	159.9	158.9	157.9	157.9	157.9
5°	166.8	161.9	156.9	152.0	149.0	146.1	143.1	142.1	141.1	141.1
7.5°	160.9	153.0	146.1	140.2	135.2	132.3	129.3	127.3	126.3	126.3
10°	153.0	143.1	135.2	127.3	122.4	118.4	116.5	113.5	113.5	112.5
12.5°	144.1	132.3	123.4	116.5	111.5	106.6	103.6	101.7	100.7	100.7
15°	134.2	122.4	112.5	104.6	99.7	94.8	91.8	89.8	88.8	88.8
17.5°	124.4	111.5	101.7	93.8	88.8	83.9	80.9	79.0	79.0	78.0
20°	114.5	101.7	91.8	83.9	79.0	75.0	72.1	70.1	69.1	70.1
22.5°	105.6	92.8	82.9	76.0	70.1	66.1	63.2	62.2	61.2	61.2
25°	95.7	83.9	75.0	68.1	63.2	59.2	56.3	55.3	54.3	53.3
26°	92.8	80.9	72.1	65.1	60.2	56.3	54.3	52.3	51.3	51.3
27.5°	88.8	76.0	68.1	61.2	56.3	53.3	50.3	49.4	48.4	48.4
30°	79.9	69.1	61.2	55.3	51.3	47.4	45.4	44.4	43.4	43.4
32.5°	73.0	62.2	55.3	50.3	46.4	43.4	41.5	39.5	39.5	39.5
35°	66.1	56.3	50.3	45.4	41.5	38.5	37.5	36.5	35.5	35.5
37.5°	60.2	51.3	45.4	41.5	38.5	35.5	33.6	32.6	32.6	32.6
40°	54.3	47.4	41.5	37.5	34.5	32.6	30.6	29.6	29.6	29.6
42.5°	49.4	42.4	38.5	34.5	31.6	29.6	28.6	27.6	26.6	26.6
45°	45.4	39.5	34.5	31.6	29.6	27.6	25.7	24.7	24.7	24.7
47.5°	40.5	36.5	31.6	28.6	26.6	24.7	23.7	22.7	22.7	22.7
50°	37.5	33.6	29.6	26.6	24.7	22.7	21.7	20.7	20.7	20.7
52.5°	33.6	30.6	27.6	24.7	22.7	20.7	19.7	18.8	18.8	18.8
55°	30.6	27.6	24.7	22.7	20.7	18.8	17.8	16.8	16.8	16.8
57.5°	27.6	24.7	22.7	20.7	18.8	17.8	15.8	15.8	14.8	14.8
60°	24.7	21.7	19.7	18.8	16.8	15.8	13.8	12.8	12.8	12.8
62.5°	20.7	19.7	17.8	15.8	13.8	12.8	11.8	10.9	10.9	10.9
65°	17.8	16.8	14.8	12.8	11.8	10.9	9.9	8.9	8.9	8.9
67.5°	14.8	12.8	11.8	10.9	9.9	8.9	7.9	6.9	5.9	6.9
70°	10.9	9.9	8.9	7.9	6.9	5.9	4.9	4.9	3.9	3.9
72.5°	6.9	5.9	5.9	4.9	3.9	3.9	3.0	3.0	2.0	2.0
75°	3.9	3.9	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0
77.5°	2.0	1.0	1.0	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)