

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: P#

Luminaire Tested: P3ART05R709827DE010 E3LSWW1WMH

Issue Date: 5/8/2026

**Test Information**

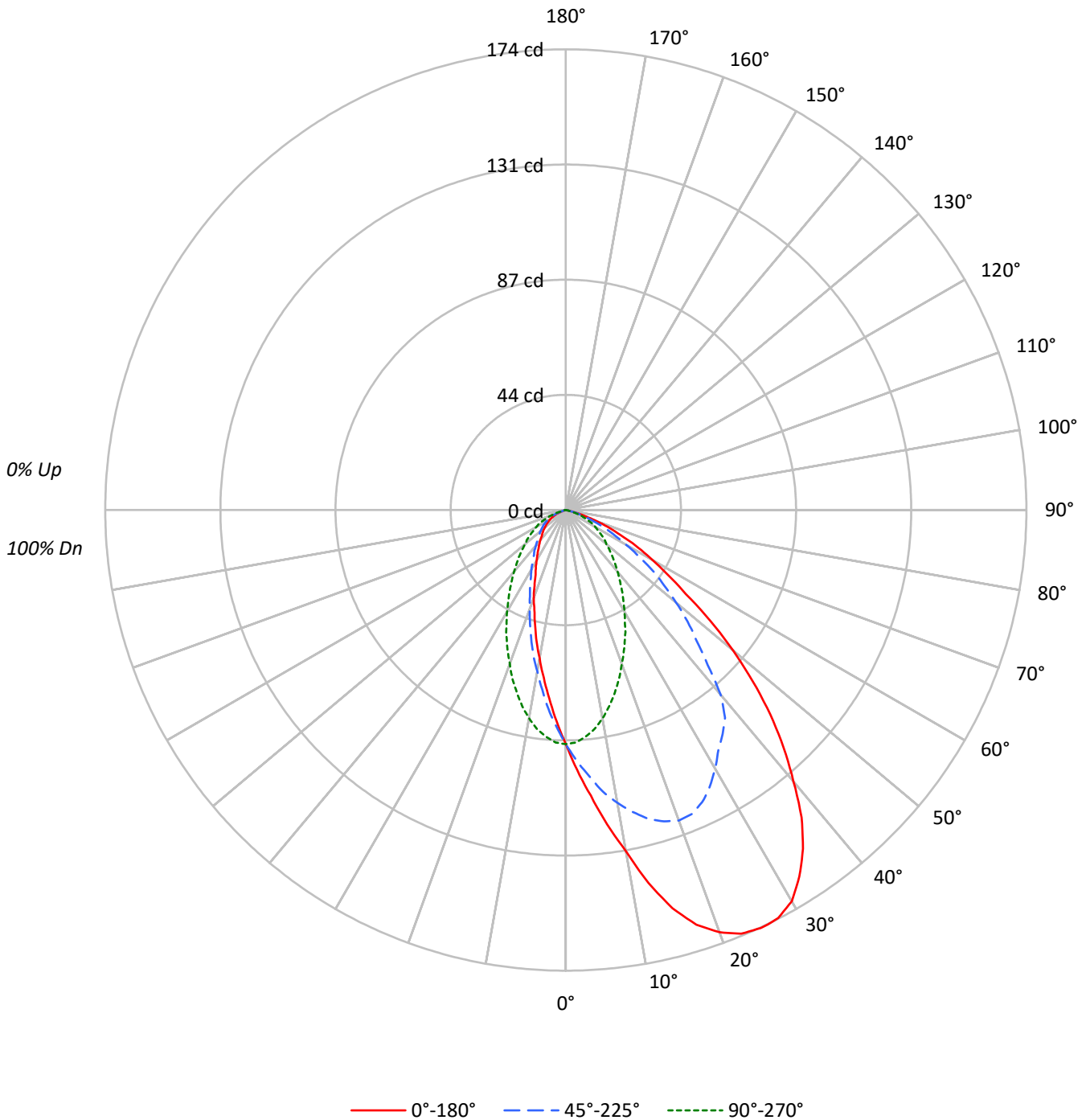
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709827DE010 E3LSWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 176.0 lumens  
Efficiency: N/A  
Efficacy: 24.5 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53		
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32		

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

	0°	45°	90°	135°	180°
0°	19384	19384	19384	19384	19384
5°	23839	22188	18908	16597	15716
10°	29124	25005	17791	13783	12670
15°	35346	27424	16209	11442	10193
20°	39600	29123	14445	9311	8261
25°	42148	29469	12799	7718	6533
30°	43222	28561	11242	6583	5570
35°	41814	27653	9878	5622	4818
40°	38300	26020	8731	5009	4294
45°	33895	21677	7753	4652	3876
50°	28110	18558	6823	4264	3582
55°	21180	15445	6308	4014	3250
60°	16621	11622	5701	3728	2851
65°	12453	8561	4929	3113	2335
70°	8014	5450	3526	2244	1282
75°	3389	2965	1694	847	424
80°	631	631	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 33895 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	4.8
10°-20°	24.1	13.7
20°-30°	35.3	20.0
30°-40°	38.4	21.8
40°-50°	33.3	18.9
50°-60°	22.3	12.7
60°-70°	11.5	6.5
70°-80°	2.7	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°	67.8	38.5
0°-40°	106.2	60.3
0°-60°	161.8	91.9
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	108	101	86	75	71	11
15°	156	121	71	50	45	44
25°	174	122	53	32	27	80
35°	156	103	37	21	18	97
45°	109	70	25	15	12	84
55°	55	40	16	10	8	51
65°	24	16	10	6	4	24
75°	4	4	2	1	0	5
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°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2.5°	98.3	97.8	97.8	96.8	95.8	94.8	93.3	91.8	90.4	88.9	87.9
5°	108.3	108.8	108.3	106.3	103.8	100.8	97.8	94.3	90.9	87.9	85.9
7.5°	119.8	119.8	118.3	115.8	112.3	107.3	102.3	96.3	90.9	85.9	83.4
10°	130.8	130.8	128.3	124.3	118.8	112.3	105.3	97.3	89.9	82.9	79.9
12.5°	144.3	143.8	140.8	134.3	126.3	116.8	107.3	97.3	88.4	79.9	75.9
15°	155.7	155.2	151.3	143.3	132.8	120.8	107.8	96.3	85.4	75.9	71.4
17.5°	164.2	163.2	158.7	150.3	138.3	123.3	108.3	94.3	81.9	71.4	66.9
20°	169.7	169.2	164.2	154.2	141.3	124.8	107.8	91.8	78.4	66.9	61.9
22.5°	173.2	172.2	167.2	156.2	141.3	124.3	105.8	88.4	73.9	62.4	57.4
25°	174.2	173.7	167.7	155.7	139.8	121.8	102.8	84.9	69.4	57.9	52.9
26°	174.2	173.7	167.7	155.2	138.8	120.3	101.3	83.4	67.9	55.9	51.4
27.5°	173.7	173.2	166.7	153.7	136.8	117.8	98.3	80.4	64.9	53.4	48.4
30°	170.7	169.7	163.2	150.3	132.3	112.8	93.3	75.9	60.4	48.9	44.4
32.5°	164.2	163.2	156.2	144.3	127.3	107.3	87.9	70.9	55.9	44.4	40.4
35°	156.2	155.2	148.3	136.8	120.3	103.3	81.9	65.4	50.9	40.9	36.9
37.5°	146.3	144.8	138.8	126.8	111.8	98.8	76.9	59.9	46.4	36.9	33.4
40°	133.8	133.3	127.8	116.8	101.8	90.9	73.9	59.9	42.4	33.4	30.5
42.5°	121.8	120.8	115.8	106.3	92.8	79.4	64.9	57.4	39.4	30.0	27.5
45°	109.3	108.3	103.8	95.8	83.4	69.9	69.9	49.4	33.9	27.5	25.0
47.5°	95.8	94.8	91.4	85.4	74.4	62.4	50.9	40.4	30.9	24.5	22.5
50°	82.4	82.9	79.9	73.9	65.4	54.4	43.9	33.9	26.5	22.0	20.0
52.5°	68.9	68.4	66.4	62.4	56.4	46.9	37.4	29.0	23.0	19.5	18.5
55°	55.4	55.9	54.9	52.4	47.4	40.4	31.4	25.0	20.5	17.5	16.5
57.5°	45.9	46.4	44.4	42.9	38.9	32.9	26.0	21.0	17.5	15.5	14.5
60°	37.9	38.4	36.9	34.9	31.9	26.5	21.0	17.5	15.5	14.0	13.0
62.5°	30.9	30.5	29.5	27.5	25.0	21.0	17.0	14.5	13.0	12.0	11.5
65°	24.0	24.0	23.0	21.5	19.5	16.5	13.5	12.0	11.0	10.0	9.5
67.5°	18.0	18.0	17.0	16.0	14.0	12.0	10.5	9.5	9.0	8.0	7.5
70°	12.5	12.5	12.0	11.5	10.0	8.5	8.0	7.0	6.5	6.0	5.5
72.5°	8.0	8.0	8.0	7.0	6.5	5.5	5.5	5.0	4.5	4.0	4.0
75°	4.0	4.5	4.0	4.0	3.5	3.5	3.0	3.0	2.5	2.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2.5°	86.9	85.4	84.4	82.9	81.9	80.9	80.4	79.9	79.9	79.9
5°	84.4	81.9	79.4	76.9	75.4	73.9	72.4	71.9	71.4	71.4
7.5°	81.4	77.4	73.9	70.9	68.4	66.9	65.4	64.4	63.9	63.9
10°	77.4	72.4	68.4	64.4	61.9	59.9	58.9	57.4	57.4	56.9
12.5°	72.9	66.9	62.4	58.9	56.4	53.9	52.4	51.4	50.9	50.9
15°	67.9	61.9	56.9	52.9	50.4	47.9	46.4	45.4	44.9	44.9
17.5°	62.9	56.4	51.4	47.4	44.9	42.4	40.9	39.9	39.9	39.4
20°	57.9	51.4	46.4	42.4	39.9	37.9	36.4	35.4	34.9	35.4
22.5°	53.4	46.9	41.9	38.4	35.4	33.4	31.9	31.4	30.9	30.9
25°	48.4	42.4	37.9	34.4	31.9	30.0	28.5	28.0	27.5	27.0
26°	46.9	40.9	36.4	32.9	30.5	28.5	27.5	26.5	26.0	26.0
27.5°	44.9	38.4	34.4	30.9	28.5	27.0	25.5	25.0	24.5	24.5
30°	40.4	34.9	30.9	28.0	26.0	24.0	23.0	22.5	22.0	22.0
32.5°	36.9	31.4	28.0	25.5	23.5	22.0	21.0	20.0	20.0	20.0
35°	33.4	28.5	25.5	23.0	21.0	19.5	19.0	18.5	18.0	18.0
37.5°	30.5	26.0	23.0	21.0	19.5	18.0	17.0	16.5	16.5	16.5
40°	27.5	24.0	21.0	19.0	17.5	16.5	15.5	15.0	15.0	15.0
42.5°	25.0	21.5	19.5	17.5	16.0	15.0	14.5	14.0	13.5	13.5
45°	23.0	20.0	17.5	16.0	15.0	14.0	13.0	12.5	12.5	12.5
47.5°	20.5	18.5	16.0	14.5	13.5	12.5	12.0	11.5	11.5	11.5
50°	19.0	17.0	15.0	13.5	12.5	11.5	11.0	10.5	10.5	10.5
52.5°	17.0	15.5	14.0	12.5	11.5	10.5	10.0	9.5	9.5	9.5
55°	15.5	14.0	12.5	11.5	10.5	9.5	9.0	8.5	8.5	8.5
57.5°	14.0	12.5	11.5	10.5	9.5	9.0	8.0	8.0	7.5	7.5
60°	12.5	11.0	10.0	9.5	8.5	8.0	7.0	6.5	6.5	6.5
62.5°	10.5	10.0	9.0	8.0	7.0	6.5	6.0	5.5	5.5	5.5
65°	9.0	8.5	7.5	6.5	6.0	5.5	5.0	4.5	4.5	4.5
67.5°	7.5	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	3.5
70°	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.5	2.0	2.0
72.5°	3.5	3.0	3.0	2.5	2.0	2.0	1.5	1.5	1.0	1.0
75°	2.0	2.0	1.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5
77.5°	1.0	0.5	0.5	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)