

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 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

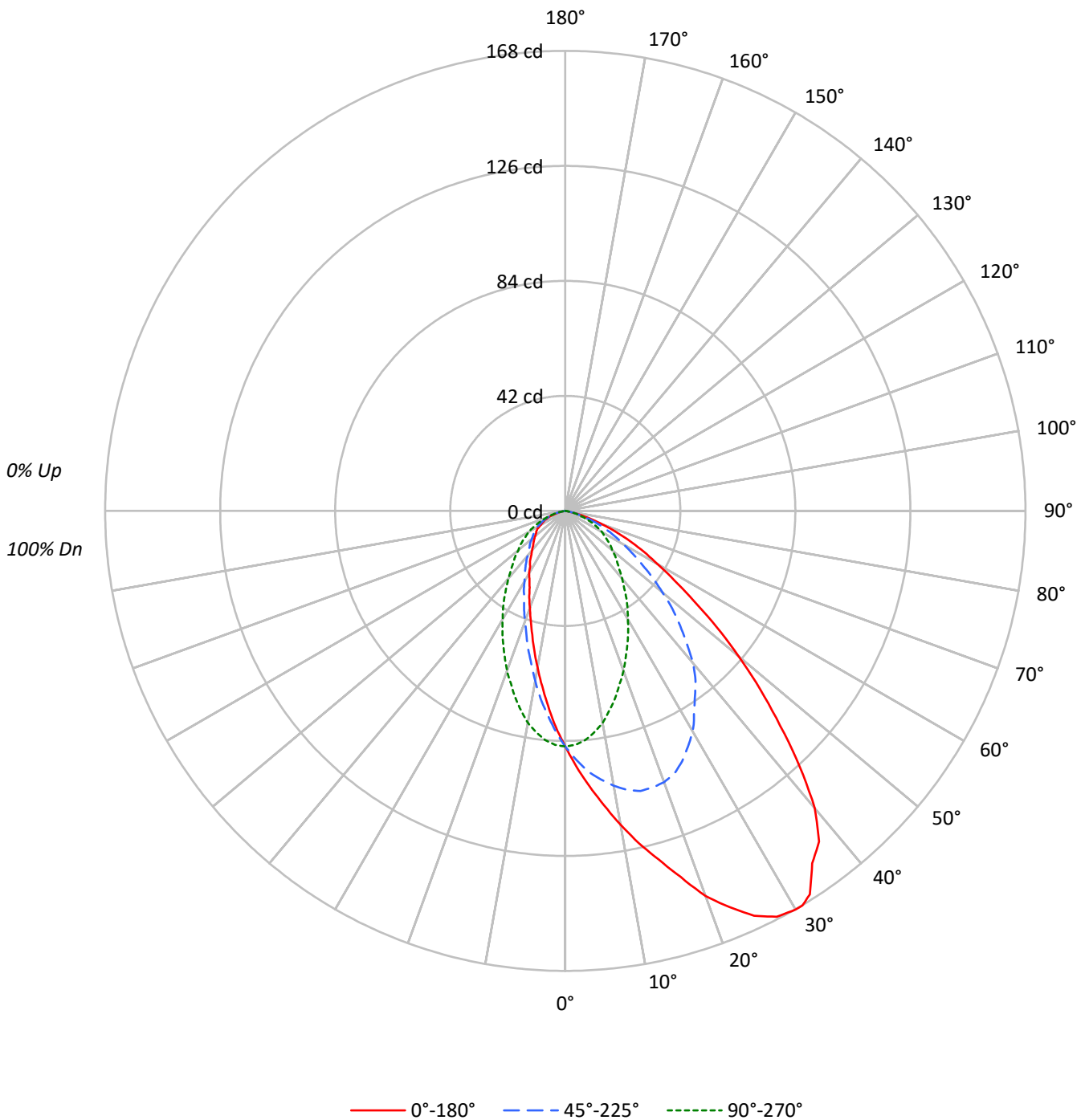
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709827DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 175.0 lumens  
Efficiency: N/A  
Efficacy: 24.3 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	18858	18858	18858	18858	18858
5°	22210	21021	18490	16421	15760
10°	25918	22689	17501	14050	12959
15°	29921	24041	16027	11850	10602
20°	34933	24595	14515	9988	8821
25°	39462	24413	12993	8541	7452
30°	42564	23548	11571	7545	6685
35°	42054	22085	10386	6799	5996
40°	40562	20782	9246	6126	5410
45°	34391	18358	8342	5706	5086
50°	28144	15761	7642	5424	4912
55°	21868	13113	7226	5314	4932
60°	17016	10920	6754	5219	4561
65°	13439	9028	5915	4877	4410
70°	9232	6668	4809	4167	3847
75°	4660	3813	3389	2965	2542
80°	631	1263	1894	1263	631
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 34391 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	4.6
10°-20°	22.4	12.8
20°-30°	33.0	18.9
30°-40°	37.0	21.2
40°-50°	32.6	18.6
50°-60°	23.3	13.3
60°-70°	13.8	7.9
70°-80°	4.6	2.7
80°-90°	0.2	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
<b>0°-30°</b>	<b>63.5</b>	<b>36.3</b>
<b>0°-40°</b>	<b>100.5</b>	<b>57.4</b>
<b>0°-60°</b>	<b>156.4</b>	<b>89.3</b>
<b>0°-90°</b>	<b>175.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>175.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	86	86	86	86	86	
5°	101	96	84	75	72	10
15°	132	106	71	52	47	38
25°	163	101	54	35	31	75
35°	157	82	39	25	22	99
45°	111	59	27	18	16	86
55°	57	34	19	14	13	52
65°	26	17	11	9	8	26
75°	6	4	4	4	3	7
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	93.5	93.5	93.5	92.5	92.5	91.0	90.0	88.5	87.5	86.0	85.5
5°	100.9	100.9	99.9	98.9	97.5	95.5	93.0	90.5	87.5	85.0	84.0
7.5°	108.4	108.9	107.4	105.4	102.4	98.9	95.5	91.5	87.0	83.5	81.5
10°	116.4	116.4	114.4	111.4	106.9	101.9	96.5	91.0	85.5	80.6	78.6
12.5°	124.3	123.8	121.3	116.8	111.4	104.4	97.0	90.0	83.5	77.6	74.6
15°	131.8	131.8	128.3	122.8	114.9	105.9	97.0	88.0	80.6	73.6	70.6
17.5°	140.2	140.2	135.7	127.3	117.3	105.9	95.5	85.5	77.1	69.6	66.1
20°	149.7	149.2	142.7	131.3	118.3	105.4	93.5	82.5	73.1	65.1	62.2
22.5°	156.6	156.1	148.7	134.7	118.8	103.9	90.0	78.6	69.1	61.2	57.7
25°	163.1	162.1	153.6	136.2	117.8	100.9	86.5	74.1	65.1	57.2	53.7
27.5°	167.1	166.6	157.1	135.7	115.4	97.0	82.0	70.1	60.7	52.7	49.7
30°	168.1	168.6	157.1	133.3	111.4	93.0	77.6	65.6	56.2	49.2	45.7
31°	168.1	168.6	156.1	131.8	109.9	91.0	75.6	64.1	54.2	47.2	44.3
32.5°	166.1	165.1	154.6	129.3	106.4	87.5	73.1	61.7	51.7	44.8	42.3
35°	157.1	157.6	149.7	123.8	101.4	82.5	68.1	56.7	47.2	41.3	38.8
37.5°	152.2	152.2	137.7	116.4	96.0	78.1	62.2	51.2	43.3	37.8	35.3
40°	141.7	140.2	126.8	108.4	89.5	72.6	58.7	47.7	39.8	34.3	32.3
42.5°	126.8	125.3	114.9	101.4	81.0	65.6	55.7	42.3	35.8	31.3	29.3
45°	110.9	109.9	101.9	89.5	73.1	59.2	48.2	38.8	32.8	28.3	26.9
47.5°	96.5	95.0	89.0	79.6	66.1	53.2	41.8	34.8	29.3	25.9	24.9
50°	82.5	82.0	77.1	69.6	58.7	46.2	36.8	30.8	26.9	23.9	22.4
52.5°	69.6	68.6	66.1	60.2	51.2	40.3	32.3	27.3	23.9	21.9	20.9
55°	57.2	57.2	54.7	50.7	43.8	34.3	28.3	24.4	21.4	19.9	18.9
57.5°	47.2	47.2	45.2	42.8	36.3	29.3	24.9	21.4	19.4	17.9	16.9
60°	38.8	38.8	37.3	34.8	30.3	24.9	21.4	18.9	17.4	15.9	15.4
62.5°	32.3	31.8	30.8	28.3	24.9	20.9	18.4	16.4	14.9	13.9	13.4
65°	25.9	25.4	24.4	22.4	19.9	17.4	15.4	13.9	12.9	11.9	11.4
67.5°	19.9	19.9	18.9	17.4	15.4	13.9	12.4	11.4	10.4	9.9	9.4
70°	14.4	14.4	13.9	12.9	11.4	10.4	9.4	9.0	8.5	8.0	7.5
72.5°	9.9	9.9	9.4	9.0	8.0	7.5	6.5	6.5	6.0	6.0	5.5
75°	5.5	5.5	5.5	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	85.0	83.5	82.5	82.0	80.6	80.1	79.6	79.1	79.1	79.1
5°	83.0	80.6	78.1	76.6	74.6	73.6	72.6	72.1	71.6	71.6
7.5°	79.6	76.6	73.6	71.1	69.1	67.1	66.1	65.1	65.1	64.6
10°	76.1	72.1	68.6	65.1	63.1	60.7	59.7	58.7	58.2	58.2
12.5°	72.1	67.1	63.1	60.2	57.2	55.2	53.7	52.7	52.2	52.2
15°	67.6	62.7	58.2	55.2	52.2	49.7	48.2	47.2	46.7	46.7
17.5°	63.1	58.2	53.2	50.2	47.2	44.8	43.8	42.8	42.3	41.8
20°	59.2	53.2	49.2	45.2	42.8	40.8	39.3	38.3	37.8	37.8
22.5°	54.7	49.2	44.8	41.8	39.3	37.3	35.3	34.8	34.3	34.3
25°	50.2	45.2	41.3	38.3	35.3	33.8	32.3	31.3	31.3	30.8
27.5°	46.7	41.8	37.8	34.8	32.8	30.8	29.8	28.8	28.3	28.3
30°	42.8	38.3	34.8	32.3	29.8	28.3	27.3	26.4	26.4	26.4
31°	41.8	37.3	33.8	30.8	28.8	27.3	26.4	25.9	25.4	25.4
32.5°	39.3	35.3	31.8	29.3	27.3	25.9	24.9	24.4	24.4	23.9
35°	36.3	32.3	29.3	26.9	25.4	23.9	22.9	22.4	22.4	22.4
37.5°	33.3	29.8	26.9	24.9	23.4	21.9	21.4	20.4	20.4	20.4
40°	30.3	27.3	24.9	22.9	21.4	20.4	19.9	19.4	18.9	18.9
42.5°	27.8	24.9	22.9	21.4	19.9	18.9	18.4	17.9	17.9	17.4
45°	25.4	22.9	21.4	19.9	18.4	17.9	17.4	16.9	16.4	16.4
47.5°	23.4	21.4	19.4	18.4	17.4	16.4	15.9	15.9	15.4	15.4
50°	21.4	19.4	17.9	16.9	15.9	15.4	14.9	14.9	14.4	14.4
52.5°	19.9	17.9	16.9	15.9	14.9	14.4	13.9	13.9	13.4	13.4
55°	17.9	16.4	15.4	14.9	13.9	13.4	12.9	12.4	12.4	12.9
57.5°	16.4	15.4	14.4	13.9	12.9	12.4	11.9	11.9	11.4	11.9
60°	14.9	13.9	12.9	12.4	11.9	11.4	10.9	10.4	10.4	10.4
62.5°	13.4	12.4	11.9	10.9	10.4	10.4	9.9	9.9	9.9	9.4
65°	11.4	10.9	10.4	9.9	9.4	9.0	9.0	8.5	8.5	8.5
67.5°	9.4	9.0	8.5	8.5	8.0	7.5	7.5	7.5	7.5	7.0
70°	7.5	7.0	7.0	6.5	6.5	6.5	6.0	6.0	6.0	6.0
72.5°	5.5	5.5	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5
75°	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.0	3.0	3.0
77.5°	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	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)