

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: P3ART02R709840DE010 E3LSWW1H

Issue Date: 5/8/2026

**Test Information**

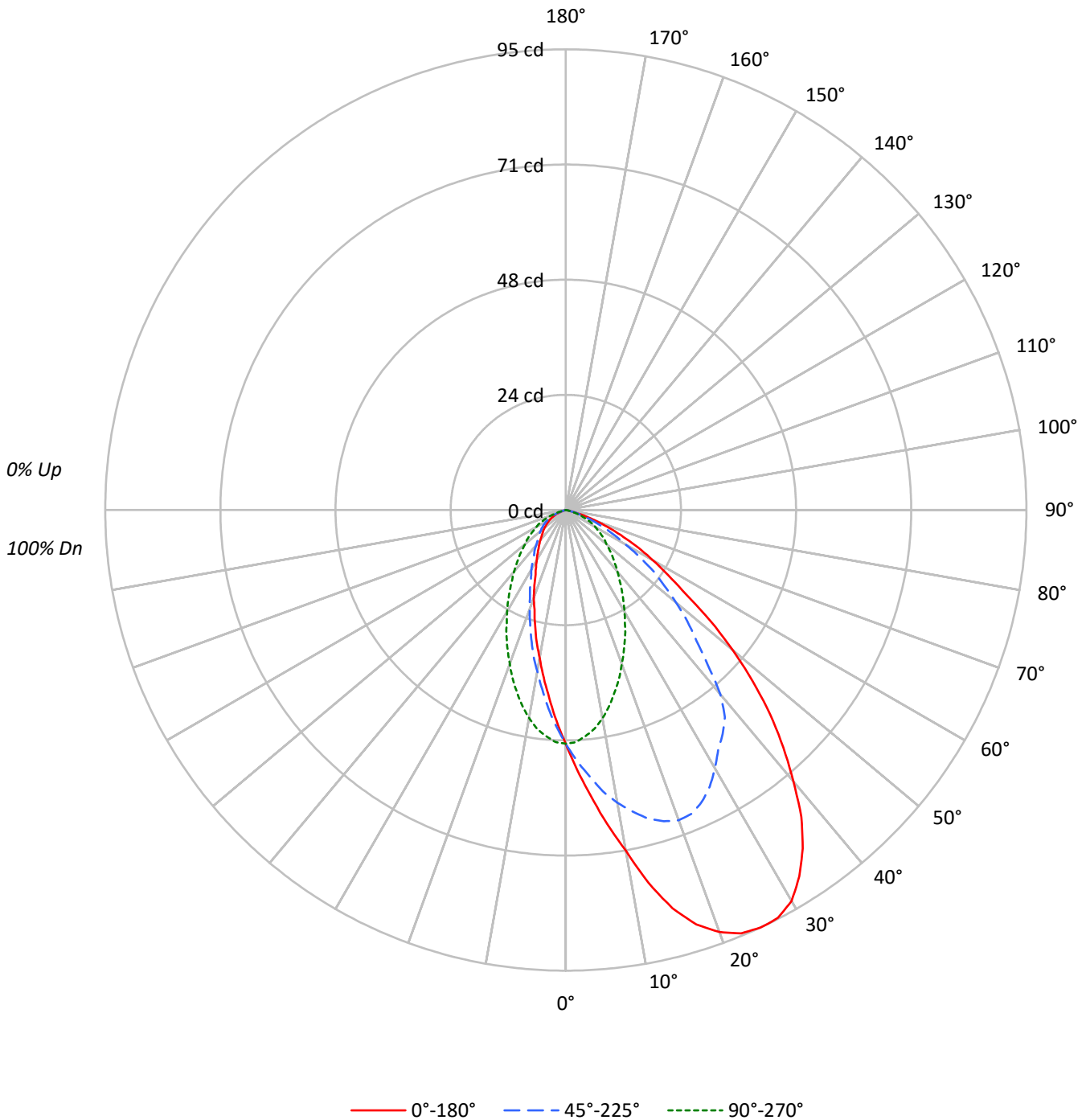
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709840DE010 E3LSWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 96.0 lumens  
Efficiency: N/A  
Efficacy: 26.7 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): 3.6  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	10569	10569	10569	10569	10569
5°	13009	12107	10302	9047	8563
10°	15876	13649	9708	7526	6903
15°	19296	14960	8831	6243	5562
20°	21609	15891	7887	5087	4504
25°	22985	16065	6992	4210	3557
30°	23573	15572	6128	3595	3038
35°	22807	15098	5381	3052	2623
40°	20896	14198	4752	2719	2347
45°	18483	11815	4217	2543	2109
50°	15317	10132	3718	2320	1944
55°	11546	8449	3441	2179	1759
60°	9078	6315	3114	2017	1535
65°	6797	4670	2698	1712	1297
70°	4360	2949	1923	1218	705
75°	1864	1610	932	424	254
80°	379	379	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18483 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	4.8
10°-20°	13.2	13.7
20°-30°	19.2	20.0
30°-40°	21.0	21.8
40°-50°	18.1	18.9
50°-60°	12.2	12.7
60°-70°	6.3	6.5
70°-80°	1.5	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
<b>0°-30°</b>	<b>37.0</b>	<b>38.5</b>
<b>0°-40°</b>	<b>57.9</b>	<b>60.3</b>
<b>0°-60°</b>	<b>88.2</b>	<b>91.9</b>
<b>0°-90°</b>	<b>96.0</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>96.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	59	55	47	41	39	6
15°	85	66	39	28	24	24
25°	95	66	29	17	15	44
35°	85	56	20	11	10	53
45°	60	38	14	8	7	46
55°	30	22	9	6	5	28
65°	13	9	5	3	2	13
75°	2	2	1	0	0	3
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°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	53.6	53.4	53.4	52.8	52.3	51.7	50.9	50.1	49.3	48.5	47.9
5°	59.1	59.4	59.1	58.0	56.6	55.0	53.4	51.5	49.6	47.9	46.8
7.5°	65.3	65.3	64.5	63.2	61.3	58.5	55.8	52.6	49.6	46.8	45.5
10°	71.3	71.3	70.0	67.8	64.8	61.3	57.5	53.1	49.0	45.2	43.6
12.5°	78.7	78.4	76.8	73.2	68.9	63.7	58.5	53.1	48.2	43.6	41.4
15°	85.0	84.7	82.5	78.1	72.4	65.9	58.8	52.6	46.6	41.4	38.9
17.5°	89.6	89.0	86.6	82.0	75.4	67.3	59.1	51.5	44.7	38.9	36.5
20°	92.6	92.3	89.6	84.1	77.1	68.1	58.8	50.1	42.7	36.5	33.8
22.5°	94.5	93.9	91.2	85.2	77.1	67.8	57.7	48.2	40.3	34.0	31.3
25°	95.0	94.8	91.5	85.0	76.2	66.4	56.1	46.3	37.8	31.6	28.9
26°	95.0	94.8	91.5	84.7	75.7	65.6	55.3	45.5	37.0	30.5	28.0
27.5°	94.8	94.5	90.9	83.9	74.6	64.3	53.6	43.8	35.4	29.1	26.4
30°	93.1	92.6	89.0	82.0	72.2	61.5	50.9	41.4	32.9	26.7	24.2
32.5°	89.6	89.0	85.2	78.7	69.4	58.5	47.9	38.7	30.5	24.2	22.1
35°	85.2	84.7	80.9	74.6	65.6	56.4	44.7	35.7	27.8	22.3	20.1
37.5°	79.8	79.0	75.7	69.2	61.0	53.9	41.9	32.7	25.3	20.1	18.2
40°	73.0	72.7	69.7	63.7	55.5	49.6	40.3	32.7	23.1	18.2	16.6
42.5°	66.4	65.9	63.2	58.0	50.6	43.3	35.4	31.3	21.5	16.3	15.0
45°	59.6	59.1	56.6	52.3	45.5	38.1	31.3	27.0	18.5	15.0	13.6
47.5°	52.3	51.7	49.8	46.6	40.6	34.0	27.8	22.1	16.9	13.3	12.3
50°	44.9	45.2	43.6	40.3	35.7	29.7	24.0	18.5	14.4	12.0	10.9
52.5°	37.6	37.3	36.2	34.0	30.8	25.6	20.4	15.8	12.5	10.6	10.1
55°	30.2	30.5	30.0	28.6	25.9	22.1	17.2	13.6	11.2	9.5	9.0
57.5°	25.0	25.3	24.2	23.4	21.2	18.0	14.2	11.4	9.5	8.4	7.9
60°	20.7	21.0	20.1	19.1	17.4	14.4	11.4	9.5	8.4	7.6	7.1
62.5°	16.9	16.6	16.1	15.0	13.6	11.4	9.3	7.9	7.1	6.5	6.3
65°	13.1	13.1	12.5	11.7	10.6	9.0	7.4	6.5	6.0	5.4	5.2
67.5°	9.8	9.8	9.3	8.7	7.6	6.5	5.7	5.2	4.9	4.4	4.1
70°	6.8	6.8	6.5	6.3	5.4	4.6	4.4	3.8	3.5	3.3	3.0
72.5°	4.4	4.4	4.4	3.8	3.5	3.0	3.0	2.7	2.5	2.2	2.2
75°	2.2	2.5	2.2	2.2	1.9	1.9	1.6	1.6	1.4	1.4	1.1
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	47.4	46.6	46.0	45.2	44.7	44.1	43.8	43.6	43.6	43.6
5°	46.0	44.7	43.3	41.9	41.1	40.3	39.5	39.2	38.9	38.9
7.5°	44.4	42.2	40.3	38.7	37.3	36.5	35.7	35.1	34.9	34.9
10°	42.2	39.5	37.3	35.1	33.8	32.7	32.1	31.3	31.3	31.0
12.5°	39.8	36.5	34.0	32.1	30.8	29.4	28.6	28.0	27.8	27.8
15°	37.0	33.8	31.0	28.9	27.5	26.1	25.3	24.8	24.5	24.5
17.5°	34.3	30.8	28.0	25.9	24.5	23.1	22.3	21.8	21.8	21.5
20°	31.6	28.0	25.3	23.1	21.8	20.7	19.9	19.3	19.1	19.3
22.5°	29.1	25.6	22.9	21.0	19.3	18.2	17.4	17.2	16.9	16.9
25°	26.4	23.1	20.7	18.8	17.4	16.3	15.5	15.2	15.0	14.7
26°	25.6	22.3	19.9	18.0	16.6	15.5	15.0	14.4	14.2	14.2
27.5°	24.5	21.0	18.8	16.9	15.5	14.7	13.9	13.6	13.3	13.3
30°	22.1	19.1	16.9	15.2	14.2	13.1	12.5	12.3	12.0	12.0
32.5°	20.1	17.2	15.2	13.9	12.8	12.0	11.4	10.9	10.9	10.9
35°	18.2	15.5	13.9	12.5	11.4	10.6	10.3	10.1	9.8	9.8
37.5°	16.6	14.2	12.5	11.4	10.6	9.8	9.3	9.0	9.0	9.0
40°	15.0	13.1	11.4	10.3	9.5	9.0	8.4	8.2	8.2	8.2
42.5°	13.6	11.7	10.6	9.5	8.7	8.2	7.9	7.6	7.4	7.4
45°	12.5	10.9	9.5	8.7	8.2	7.6	7.1	6.8	6.8	6.8
47.5°	11.2	10.1	8.7	7.9	7.4	6.8	6.5	6.3	6.3	6.3
50°	10.3	9.3	8.2	7.4	6.8	6.3	6.0	5.7	5.7	5.7
52.5°	9.3	8.4	7.6	6.8	6.3	5.7	5.4	5.2	5.2	5.2
55°	8.4	7.6	6.8	6.3	5.7	5.2	4.9	4.6	4.6	4.6
57.5°	7.6	6.8	6.3	5.7	5.2	4.9	4.4	4.4	4.1	4.1
60°	6.8	6.0	5.4	5.2	4.6	4.4	3.8	3.5	3.5	3.5
62.5°	5.7	5.4	4.9	4.4	3.8	3.5	3.3	3.0	3.0	3.0
65°	4.9	4.6	4.1	3.5	3.3	3.0	2.7	2.5	2.5	2.5
67.5°	4.1	3.5	3.3	3.0	2.7	2.5	2.2	1.9	1.6	1.9
70°	3.0	2.7	2.5	2.2	1.9	1.6	1.4	1.4	1.1	1.1
72.5°	1.9	1.6	1.6	1.4	1.1	1.1	0.8	0.8	0.5	0.5
75°	1.1	1.1	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.3
77.5°	0.5	0.3	0.3	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)