

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: P1446632

Luminaire Tested: P3ART02R709735DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

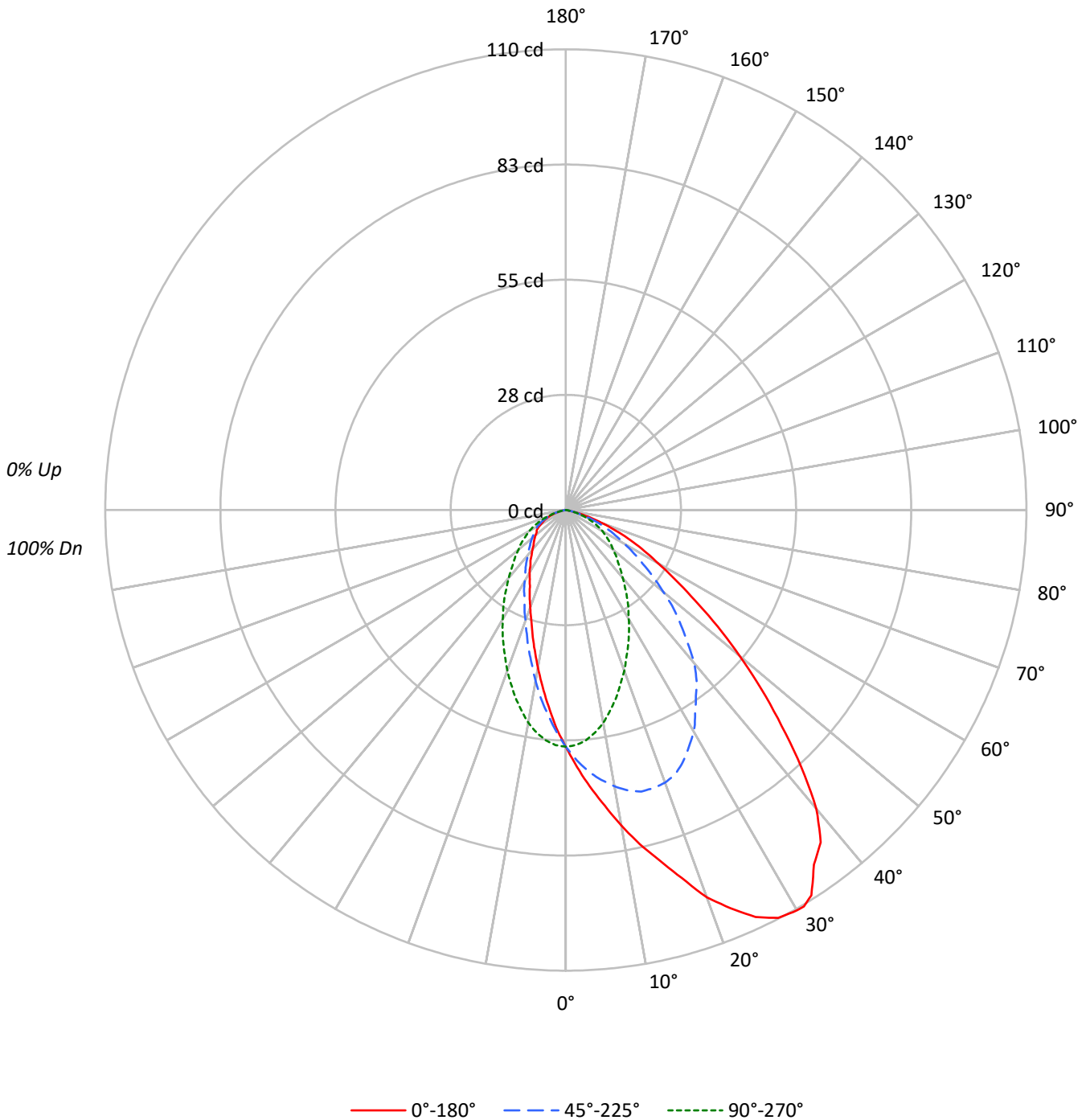
Test Method: LM-79-2019  
Report Number: P1446632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709735DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 115.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 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): 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	100			100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88	
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76	
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66	
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58	
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51			51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46			46	
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41			41	
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37			37	
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34			34	
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31			31	

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

	0°	45°	90°	135°	180°
0°	12389	12389	12389	12389	12389
5°	14594	13801	12151	10786	10368
10°	17034	14918	11489	9241	8506
15°	19660	15800	10534	7787	6969
20°	22962	16171	9521	6557	5787
25°	25937	16041	8541	5613	4912
30°	27954	15471	7621	4963	4380
35°	27653	14509	6826	4470	3935
40°	26650	13654	6069	4036	3550
45°	22607	12063	5458	3752	3349
50°	18490	10371	5015	3582	3241
55°	14375	8602	4741	3479	3250
60°	11183	7149	4429	3421	3026
65°	8821	5915	3891	3217	2906
70°	6091	4424	3142	2693	2500
75°	3050	2457	2203	1949	1694
80°	379	884	1263	884	379
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22607 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	4.6
10°-20°	14.7	12.8
20°-30°	21.7	18.9
30°-40°	24.3	21.2
40°-50°	21.4	18.6
50°-60°	15.3	13.3
60°-70°	9.1	7.9
70°-80°	3.0	2.6
80°-90°	0.1	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>41.7</b>	<b>36.3</b>
<b>0°-40°</b>	<b>66.0</b>	<b>57.4</b>
<b>0°-60°</b>	<b>102.8</b>	<b>89.4</b>
<b>0°-90°</b>	<b>115.0</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>115.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	66	63	55	49	47	7
15°	87	70	46	34	31	25
25°	107	66	35	23	20	49
35°	103	54	26	17	15	65
45°	73	39	18	12	11	56
55°	38	22	12	9	8	34
65°	17	11	8	6	6	17
75°	4	3	3	2	2	4
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°	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2.5°	61.4	61.4	61.4	60.8	60.8	59.8	59.1	58.2	57.5	56.5	56.2
5°	66.3	66.3	65.7	65.0	64.0	62.7	61.1	59.5	57.5	55.9	55.2
7.5°	71.2	71.6	70.6	69.3	67.3	65.0	62.7	60.1	57.2	54.9	53.6
10°	76.5	76.5	75.2	73.2	70.3	67.0	63.4	59.8	56.2	52.9	51.6
12.5°	81.7	81.4	79.7	76.8	73.2	68.6	63.7	59.1	54.9	51.0	49.0
15°	86.6	86.6	84.3	80.7	75.5	69.6	63.7	57.8	52.9	48.4	46.4
17.5°	92.1	92.1	89.2	83.6	77.1	69.6	62.7	56.2	50.6	45.7	43.5
20°	98.4	98.0	93.8	86.3	77.8	69.3	61.4	54.2	48.0	42.8	40.8
22.5°	102.9	102.6	97.7	88.5	78.1	68.3	59.1	51.6	45.4	40.2	37.9
25°	107.2	106.5	101.0	89.5	77.4	66.3	56.9	48.7	42.8	37.6	35.3
27.5°	109.8	109.5	103.3	89.2	75.8	63.7	53.9	46.1	39.9	34.6	32.7
30°	110.4	110.8	103.3	87.6	73.2	61.1	51.0	43.1	36.9	32.3	30.1
31°	110.4	110.8	102.6	86.6	72.2	59.8	49.7	42.2	35.6	31.0	29.1
32.5°	109.1	108.5	101.6	85.0	69.9	57.5	48.0	40.5	34.0	29.4	27.8
35°	103.3	103.6	98.4	81.4	66.7	54.2	44.8	37.2	31.0	27.1	25.5
37.5°	100.0	100.0	90.5	76.5	63.1	51.3	40.8	33.7	28.4	24.8	23.2
40°	93.1	92.1	83.3	71.2	58.8	47.7	38.6	31.4	26.1	22.5	21.2
42.5°	83.3	82.3	75.5	66.7	53.3	43.1	36.6	27.8	23.5	20.6	19.3
45°	72.9	72.2	67.0	58.8	48.0	38.9	31.7	25.5	21.6	18.6	17.6
47.5°	63.4	62.4	58.5	52.3	43.5	35.0	27.4	22.9	19.3	17.0	16.3
50°	54.2	53.9	50.6	45.7	38.6	30.4	24.2	20.3	17.6	15.7	14.7
52.5°	45.7	45.1	43.5	39.5	33.7	26.5	21.2	18.0	15.7	14.4	13.7
55°	37.6	37.6	35.9	33.3	28.8	22.5	18.6	16.0	14.1	13.1	12.4
57.5°	31.0	31.0	29.7	28.1	23.9	19.3	16.3	14.1	12.7	11.8	11.1
60°	25.5	25.5	24.5	22.9	19.9	16.3	14.1	12.4	11.4	10.5	10.1
62.5°	21.2	20.9	20.3	18.6	16.3	13.7	12.1	10.8	9.8	9.1	8.8
65°	17.0	16.7	16.0	14.7	13.1	11.4	10.1	9.1	8.5	7.8	7.5
67.5°	13.1	13.1	12.4	11.4	10.1	9.1	8.2	7.5	6.9	6.5	6.2
70°	9.5	9.5	9.1	8.5	7.5	6.9	6.2	5.9	5.6	5.2	4.9
72.5°	6.5	6.5	6.2	5.9	5.2	4.9	4.2	4.2	3.9	3.9	3.6
75°	3.6	3.6	3.6	3.3	3.3	2.9	2.9	2.9	2.6	2.6	2.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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°	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2.5°	55.9	54.9	54.2	53.9	52.9	52.6	52.3	52.0	52.0	52.0
5°	54.6	52.9	51.3	50.3	49.0	48.4	47.7	47.4	47.1	47.1
7.5°	52.3	50.3	48.4	46.7	45.4	44.1	43.5	42.8	42.8	42.5
10°	50.0	47.4	45.1	42.8	41.5	39.9	39.2	38.6	38.2	38.2
12.5°	47.4	44.1	41.5	39.5	37.6	36.3	35.3	34.6	34.3	34.3
15°	44.4	41.2	38.2	36.3	34.3	32.7	31.7	31.0	30.7	30.7
17.5°	41.5	38.2	35.0	33.0	31.0	29.4	28.8	28.1	27.8	27.4
20°	38.9	35.0	32.3	29.7	28.1	26.8	25.8	25.2	24.8	24.8
22.5°	35.9	32.3	29.4	27.4	25.8	24.5	23.2	22.9	22.5	22.5
25°	33.0	29.7	27.1	25.2	23.2	22.2	21.2	20.6	20.6	20.3
27.5°	30.7	27.4	24.8	22.9	21.6	20.3	19.6	19.0	18.6	18.6
30°	28.1	25.2	22.9	21.2	19.6	18.6	18.0	17.3	17.3	17.3
31°	27.4	24.5	22.2	20.3	19.0	18.0	17.3	17.0	16.7	16.7
32.5°	25.8	23.2	20.9	19.3	18.0	17.0	16.3	16.0	16.0	15.7
35°	23.9	21.2	19.3	17.6	16.7	15.7	15.0	14.7	14.7	14.7
37.5°	21.9	19.6	17.6	16.3	15.4	14.4	14.1	13.4	13.4	13.4
40°	19.9	18.0	16.3	15.0	14.1	13.4	13.1	12.7	12.4	12.4
42.5°	18.3	16.3	15.0	14.1	13.1	12.4	12.1	11.8	11.8	11.4
45°	16.7	15.0	14.1	13.1	12.1	11.8	11.4	11.1	10.8	10.8
47.5°	15.4	14.1	12.7	12.1	11.4	10.8	10.5	10.5	10.1	10.1
50°	14.1	12.7	11.8	11.1	10.5	10.1	9.8	9.8	9.5	9.5
52.5°	13.1	11.8	11.1	10.5	9.8	9.5	9.1	9.1	8.8	8.8
55°	11.8	10.8	10.1	9.8	9.1	8.8	8.5	8.2	8.2	8.5
57.5°	10.8	10.1	9.5	9.1	8.5	8.2	7.8	7.8	7.5	7.8
60°	9.8	9.1	8.5	8.2	7.8	7.5	7.2	6.9	6.9	6.9
62.5°	8.8	8.2	7.8	7.2	6.9	6.9	6.5	6.5	6.5	6.2
65°	7.5	7.2	6.9	6.5	6.2	5.9	5.9	5.6	5.6	5.6
67.5°	6.2	5.9	5.6	5.6	5.2	4.9	4.9	4.9	4.9	4.6
70°	4.9	4.6	4.6	4.2	4.2	4.2	3.9	3.9	3.9	3.9
72.5°	3.6	3.6	3.3	3.3	3.3	3.3	2.9	2.9	2.9	2.9
75°	2.6	2.6	2.6	2.3	2.3	2.3	2.0	2.0	2.0	2.0
77.5°	1.6	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.3
80°	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	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)