

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: P1446517

Luminaire Tested: P3ART02R709730DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

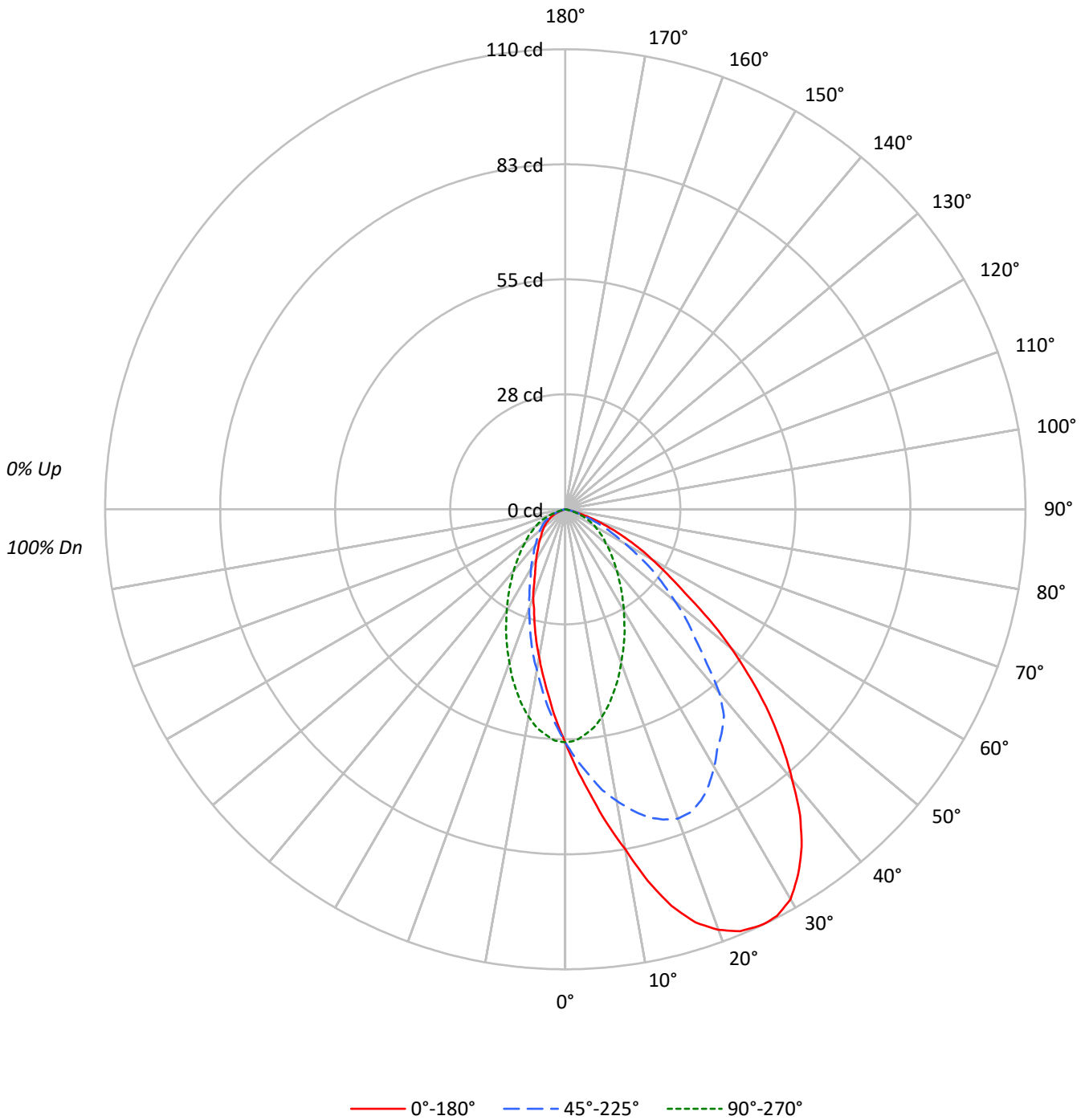
Test Method: LM-79-2019  
Report Number: P1446517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709730DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 111.0 lumens  
Efficiency: N/A  
Efficacy: 30.8 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 (A<sub>in</sub>): 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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

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

	0°	45°	90°	135°	180°
0°	12214	12214	12214	12214	12214
5°	15034	14000	11908	10456	9905
10°	18370	15765	11222	8684	7994
15°	22293	17299	10216	7219	6425
20°	24969	18365	9101	5881	5227
25°	26590	18582	8081	4863	4113
30°	27270	18028	7090	4153	3520
35°	26368	17454	6237	3534	3025
40°	24160	16402	5496	3149	2691
45°	21367	13676	4869	2915	2450
50°	17705	11701	4298	2695	2252
55°	13342	9749	3976	2523	2064
60°	10482	7324	3596	2368	1798
65°	7835	5396	3113	1972	1453
70°	5065	3462	2244	1410	833
75°	2118	1864	1101	508	254
80°	379	379	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21367 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	4.8
10°-20°	15.2	13.7
20°-30°	22.2	20.0
30°-40°	24.2	21.8
40°-50°	21.0	18.9
50°-60°	14.1	12.7
60°-70°	7.3	6.5
70°-80°	1.7	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°	42.7	38.5
0°-40°	67.0	60.4
0°-60°	102.0	91.9
0°-90°	111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	111.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	68	64	54	48	45	7
15°	98	76	45	32	28	28
25°	110	77	33	20	17	50
35°	98	65	23	13	11	61
45°	69	44	16	9	8	53
55°	35	26	10	7	5	32
65°	15	10	6	4	3	15
75°	2	2	1	1	0	3
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°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	62.0	61.7	61.7	61.1	60.4	59.8	58.9	57.9	57.0	56.0	55.4
5°	68.3	68.6	68.3	67.1	65.5	63.6	61.7	59.5	57.3	55.4	54.1
7.5°	75.6	75.6	74.6	73.0	70.8	67.7	64.5	60.8	57.3	54.1	52.6
10°	82.5	82.5	80.9	78.4	74.9	70.8	66.4	61.4	56.7	52.3	50.4
12.5°	91.0	90.7	88.8	84.7	79.7	73.7	67.7	61.4	55.7	50.4	47.9
15°	98.2	97.9	95.4	90.4	83.7	76.2	68.0	60.8	53.8	47.9	45.0
17.5°	103.6	102.9	100.1	94.8	87.2	77.8	68.3	59.5	51.6	45.0	42.2
20°	107.0	106.7	103.6	97.3	89.1	78.7	68.0	57.9	49.4	42.2	39.0
22.5°	109.2	108.6	105.5	98.5	89.1	78.4	66.7	55.7	46.6	39.4	36.2
25°	109.9	109.6	105.8	98.2	88.2	76.8	64.9	53.5	43.8	36.5	33.4
26°	109.9	109.6	105.8	97.9	87.5	75.9	63.9	52.6	42.8	35.3	32.4
27.5°	109.6	109.2	105.2	97.0	86.3	74.3	62.0	50.7	40.9	33.7	30.5
30°	107.7	107.0	102.9	94.8	83.4	71.2	58.9	47.9	38.1	30.9	28.0
32.5°	103.6	102.9	98.5	91.0	80.3	67.7	55.4	44.7	35.3	28.0	25.5
35°	98.5	97.9	93.5	86.3	75.9	65.2	51.6	41.2	32.1	25.8	23.3
37.5°	92.2	91.3	87.5	80.0	70.5	62.3	48.5	37.8	29.3	23.3	21.1
40°	84.4	84.1	80.6	73.7	64.2	57.3	46.6	37.8	26.8	21.1	19.2
42.5°	76.8	76.2	73.0	67.1	58.6	50.1	40.9	36.2	24.9	18.9	17.3
45°	68.9	68.3	65.5	60.4	52.6	44.1	44.1	31.2	21.4	17.3	15.7
47.5°	60.4	59.8	57.6	53.8	46.9	39.4	32.1	25.5	19.5	15.4	14.2
50°	51.9	52.3	50.4	46.6	41.2	34.3	27.7	21.4	16.7	13.9	12.6
52.5°	43.4	43.1	41.9	39.4	35.6	29.6	23.6	18.3	14.5	12.3	11.6
55°	34.9	35.3	34.6	33.1	29.9	25.5	19.8	15.7	12.9	11.0	10.4
57.5°	29.0	29.3	28.0	27.1	24.6	20.8	16.4	13.2	11.0	9.8	9.1
60°	23.9	24.2	23.3	22.0	20.1	16.7	13.2	11.0	9.8	8.8	8.2
62.5°	19.5	19.2	18.6	17.3	15.7	13.2	10.7	9.1	8.2	7.6	7.2
65°	15.1	15.1	14.5	13.5	12.3	10.4	8.5	7.6	6.9	6.3	6.0
67.5°	11.3	11.3	10.7	10.1	8.8	7.6	6.6	6.0	5.7	5.0	4.7
70°	7.9	7.9	7.6	7.2	6.3	5.4	5.0	4.4	4.1	3.8	3.5
72.5°	5.0	5.0	5.0	4.4	4.1	3.5	3.5	3.1	2.8	2.5	2.5
75°	2.5	2.8	2.5	2.5	2.2	2.2	1.9	1.9	1.6	1.6	1.3
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6
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°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	54.8	53.8	53.2	52.3	51.6	51.0	50.7	50.4	50.4	50.4
5°	53.2	51.6	50.1	48.5	47.5	46.6	45.6	45.3	45.0	45.0
7.5°	51.3	48.8	46.6	44.7	43.1	42.2	41.2	40.6	40.3	40.3
10°	48.8	45.6	43.1	40.6	39.0	37.8	37.1	36.2	36.2	35.9
12.5°	46.0	42.2	39.4	37.1	35.6	34.0	33.1	32.4	32.1	32.1
15°	42.8	39.0	35.9	33.4	31.8	30.2	29.3	28.6	28.3	28.3
17.5°	39.7	35.6	32.4	29.9	28.3	26.8	25.8	25.2	25.2	24.9
20°	36.5	32.4	29.3	26.8	25.2	23.9	23.0	22.4	22.0	22.4
22.5°	33.7	29.6	26.4	24.2	22.4	21.1	20.1	19.8	19.5	19.5
25°	30.5	26.8	23.9	21.7	20.1	18.9	17.9	17.6	17.3	17.0
26°	29.6	25.8	23.0	20.8	19.2	17.9	17.3	16.7	16.4	16.4
27.5°	28.3	24.2	21.7	19.5	17.9	17.0	16.1	15.7	15.4	15.4
30°	25.5	22.0	19.5	17.6	16.4	15.1	14.5	14.2	13.9	13.9
32.5°	23.3	19.8	17.6	16.1	14.8	13.9	13.2	12.6	12.6	12.6
35°	21.1	17.9	16.1	14.5	13.2	12.3	12.0	11.6	11.3	11.3
37.5°	19.2	16.4	14.5	13.2	12.3	11.3	10.7	10.4	10.4	10.4
40°	17.3	15.1	13.2	12.0	11.0	10.4	9.8	9.4	9.4	9.4
42.5°	15.7	13.5	12.3	11.0	10.1	9.4	9.1	8.8	8.5	8.5
45°	14.5	12.6	11.0	10.1	9.4	8.8	8.2	7.9	7.9	7.9
47.5°	12.9	11.6	10.1	9.1	8.5	7.9	7.6	7.2	7.2	7.2
50°	12.0	10.7	9.4	8.5	7.9	7.2	6.9	6.6	6.6	6.6
52.5°	10.7	9.8	8.8	7.9	7.2	6.6	6.3	6.0	6.0	6.0
55°	9.8	8.8	7.9	7.2	6.6	6.0	5.7	5.4	5.4	5.4
57.5°	8.8	7.9	7.2	6.6	6.0	5.7	5.0	5.0	4.7	4.7
60°	7.9	6.9	6.3	6.0	5.4	5.0	4.4	4.1	4.1	4.1
62.5°	6.6	6.3	5.7	5.0	4.4	4.1	3.8	3.5	3.5	3.5
65°	5.7	5.4	4.7	4.1	3.8	3.5	3.1	2.8	2.8	2.8
67.5°	4.7	4.1	3.8	3.5	3.1	2.8	2.5	2.2	1.9	2.2
70°	3.5	3.1	2.8	2.5	2.2	1.9	1.6	1.6	1.3	1.3
72.5°	2.2	1.9	1.9	1.6	1.3	1.3	0.9	0.9	0.6	0.6
75°	1.3	1.3	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3
77.5°	0.6	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)