

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: P1445722

Luminaire Tested: P3ART02R709027DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1445722  
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: P3ART02R709027DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

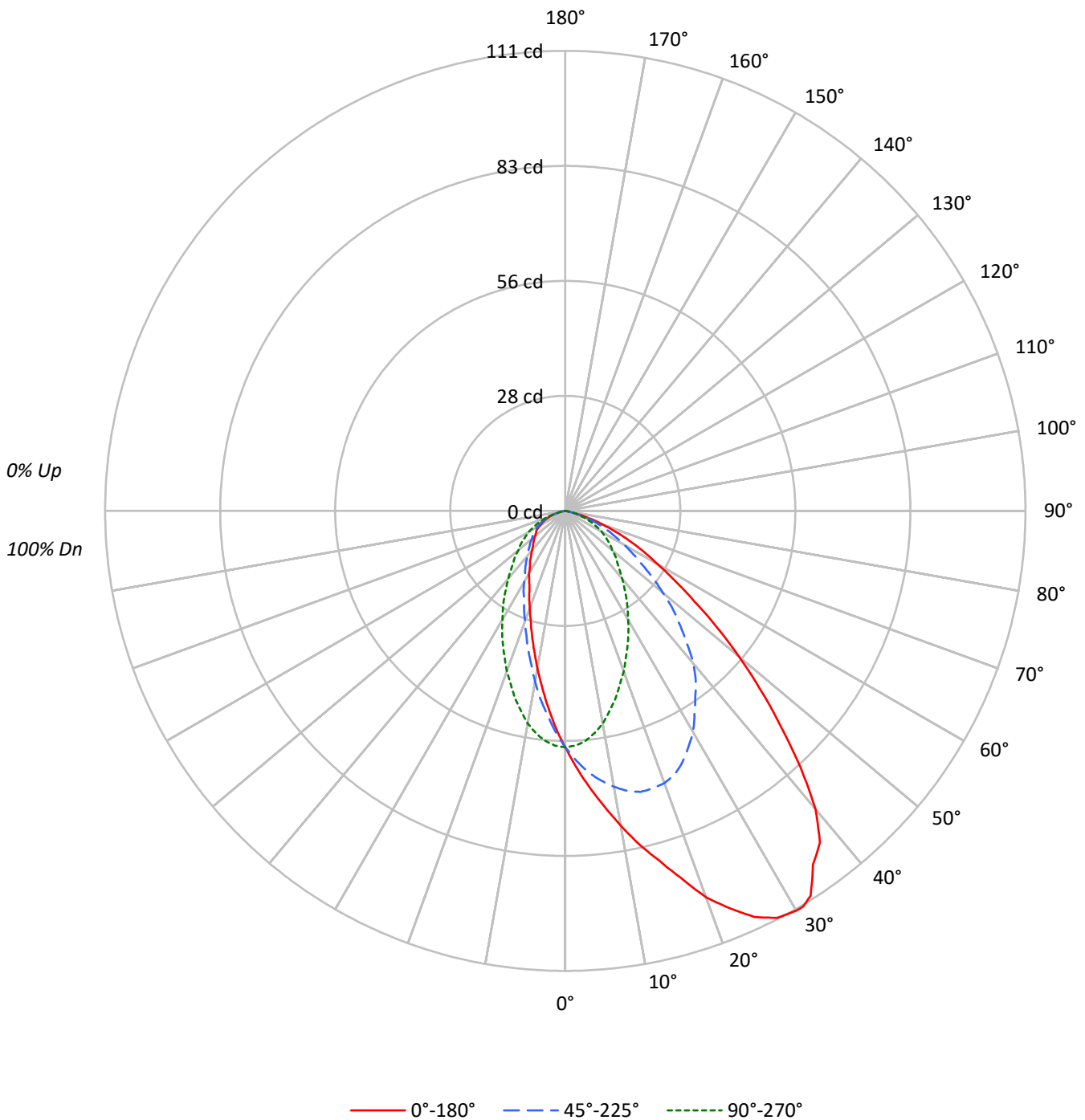
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 116.0 lumens  
Efficiency: N/A  
Efficacy: 32.2 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 (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
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	48	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°	12499	12499	12499	12499	12499
5°	14726	13933	12261	10874	10456
10°	17167	15052	11601	9330	8595
15°	19819	15937	10624	7855	7037
20°	23149	16311	9614	6604	5834
25°	26155	16186	8613	5662	4936
30°	28207	15597	7672	5013	4431
35°	27894	14643	6880	4497	3962
40°	26879	13769	6126	4065	3578
45°	22793	12156	5520	3783	3380
50°	18660	10473	5049	3582	3275
55°	14489	8678	4779	3517	3288
60°	11271	7236	4473	3465	3026
65°	8873	5967	3943	3269	2906
70°	6155	4424	3142	2757	2565
75°	3050	2542	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: 22793 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	4.6
10°-20°	14.9	12.8
20°-30°	21.9	18.9
30°-40°	24.5	21.2
40°-50°	21.6	18.6
50°-60°	15.4	13.3
60°-70°	9.1	7.9
70°-80°	3.1	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>42.1</b>	<b>36.3</b>
<b>0°-40°</b>	<b>66.6</b>	<b>57.4</b>
<b>0°-60°</b>	<b>103.6</b>	<b>89.4</b>
<b>0°-90°</b>	<b>116.0</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>116.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	67	63	56	49	48	7
15°	87	70	47	35	31	25
25°	108	67	36	23	20	50
35°	104	55	26	17	15	65
45°	74	39	18	12	11	57
55°	38	23	12	9	9	35
65°	17	12	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°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	62.0	62.0	62.0	61.3	61.3	60.3	59.7	58.7	58.0	57.0	56.7
5°	66.9	66.9	66.2	65.6	64.6	63.3	61.6	60.0	58.0	56.4	55.7
7.5°	71.9	72.2	71.2	69.9	67.9	65.6	63.3	60.6	57.7	55.4	54.1
10°	77.1	77.1	75.8	73.8	70.9	67.6	63.9	60.3	56.7	53.4	52.1
12.5°	82.4	82.1	80.4	77.5	73.8	69.2	64.3	59.7	55.4	51.4	49.4
15°	87.3	87.3	85.0	81.4	76.1	70.2	64.3	58.3	53.4	48.8	46.8
17.5°	92.9	92.9	90.0	84.4	77.8	70.2	63.3	56.7	51.1	46.1	43.8
20°	99.2	98.9	94.6	87.0	78.4	69.9	62.0	54.7	48.4	43.2	41.2
22.5°	103.8	103.5	98.5	89.3	78.8	68.9	59.7	52.1	45.8	40.5	38.2
25°	108.1	107.4	101.8	90.3	78.1	66.9	57.3	49.1	43.2	37.9	35.6
27.5°	110.7	110.4	104.2	90.0	76.5	64.3	54.4	46.5	40.2	34.9	33.0
30°	111.4	111.7	104.2	88.3	73.8	61.6	51.4	43.5	37.2	32.6	30.3
31°	111.4	111.7	103.5	87.3	72.8	60.3	50.1	42.5	35.9	31.3	29.3
32.5°	110.1	109.4	102.5	85.7	70.5	58.0	48.4	40.9	34.3	29.7	28.0
35°	104.2	104.5	99.2	82.1	67.2	54.7	45.2	37.6	31.3	27.4	25.7
37.5°	100.9	100.9	91.3	77.1	63.6	51.7	41.2	33.9	28.7	25.0	23.4
40°	93.9	92.9	84.0	71.9	59.3	48.1	38.9	31.6	26.4	22.7	21.4
42.5°	84.0	83.1	76.1	67.2	53.7	43.5	36.9	28.0	23.7	20.8	19.4
45°	73.5	72.8	67.6	59.3	48.4	39.2	32.0	25.7	21.8	18.8	17.8
47.5°	63.9	63.0	59.0	52.7	43.8	35.3	27.7	23.1	19.4	17.1	16.5
50°	54.7	54.4	51.1	46.1	38.9	30.7	24.4	20.4	17.8	15.8	14.8
52.5°	46.1	45.5	43.8	39.9	33.9	26.7	21.4	18.1	15.8	14.5	13.8
55°	37.9	37.9	36.3	33.6	29.0	22.7	18.8	16.1	14.2	13.2	12.5
57.5°	31.3	31.3	30.0	28.3	24.1	19.4	16.5	14.2	12.9	11.9	11.2
60°	25.7	25.7	24.7	23.1	20.1	16.5	14.2	12.5	11.5	10.5	10.2
62.5°	21.4	21.1	20.4	18.8	16.5	13.8	12.2	10.9	9.9	9.2	8.9
65°	17.1	16.8	16.1	14.8	13.2	11.5	10.2	9.2	8.6	7.9	7.6
67.5°	13.2	13.2	12.5	11.5	10.2	9.2	8.2	7.6	6.9	6.6	6.3
70°	9.6	9.6	9.2	8.6	7.6	6.9	6.3	5.9	5.6	5.3	4.9
72.5°	6.6	6.6	6.3	5.9	5.3	4.9	4.3	4.3	4.0	4.0	3.6
75°	3.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0	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°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	56.4	55.4	54.7	54.4	53.4	53.1	52.7	52.4	52.4	52.4
5°	55.0	53.4	51.7	50.8	49.4	48.8	48.1	47.8	47.5	47.5
7.5°	52.7	50.8	48.8	47.1	45.8	44.5	43.8	43.2	43.2	42.8
10°	50.4	47.8	45.5	43.2	41.9	40.2	39.6	38.9	38.6	38.6
12.5°	47.8	44.5	41.9	39.9	37.9	36.6	35.6	34.9	34.6	34.6
15°	44.8	41.5	38.6	36.6	34.6	33.0	32.0	31.3	31.0	31.0
17.5°	41.9	38.6	35.3	33.3	31.3	29.7	29.0	28.3	28.0	27.7
20°	39.2	35.3	32.6	30.0	28.3	27.0	26.0	25.4	25.0	25.0
22.5°	36.3	32.6	29.7	27.7	26.0	24.7	23.4	23.1	22.7	22.7
25°	33.3	30.0	27.4	25.4	23.4	22.4	21.4	20.8	20.8	20.4
27.5°	31.0	27.7	25.0	23.1	21.8	20.4	19.8	19.1	18.8	18.8
30°	28.3	25.4	23.1	21.4	19.8	18.8	18.1	17.5	17.5	17.5
31°	27.7	24.7	22.4	20.4	19.1	18.1	17.5	17.1	16.8	16.8
32.5°	26.0	23.4	21.1	19.4	18.1	17.1	16.5	16.1	16.1	15.8
35°	24.1	21.4	19.4	17.8	16.8	15.8	15.2	14.8	14.8	14.8
37.5°	22.1	19.8	17.8	16.5	15.5	14.5	14.2	13.5	13.5	13.5
40°	20.1	18.1	16.5	15.2	14.2	13.5	13.2	12.9	12.5	12.5
42.5°	18.5	16.5	15.2	14.2	13.2	12.5	12.2	11.9	11.9	11.5
45°	16.8	15.2	14.2	13.2	12.2	11.9	11.5	11.2	10.9	10.9
47.5°	15.5	14.2	12.9	12.2	11.5	10.9	10.5	10.5	10.2	10.2
50°	14.2	12.9	11.9	11.2	10.5	10.2	9.9	9.9	9.6	9.6
52.5°	13.2	11.9	11.2	10.5	9.9	9.6	9.2	9.2	8.9	8.9
55°	11.9	10.9	10.2	9.9	9.2	8.9	8.6	8.2	8.2	8.6
57.5°	10.9	10.2	9.6	9.2	8.6	8.2	7.9	7.9	7.6	7.9
60°	9.9	9.2	8.6	8.2	7.9	7.6	7.3	6.9	6.9	6.9
62.5°	8.9	8.2	7.9	7.3	6.9	6.9	6.6	6.6	6.6	6.3
65°	7.6	7.3	6.9	6.6	6.3	5.9	5.9	5.6	5.6	5.6
67.5°	6.3	5.9	5.6	5.6	5.3	4.9	4.9	4.9	4.9	4.6
70°	4.9	4.6	4.6	4.3	4.3	4.3	4.0	4.0	4.0	4.0
72.5°	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0	3.0
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)