

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: P3ART05R709830DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

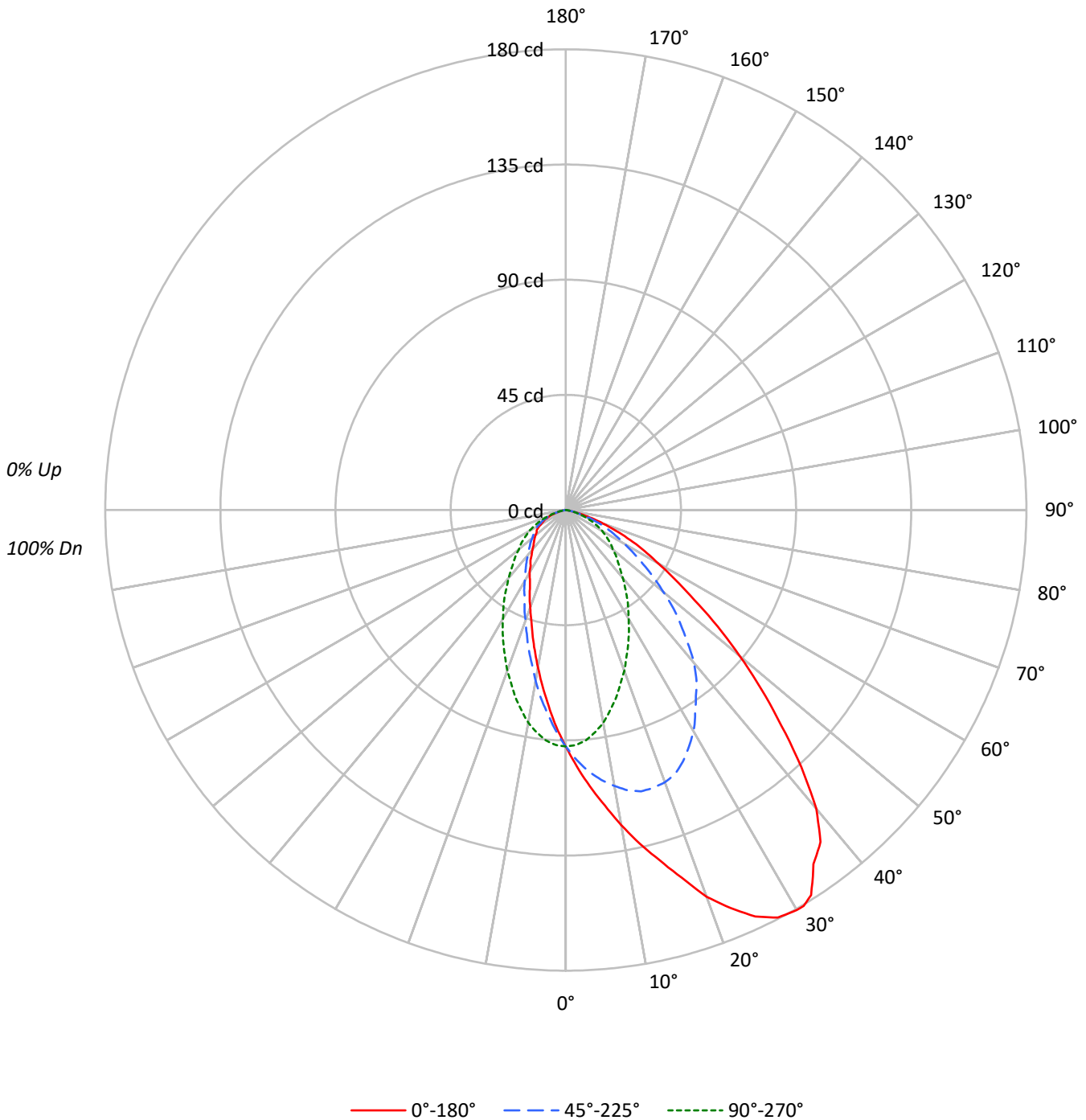
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709830DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 188.0 lumens  
Efficiency: N/A  
Efficacy: 26.1 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

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

	0°	45°	90°	135°	180°
0°	20262	20262	20262	20262	20262
5°	23861	22584	19877	17631	16927
10°	27833	24382	18793	15097	13916
15°	32145	25834	17231	12736	11396
20°	37523	26416	15588	10711	9474
25°	42390	26227	13960	9170	8009
30°	45703	25295	12432	8103	7166
35°	45186	23744	11163	7281	6425
40°	43567	22328	9933	6584	5811
45°	36934	19723	8931	6140	5458
50°	30259	16955	8187	5833	5288
55°	23473	14107	7761	5735	5314
60°	18288	11710	7280	5614	4912
65°	14424	9703	6382	5241	4722
70°	9938	7181	5129	4424	4103
75°	4999	4067	3643	3135	2711
80°	631	1389	2020	1389	631
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 36934 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	4.6
10°-20°	24.1	12.8
20°-30°	35.5	18.9
30°-40°	39.8	21.2
40°-50°	35.0	18.6
50°-60°	25.0	13.3
60°-70°	14.8	7.9
70°-80°	5.0	2.6
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>68.2</b>	<b>36.3</b>
<b>0°-40°</b>	<b>108.0</b>	<b>57.4</b>
<b>0°-60°</b>	<b>168.0</b>	<b>89.3</b>
<b>0°-90°</b>	<b>188.0</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>188.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	108	103	90	80	77	11
15°	142	114	76	56	50	41
25°	175	108	58	38	33	81
35°	169	89	42	27	24	106
45°	119	64	29	20	18	92
55°	61	37	20	15	14	56
65°	28	19	12	10	9	28
75°	6	5	4	4	3	7
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°	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2.5°	100.4	100.4	100.4	99.4	99.4	97.8	96.7	95.1	94.0	92.4	91.9
5°	108.4	108.4	107.4	106.3	104.7	102.6	99.9	97.2	94.0	91.3	90.3
7.5°	116.4	117.0	115.4	113.2	110.0	106.3	102.6	98.3	93.5	89.7	87.6
10°	125.0	125.0	122.9	119.7	114.8	109.5	103.6	97.8	91.9	86.5	84.4
12.5°	133.5	133.0	130.3	125.5	119.7	112.2	104.2	96.7	89.7	83.3	80.1
15°	141.6	141.6	137.8	131.9	123.4	113.8	104.2	94.5	86.5	79.1	75.9
17.5°	150.6	150.6	145.8	136.7	126.1	113.8	102.6	91.9	82.8	74.8	71.0
20°	160.8	160.2	153.3	141.0	127.1	113.2	100.4	88.7	78.5	70.0	66.8
22.5°	168.3	167.7	159.7	144.8	127.7	111.6	96.7	84.4	74.2	65.7	62.0
25°	175.2	174.1	165.1	146.4	126.6	108.4	92.9	79.6	70.0	61.4	57.7
27.5°	179.5	178.9	168.8	145.8	123.9	104.2	88.1	75.3	65.2	56.6	53.4
30°	180.5	181.1	168.8	143.2	119.7	99.9	83.3	70.5	60.4	52.9	49.1
31°	180.5	181.1	167.7	141.6	118.0	97.8	81.2	68.9	58.2	50.7	47.5
32.5°	178.4	177.3	166.1	138.9	114.3	94.0	78.5	66.2	55.6	48.1	45.4
35°	168.8	169.3	160.8	133.0	109.0	88.7	73.2	60.9	50.7	44.3	41.7
37.5°	163.5	163.5	148.0	125.0	103.1	83.9	66.8	55.0	46.5	40.6	37.9
40°	152.2	150.6	136.2	116.4	96.1	78.0	63.0	51.3	42.7	36.9	34.7
42.5°	136.2	134.6	123.4	109.0	87.1	70.5	59.8	45.4	38.5	33.7	31.5
45°	119.1	118.0	109.5	96.1	78.5	63.6	51.8	41.7	35.3	30.4	28.8
47.5°	103.6	102.0	95.6	85.5	71.0	57.2	44.9	37.4	31.5	27.8	26.7
50°	88.7	88.1	82.8	74.8	63.0	49.7	39.5	33.1	28.8	25.6	24.0
52.5°	74.8	73.7	71.0	64.6	55.0	43.3	34.7	29.4	25.6	23.5	22.4
55°	61.4	61.4	58.8	54.5	47.0	36.9	30.4	26.2	23.0	21.4	20.3
57.5°	50.7	50.7	48.6	45.9	39.0	31.5	26.7	23.0	20.8	19.2	18.2
60°	41.7	41.7	40.1	37.4	32.6	26.7	23.0	20.3	18.7	17.1	16.6
62.5°	34.7	34.2	33.1	30.4	26.7	22.4	19.8	17.6	16.0	15.0	14.4
65°	27.8	27.2	26.2	24.0	21.4	18.7	16.6	15.0	13.9	12.8	12.3
67.5°	21.4	21.4	20.3	18.7	16.6	15.0	13.4	12.3	11.2	10.7	10.1
70°	15.5	15.5	15.0	13.9	12.3	11.2	10.1	9.6	9.1	8.5	8.0
72.5°	10.7	10.7	10.1	9.6	8.5	8.0	6.9	6.9	6.4	6.4	5.9
75°	5.9	5.9	5.9	5.3	5.3	4.8	4.8	4.8	4.3	4.3	4.3
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.6	1.6	1.6
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°	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2.5°	91.3	89.7	88.7	88.1	86.5	86.0	85.5	84.9	84.9	84.9
5°	89.2	86.5	83.9	82.3	80.1	79.1	78.0	77.5	76.9	76.9
7.5°	85.5	82.3	79.1	76.4	74.2	72.1	71.0	70.0	70.0	69.4
10°	81.7	77.5	73.7	70.0	67.8	65.2	64.1	63.0	62.5	62.5
12.5°	77.5	72.1	67.8	64.6	61.4	59.3	57.7	56.6	56.1	56.1
15°	72.6	67.3	62.5	59.3	56.1	53.4	51.8	50.7	50.2	50.2
17.5°	67.8	62.5	57.2	54.0	50.7	48.1	47.0	45.9	45.4	44.9
20°	63.6	57.2	52.9	48.6	45.9	43.8	42.2	41.1	40.6	40.6
22.5°	58.8	52.9	48.1	44.9	42.2	40.1	37.9	37.4	36.9	36.9
25°	54.0	48.6	44.3	41.1	37.9	36.3	34.7	33.7	33.7	33.1
27.5°	50.2	44.9	40.6	37.4	35.3	33.1	32.0	31.0	30.4	30.4
30°	45.9	41.1	37.4	34.7	32.0	30.4	29.4	28.3	28.3	28.3
31°	44.9	40.1	36.3	33.1	31.0	29.4	28.3	27.8	27.2	27.2
32.5°	42.2	37.9	34.2	31.5	29.4	27.8	26.7	26.2	26.2	25.6
35°	39.0	34.7	31.5	28.8	27.2	25.6	24.6	24.0	24.0	24.0
37.5°	35.8	32.0	28.8	26.7	25.1	23.5	23.0	21.9	21.9	21.9
40°	32.6	29.4	26.7	24.6	23.0	21.9	21.4	20.8	20.3	20.3
42.5°	29.9	26.7	24.6	23.0	21.4	20.3	19.8	19.2	19.2	18.7
45°	27.2	24.6	23.0	21.4	19.8	19.2	18.7	18.2	17.6	17.6
47.5°	25.1	23.0	20.8	19.8	18.7	17.6	17.1	17.1	16.6	16.6
50°	23.0	20.8	19.2	18.2	17.1	16.6	16.0	16.0	15.5	15.5
52.5°	21.4	19.2	18.2	17.1	16.0	15.5	15.0	15.0	14.4	14.4
55°	19.2	17.6	16.6	16.0	15.0	14.4	13.9	13.4	13.4	13.9
57.5°	17.6	16.6	15.5	15.0	13.9	13.4	12.8	12.8	12.3	12.8
60°	16.0	15.0	13.9	13.4	12.8	12.3	11.8	11.2	11.2	11.2
62.5°	14.4	13.4	12.8	11.8	11.2	11.2	10.7	10.7	10.7	10.1
65°	12.3	11.8	11.2	10.7	10.1	9.6	9.6	9.1	9.1	9.1
67.5°	10.1	9.6	9.1	9.1	8.5	8.0	8.0	8.0	8.0	7.5
70°	8.0	7.5	7.5	6.9	6.9	6.9	6.4	6.4	6.4	6.4
72.5°	5.9	5.9	5.3	5.3	5.3	5.3	4.8	4.8	4.8	4.8
75°	4.3	4.3	4.3	3.7	3.7	3.7	3.2	3.2	3.2	3.2
77.5°	2.7	2.7	2.7	2.7	2.7	2.1	2.1	2.1	2.1	2.1
80°	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.1	1.1	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)