

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: P3ART09R709835DE010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

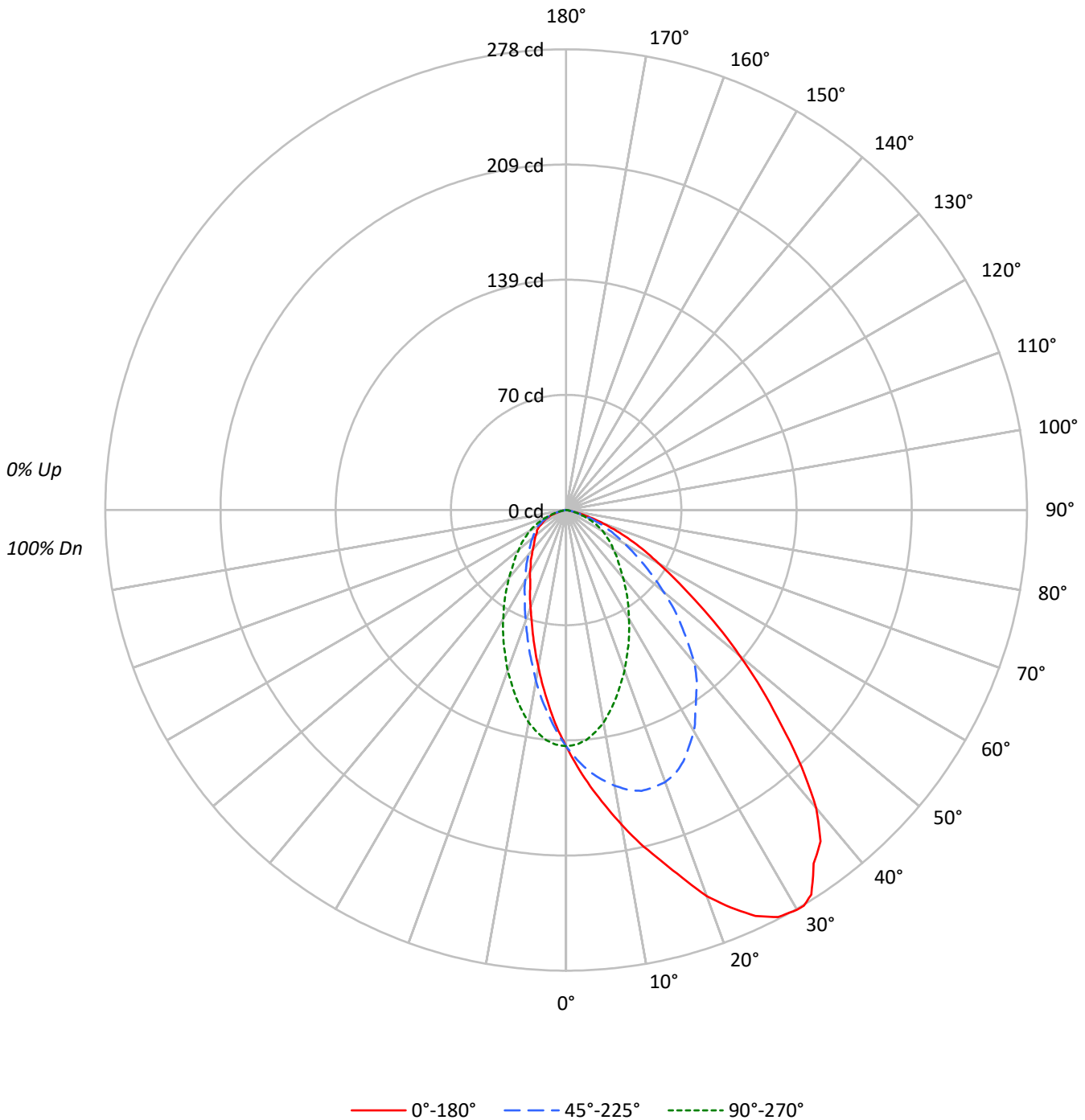
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709835DE010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 290.0 lumens  
Efficiency: N/A  
Efficacy: 26.4 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): 11  
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	0
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	47	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°	31247	31247	31247	31247	31247
5°	36826	34823	30662	27207	26128
10°	42930	37608	28991	23291	21465
15°	49580	39841	26561	19637	17594
20°	57872	40767	24035	16545	14608
25°	65399	40478	21534	14154	12364
30°	70517	39019	19193	12508	11065
35°	69707	36620	17213	11243	9931
40°	67212	34436	15343	10133	8960
45°	56967	30422	13800	9458	8435
50°	46668	26131	12656	9006	8153
55°	36242	21753	11966	8831	8181
60°	28199	18069	11183	8684	7587
65°	22207	14943	9858	8146	7264
70°	15323	11092	7950	6860	6347
75°	7710	6270	5592	4914	4151
80°	1010	2020	3157	2020	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 56967 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	4.6
10°-20°	37.1	12.8
20°-30°	54.7	18.9
30°-40°	61.4	21.2
40°-50°	53.9	18.6
50°-60°	38.6	13.3
60°-70°	22.9	7.9
70°-80°	7.7	2.6
80°-90°	0.4	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
0°-30°	105.2	36.3
0°-40°	166.6	57.4
0°-60°	259.1	89.3
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	167	158	139	124	119	17
15°	218	176	117	86	78	63
25°	270	167	89	58	51	124
35°	260	137	64	42	37	164
45°	184	98	44	30	27	142
55°	95	57	31	23	21	87
65°	43	29	19	16	14	43
75°	9	7	7	6	5	11
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°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	154.9	154.9	154.9	153.3	153.3	150.8	149.1	146.7	145.0	142.5	141.7
5°	167.3	167.3	165.6	164.0	161.5	158.2	154.1	150.0	145.0	140.9	139.3
7.5°	179.6	180.4	178.0	174.7	169.7	164.0	158.2	151.6	144.2	138.4	135.1
10°	192.8	192.8	189.5	184.6	177.2	168.9	159.9	150.8	141.7	133.5	130.2
12.5°	206.0	205.2	201.0	193.6	184.6	173.0	160.7	149.1	138.4	128.5	123.6
15°	218.4	218.4	212.6	203.5	190.3	175.5	160.7	145.8	133.5	121.9	117.0
17.5°	232.4	232.4	224.9	210.9	194.5	175.5	158.2	141.7	127.7	115.4	109.6
20°	248.0	247.2	236.5	217.5	196.1	174.7	154.9	136.8	121.1	107.9	103.0
22.5°	259.6	258.7	246.4	223.3	196.9	172.2	149.1	130.2	114.5	101.3	95.6
25°	270.3	268.6	254.6	225.8	195.3	167.3	143.4	122.8	107.9	94.8	89.0
27.5°	276.9	276.0	260.4	224.9	191.2	160.7	136.0	116.2	100.5	87.3	82.4
30°	278.5	279.3	260.4	220.8	184.6	154.1	128.5	108.8	93.1	81.6	75.8
31°	278.5	279.3	258.7	218.4	182.1	150.8	125.2	106.3	89.8	78.3	73.3
32.5°	275.2	273.6	256.3	214.2	176.3	145.0	121.1	102.2	85.7	74.2	70.0
35°	260.4	261.2	248.0	205.2	168.1	136.8	112.9	93.9	78.3	68.4	64.3
37.5°	252.1	252.1	228.2	192.8	159.0	129.4	103.0	84.9	71.7	62.6	58.5
40°	234.8	232.4	210.1	179.6	148.3	120.3	97.2	79.1	65.9	56.9	53.6
42.5°	210.1	207.6	190.3	168.1	134.3	108.8	92.3	70.0	59.3	51.9	48.6
45°	183.7	182.1	168.9	148.3	121.1	98.1	79.9	64.3	54.4	47.0	44.5
47.5°	159.9	157.4	147.5	131.8	109.6	88.2	69.2	57.7	48.6	42.8	41.2
50°	136.8	136.0	127.7	115.4	97.2	76.6	61.0	51.1	44.5	39.6	37.1
52.5°	115.4	113.7	109.6	99.7	84.9	66.7	53.6	45.3	39.6	36.3	34.6
55°	94.8	94.8	90.6	84.0	72.5	56.9	47.0	40.4	35.4	33.0	31.3
57.5°	78.3	78.3	75.0	70.9	60.1	48.6	41.2	35.4	32.1	29.7	28.0
60°	64.3	64.3	61.8	57.7	50.3	41.2	35.4	31.3	28.8	26.4	25.5
62.5°	53.6	52.7	51.1	47.0	41.2	34.6	30.5	27.2	24.7	23.1	22.2
65°	42.8	42.0	40.4	37.1	33.0	28.8	25.5	23.1	21.4	19.8	19.0
67.5°	33.0	33.0	31.3	28.8	25.5	23.1	20.6	19.0	17.3	16.5	15.7
70°	23.9	23.9	23.1	21.4	19.0	17.3	15.7	14.8	14.0	13.2	12.4
72.5°	16.5	16.5	15.7	14.8	13.2	12.4	10.7	10.7	9.9	9.9	9.1
75°	9.1	9.1	9.1	8.2	8.2	7.4	7.4	7.4	6.6	6.6	6.6
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.5	2.5	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	140.9	138.4	136.8	136.0	133.5	132.7	131.8	131.0	131.0	131.0
5°	137.6	133.5	129.4	126.9	123.6	121.9	120.3	119.5	118.7	118.7
7.5°	131.8	126.9	121.9	117.8	114.5	111.2	109.6	107.9	107.9	107.1
10°	126.1	119.5	113.7	107.9	104.6	100.5	98.9	97.2	96.4	96.4
12.5°	119.5	111.2	104.6	99.7	94.8	91.5	89.0	87.3	86.5	86.5
15°	112.1	103.8	96.4	91.5	86.5	82.4	79.9	78.3	77.5	77.5
17.5°	104.6	96.4	88.2	83.2	78.3	74.2	72.5	70.9	70.0	69.2
20°	98.1	88.2	81.6	75.0	70.9	67.6	65.1	63.4	62.6	62.6
22.5°	90.6	81.6	74.2	69.2	65.1	61.8	58.5	57.7	56.9	56.9
25°	83.2	75.0	68.4	63.4	58.5	56.0	53.6	51.9	51.9	51.1
27.5°	77.5	69.2	62.6	57.7	54.4	51.1	49.4	47.8	47.0	47.0
30°	70.9	63.4	57.7	53.6	49.4	47.0	45.3	43.7	43.7	43.7
31°	69.2	61.8	56.0	51.1	47.8	45.3	43.7	42.8	42.0	42.0
32.5°	65.1	58.5	52.7	48.6	45.3	42.8	41.2	40.4	40.4	39.6
35°	60.1	53.6	48.6	44.5	42.0	39.6	37.9	37.1	37.1	37.1
37.5°	55.2	49.4	44.5	41.2	38.7	36.3	35.4	33.8	33.8	33.8
40°	50.3	45.3	41.2	37.9	35.4	33.8	33.0	32.1	31.3	31.3
42.5°	46.1	41.2	37.9	35.4	33.0	31.3	30.5	29.7	29.7	28.8
45°	42.0	37.9	35.4	33.0	30.5	29.7	28.8	28.0	27.2	27.2
47.5°	38.7	35.4	32.1	30.5	28.8	27.2	26.4	26.4	25.5	25.5
50°	35.4	32.1	29.7	28.0	26.4	25.5	24.7	24.7	23.9	23.9
52.5°	33.0	29.7	28.0	26.4	24.7	23.9	23.1	23.1	22.2	22.2
55°	29.7	27.2	25.5	24.7	23.1	22.2	21.4	20.6	20.6	21.4
57.5°	27.2	25.5	23.9	23.1	21.4	20.6	19.8	19.8	19.0	19.8
60°	24.7	23.1	21.4	20.6	19.8	19.0	18.1	17.3	17.3	17.3
62.5°	22.2	20.6	19.8	18.1	17.3	17.3	16.5	16.5	16.5	15.7
65°	19.0	18.1	17.3	16.5	15.7	14.8	14.8	14.0	14.0	14.0
67.5°	15.7	14.8	14.0	14.0	13.2	12.4	12.4	12.4	12.4	11.5
70°	12.4	11.5	11.5	10.7	10.7	10.7	9.9	9.9	9.9	9.9
72.5°	9.1	9.1	8.2	8.2	8.2	8.2	7.4	7.4	7.4	7.4
75°	6.6	6.6	6.6	5.8	5.8	5.8	4.9	4.9	4.9	4.9
77.5°	4.1	4.1	4.1	4.1	4.1	3.3	3.3	3.3	3.3	3.3
80°	2.5	2.5	2.5	2.5	1.6	1.6	1.6	1.6	1.6	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)