

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: P1446735

Luminaire Tested: P3ART17R709740DE010 E3LCWW1GPH

Issue Date: 5/8/2026

**Test Information**

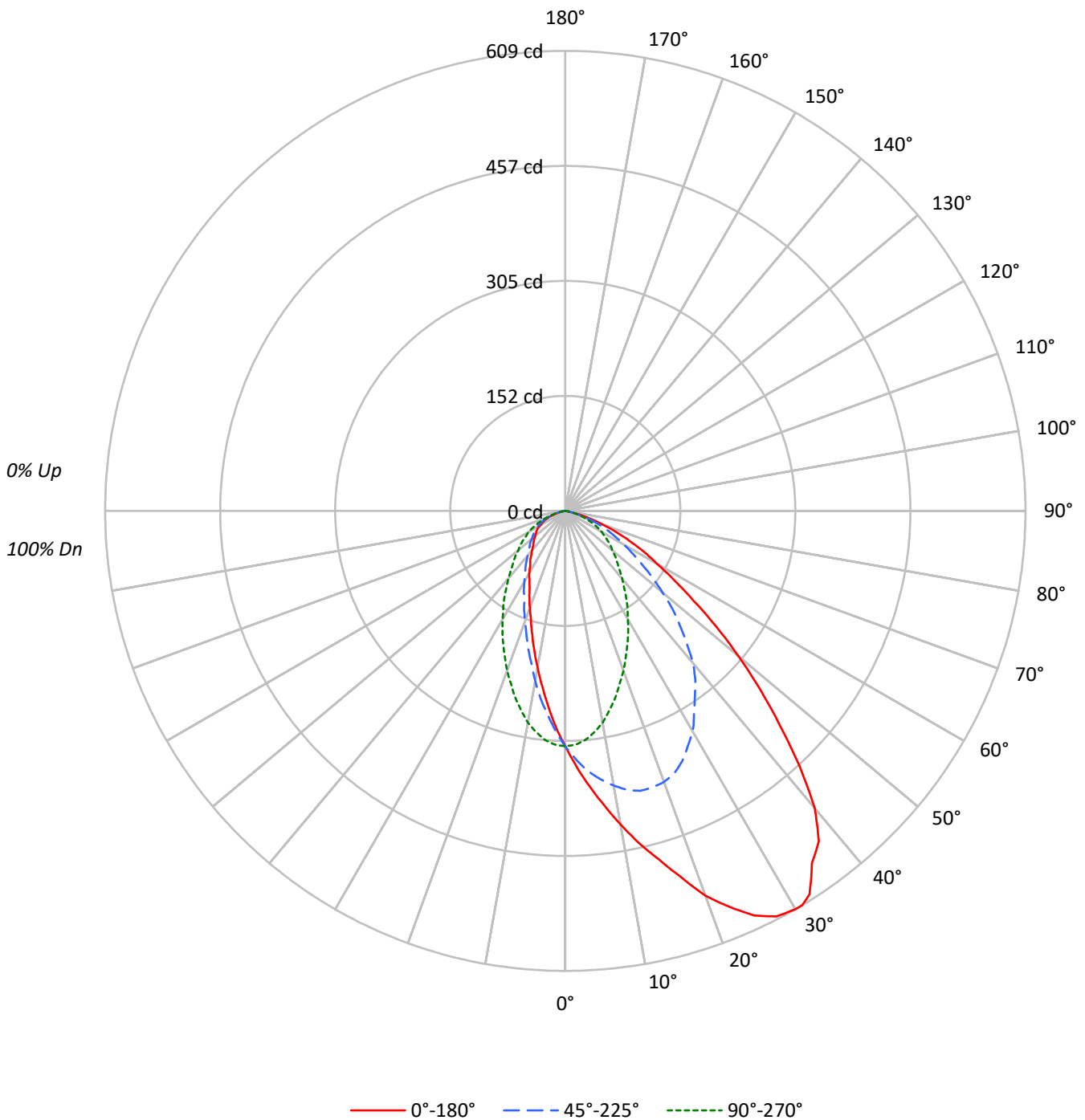
Test Method: LM-79-2019  
Report Number: P1446735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709740DE010 E3LCWW1GPH  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LCWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 634.0 lumens  
Efficiency: N/A  
Efficacy: 29.9 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): 21.2  
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	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°	68328	68328	68328	68328	68328
5°	80497	76139	67004	59476	57099
10°	93853	82230	63370	50945	46937
15°	108377	87106	58071	42929	38434
20°	126524	89118	52551	36146	31946
25°	142968	88481	47059	30945	27026
30°	154176	85304	41956	27371	24181
35°	152370	80040	37611	24601	21710
40°	146961	75284	33520	22184	19608
45°	124571	66488	30174	20684	18421
50°	102001	57141	27666	19650	17808
55°	79213	47520	26188	19268	17892
60°	61618	39514	24472	18946	16578
65°	48617	32688	21481	17745	15877
70°	33467	24235	17311	15003	13848
75°	16775	13725	12200	10675	9150
80°	2273	4546	6819	4546	2273
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 124571 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.2	4.6
10°-20°	81.2	12.8
20°-30°	119.7	18.9
30°-40°	134.1	21.2
40°-50°	117.9	18.6
50°-60°	84.4	13.3
60°-70°	50.0	7.9
70°-80°	16.8	2.6
80°-90°	0.8	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°	230.0	36.3
0°-40°	364.1	57.4
0°-60°	566.5	89.4
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	366	346	304	270	259	37
15°	477	384	256	189	169	138
25°	591	366	194	128	112	272
35°	569	299	140	92	81	358
45°	402	214	97	67	59	311
55°	207	124	68	50	47	189
65°	94	63	41	34	31	94
75°	20	16	14	13	11	24
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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	338.7	338.7	338.7	335.1	335.1	329.7	326.0	320.6	317.0	311.6	309.8
5°	365.7	365.7	362.1	358.5	353.1	345.9	336.9	327.8	317.0	308.0	304.4
7.5°	392.7	394.5	389.1	381.9	371.1	358.5	345.9	331.5	315.2	302.6	295.4
10°	421.5	421.5	414.3	403.5	387.3	369.3	349.5	329.7	309.8	291.8	284.6
12.5°	450.3	448.5	439.5	423.3	403.5	378.3	351.3	326.0	302.6	281.0	270.2
15°	477.4	477.4	464.8	444.9	416.1	383.7	351.3	318.8	291.8	266.6	255.8
17.5°	508.0	508.0	491.8	461.2	425.1	383.7	345.9	309.8	279.2	252.2	239.6
20°	542.2	540.4	517.0	475.6	428.7	381.9	338.7	299.0	264.8	236.0	225.2
22.5°	567.4	565.6	538.6	488.2	430.5	376.5	326.0	284.6	250.4	221.6	209.0
25°	590.9	587.2	556.6	493.6	426.9	365.7	313.4	268.4	236.0	207.2	194.5
27.5°	605.3	603.5	569.2	491.8	417.9	351.3	297.2	254.0	219.8	190.9	180.1
30°	608.9	610.7	569.2	482.8	403.5	336.9	281.0	237.8	203.6	178.3	165.7
31°	608.9	610.7	565.6	477.4	398.1	329.7	273.8	232.4	196.3	171.1	160.3
32.5°	601.7	598.1	560.2	468.4	385.5	317.0	264.8	223.4	187.3	162.1	153.1
35°	569.2	571.0	542.2	448.5	367.5	299.0	246.8	205.4	171.1	149.5	140.5
37.5°	551.2	551.2	499.0	421.5	347.7	282.8	225.2	185.5	156.7	136.9	127.9
40°	513.4	508.0	459.4	392.7	324.2	263.0	212.6	172.9	144.1	124.3	117.1
42.5°	459.4	453.9	416.1	367.5	293.6	237.8	201.8	153.1	129.7	113.5	106.3
45°	401.7	398.1	369.3	324.2	264.8	214.4	174.7	140.5	118.9	102.7	97.3
47.5°	349.5	344.1	322.4	288.2	239.6	192.7	151.3	126.1	106.3	93.7	90.1
50°	299.0	297.2	279.2	252.2	212.6	167.5	133.3	111.7	97.3	86.5	81.1
52.5°	252.2	248.6	239.6	218.0	185.5	145.9	117.1	99.1	86.5	79.3	75.7
55°	207.2	207.2	198.2	183.7	158.5	124.3	102.7	88.3	77.5	72.1	68.5
57.5°	171.1	171.1	163.9	154.9	131.5	106.3	90.1	77.5	70.3	64.8	61.2
60°	140.5	140.5	135.1	126.1	109.9	90.1	77.5	68.5	63.0	57.6	55.8
62.5°	117.1	115.3	111.7	102.7	90.1	75.7	66.7	59.4	54.0	50.4	48.6
65°	93.7	91.9	88.3	81.1	72.1	63.0	55.8	50.4	46.8	43.2	41.4
67.5°	72.1	72.1	68.5	63.0	55.8	50.4	45.0	41.4	37.8	36.0	34.2
70°	52.2	52.2	50.4	46.8	41.4	37.8	34.2	32.4	30.6	28.8	27.0
72.5°	36.0	36.0	34.2	32.4	28.8	27.0	23.4	23.4	21.6	21.6	19.8
75°	19.8	19.8	19.8	18.0	18.0	16.2	16.2	16.2	14.4	14.4	14.4
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6	5.4	5.4	5.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6
2.5°	308.0	302.6	299.0	297.2	291.8	290.0	288.2	286.4	286.4	286.4
5°	300.8	291.8	282.8	277.4	270.2	266.6	263.0	261.2	259.4	259.4
7.5°	288.2	277.4	266.6	257.6	250.4	243.2	239.6	236.0	236.0	234.2
10°	275.6	261.2	248.6	236.0	228.8	219.8	216.2	212.6	210.8	210.8
12.5°	261.2	243.2	228.8	218.0	207.2	200.0	194.5	190.9	189.1	189.1
15°	245.0	227.0	210.8	200.0	189.1	180.1	174.7	171.1	169.3	169.3
17.5°	228.8	210.8	192.7	181.9	171.1	162.1	158.5	154.9	153.1	151.3
20°	214.4	192.7	178.3	163.9	154.9	147.7	142.3	138.7	136.9	136.9
22.5°	198.2	178.3	162.1	151.3	142.3	135.1	127.9	126.1	124.3	124.3
25°	181.9	163.9	149.5	138.7	127.9	122.5	117.1	113.5	113.5	111.7
27.5°	169.3	151.3	136.9	126.1	118.9	111.7	108.1	104.5	102.7	102.7
30°	154.9	138.7	126.1	117.1	108.1	102.7	99.1	95.5	95.5	95.5
31°	151.3	135.1	122.5	111.7	104.5	99.1	95.5	93.7	91.9	91.9
32.5°	142.3	127.9	115.3	106.3	99.1	93.7	90.1	88.3	88.3	86.5
35°	131.5	117.1	106.3	97.3	91.9	86.5	82.9	81.1	81.1	81.1
37.5°	120.7	108.1	97.3	90.1	84.7	79.3	77.5	73.9	73.9	73.9
40°	109.9	99.1	90.1	82.9	77.5	73.9	72.1	70.3	68.5	68.5
42.5°	100.9	90.1	82.9	77.5	72.1	68.5	66.7	64.8	64.8	63.0
45°	91.9	82.9	77.5	72.1	66.7	64.8	63.0	61.2	59.4	59.4
47.5°	84.7	77.5	70.3	66.7	63.0	59.4	57.6	57.6	55.8	55.8
50°	77.5	70.3	64.8	61.2	57.6	55.8	54.0	54.0	52.2	52.2
52.5°	72.1	64.8	61.2	57.6	54.0	52.2	50.4	50.4	48.6	48.6
55°	64.8	59.4	55.8	54.0	50.4	48.6	46.8	45.0	45.0	46.8
57.5°	59.4	55.8	52.2	50.4	46.8	45.0	43.2	43.2	41.4	43.2
60°	54.0	50.4	46.8	45.0	43.2	41.4	39.6	37.8	37.8	37.8
62.5°	48.6	45.0	43.2	39.6	37.8	37.8	36.0	36.0	36.0	34.2
65°	41.4	39.6	37.8	36.0	34.2	32.4	32.4	30.6	30.6	30.6
67.5°	34.2	32.4	30.6	30.6	28.8	27.0	27.0	27.0	27.0	25.2
70°	27.0	25.2	25.2	23.4	23.4	23.4	21.6	21.6	21.6	21.6
72.5°	19.8	19.8	18.0	18.0	18.0	18.0	16.2	16.2	16.2	16.2
75°	14.4	14.4	14.4	12.6	12.6	12.6	10.8	10.8	10.8	10.8
77.5°	9.0	9.0	9.0	9.0	9.0	7.2	7.2	7.2	7.2	7.2
80°	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	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)