

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: P1446701

Luminaire Tested: P3ART09R709735DE010 E3LSWW1WMH

Issue Date: 5/8/2026

**Test Information**

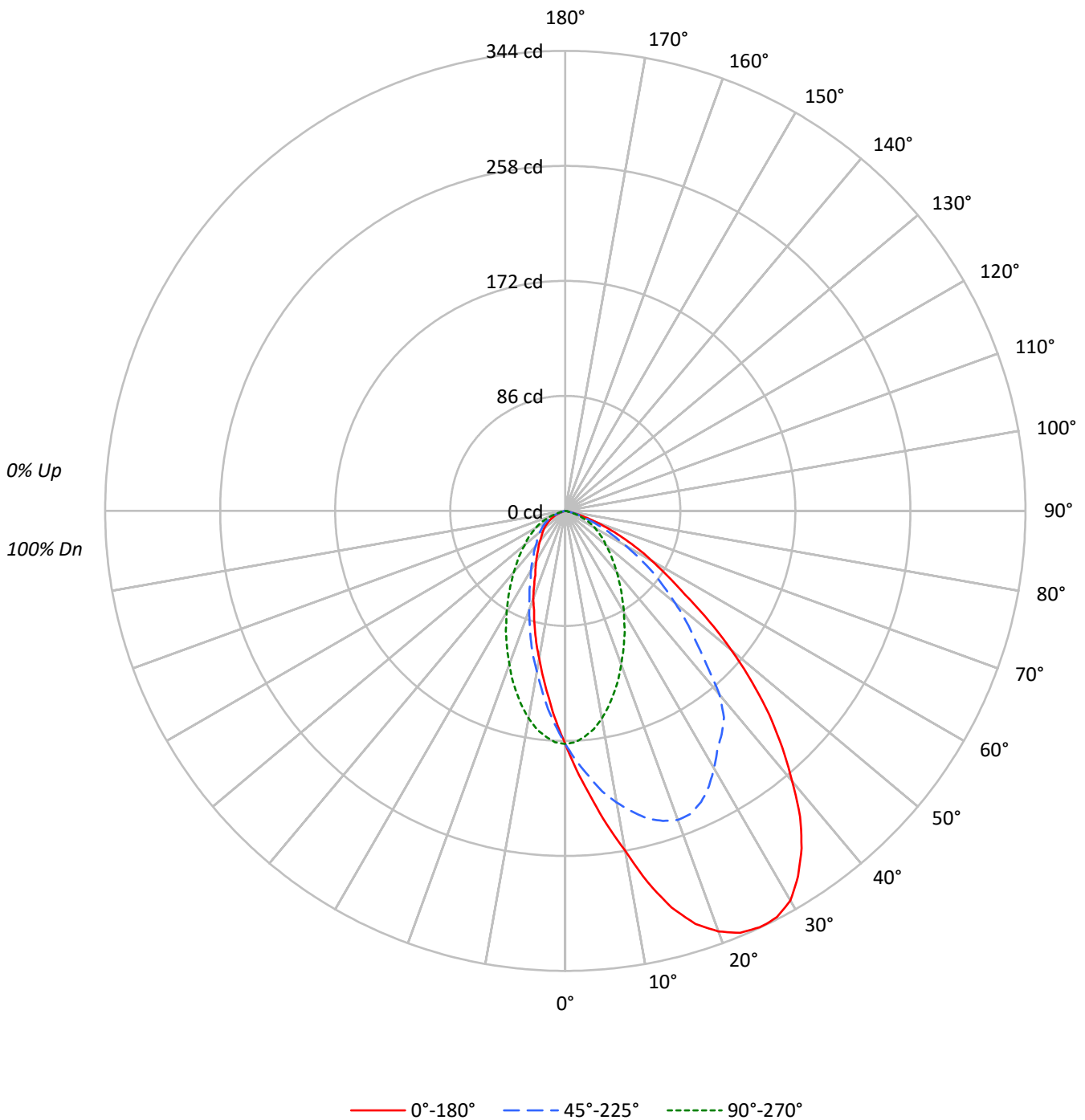
Test Method: LM-79-2019  
Report Number: P1446701  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709735DE010 E3LSWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 347.0 lumens  
Efficiency: N/A  
Efficacy: 31.3 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): 11.1  
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	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	89	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°	38199	38199	38199	38199	38199
5°	47017	43760	37266	32710	30971
10°	57425	49298	35069	27165	24983
15°	69717	54075	31941	22565	20114
20°	78080	57405	28469	18365	16311
25°	83110	58092	25235	15243	12848
30°	85228	56312	22181	12964	10964
35°	82449	54529	19488	11056	9476
40°	75513	51267	17175	9847	8444
45°	66829	42733	15257	9148	7629
50°	55401	36604	13441	8392	7062
55°	41748	30470	12425	7914	6384
60°	32804	22893	11227	7324	5614
65°	24490	16863	9703	6123	4618
70°	15772	10707	6924	4424	2500
75°	6693	5846	3304	1694	847
80°	1263	1263	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 66829 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	4.8
10°-20°	47.6	13.7
20°-30°	69.5	20.0
30°-40°	75.8	21.8
40°-50°	65.6	18.9
50°-60°	43.9	12.7
60°-70°	22.7	6.5
70°-80°	5.4	1.5
80°-90°	0.1	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°	133.6	38.5
0°-40°	209.4	60.3
0°-60°	318.9	91.9
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	174	174	174	174	174	
5°	214	199	169	149	141	22
15°	307	238	141	99	89	87
25°	344	240	104	63	53	158
35°	308	204	73	41	35	191
45°	216	138	49	30	25	165
55°	109	80	32	21	17	101
65°	47	32	19	12	9	48
75°	8	7	4	2	1	10
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°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2
2.5°	193.9	192.9	192.9	190.9	189.0	187.0	184.0	181.1	178.1	175.2	173.2
5°	213.6	214.6	213.6	209.6	204.7	198.8	192.9	186.0	179.1	173.2	169.3
7.5°	236.2	236.2	233.3	228.3	221.4	211.6	201.8	189.9	179.1	169.3	164.4
10°	257.9	257.9	252.9	245.1	234.2	221.4	207.7	191.9	177.2	163.4	157.5
12.5°	284.4	283.4	277.5	264.7	249.0	230.3	211.6	191.9	174.2	157.5	149.6
15°	307.1	306.1	298.2	282.5	261.8	238.2	212.6	189.9	168.3	149.6	140.7
17.5°	323.8	321.8	313.0	296.2	272.6	243.1	213.6	186.0	161.4	140.7	131.9
20°	334.6	333.6	323.8	304.1	278.5	246.0	212.6	181.1	154.5	131.9	122.0
22.5°	341.5	339.5	329.7	308.0	278.5	245.1	208.6	174.2	145.7	123.0	113.2
25°	343.5	342.5	330.7	307.1	275.6	240.1	202.7	167.3	136.8	114.2	104.3
26°	343.5	342.5	330.7	306.1	273.6	237.2	199.8	164.4	133.8	110.2	101.4
27.5°	342.5	341.5	328.7	303.1	269.7	232.3	193.9	158.5	127.9	105.3	95.5
30°	336.6	334.6	321.8	296.2	260.8	222.4	184.0	149.6	119.1	96.4	87.6
32.5°	323.8	321.8	308.0	284.4	251.0	211.6	173.2	139.8	110.2	87.6	79.7
35°	308.0	306.1	292.3	269.7	237.2	203.7	161.4	128.9	100.4	80.7	72.8
37.5°	288.4	285.4	273.6	250.0	220.5	194.9	151.6	118.1	91.5	72.8	65.9
40°	263.8	262.8	252.0	230.3	200.8	179.1	145.7	118.1	83.7	65.9	60.0
42.5°	240.1	238.2	228.3	209.6	183.1	156.5	127.9	113.2	77.8	59.1	54.1
45°	215.5	213.6	204.7	189.0	164.4	137.8	137.8	97.4	66.9	54.1	49.2
47.5°	189.0	187.0	180.1	168.3	146.6	123.0	100.4	79.7	61.0	48.2	44.3
50°	162.4	163.4	157.5	145.7	128.9	107.3	86.6	66.9	52.2	43.3	39.4
52.5°	135.8	134.8	130.9	123.0	111.2	92.5	73.8	57.1	45.3	38.4	36.4
55°	109.2	110.2	108.3	103.3	93.5	79.7	62.0	49.2	40.4	34.4	32.5
57.5°	90.5	91.5	87.6	84.6	76.8	65.0	51.2	41.3	34.4	30.5	28.5
60°	74.8	75.8	72.8	68.9	63.0	52.2	41.3	34.4	30.5	27.6	25.6
62.5°	61.0	60.0	58.1	54.1	49.2	41.3	33.5	28.5	25.6	23.6	22.6
65°	47.2	47.2	45.3	42.3	38.4	32.5	26.6	23.6	21.7	19.7	18.7
67.5°	35.4	35.4	33.5	31.5	27.6	23.6	20.7	18.7	17.7	15.7	14.8
70°	24.6	24.6	23.6	22.6	19.7	16.7	15.7	13.8	12.8	11.8	10.8
72.5°	15.7	15.7	15.7	13.8	12.8	10.8	10.8	9.8	8.9	7.9	7.9
75°	7.9	8.9	7.9	7.9	6.9	6.9	5.9	5.9	4.9	4.9	3.9
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	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°	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2	174.2
2.5°	171.2	168.3	166.3	163.4	161.4	159.4	158.5	157.5	157.5	157.5
5°	166.3	161.4	156.5	151.6	148.6	145.7	142.7	141.7	140.7	140.7
7.5°	160.4	152.5	145.7	139.8	134.8	131.9	128.9	127.0	126.0	126.0
10°	152.5	142.7	134.8	127.0	122.0	118.1	116.1	113.2	113.2	112.2
12.5°	143.7	131.9	123.0	116.1	111.2	106.3	103.3	101.4	100.4	100.4
15°	133.8	122.0	112.2	104.3	99.4	94.5	91.5	89.6	88.6	88.6
17.5°	124.0	111.2	101.4	93.5	88.6	83.7	80.7	78.7	78.7	77.8
20°	114.2	101.4	91.5	83.7	78.7	74.8	71.8	69.9	68.9	69.9
22.5°	105.3	92.5	82.7	75.8	69.9	65.9	63.0	62.0	61.0	61.0
25°	95.5	83.7	74.8	67.9	63.0	59.1	56.1	55.1	54.1	53.1
26°	92.5	80.7	71.8	65.0	60.0	56.1	54.1	52.2	51.2	51.2
27.5°	88.6	75.8	67.9	61.0	56.1	53.1	50.2	49.2	48.2	48.2
30°	79.7	68.9	61.0	55.1	51.2	47.2	45.3	44.3	43.3	43.3
32.5°	72.8	62.0	55.1	50.2	46.3	43.3	41.3	39.4	39.4	39.4
35°	65.9	56.1	50.2	45.3	41.3	38.4	37.4	36.4	35.4	35.4
37.5°	60.0	51.2	45.3	41.3	38.4	35.4	33.5	32.5	32.5	32.5
40°	54.1	47.2	41.3	37.4	34.4	32.5	30.5	29.5	29.5	29.5
42.5°	49.2	42.3	38.4	34.4	31.5	29.5	28.5	27.6	26.6	26.6
45°	45.3	39.4	34.4	31.5	29.5	27.6	25.6	24.6	24.6	24.6
47.5°	40.4	36.4	31.5	28.5	26.6	24.6	23.6	22.6	22.6	22.6
50°	37.4	33.5	29.5	26.6	24.6	22.6	21.7	20.7	20.7	20.7
52.5°	33.5	30.5	27.6	24.6	22.6	20.7	19.7	18.7	18.7	18.7
55°	30.5	27.6	24.6	22.6	20.7	18.7	17.7	16.7	16.7	16.7
57.5°	27.6	24.6	22.6	20.7	18.7	17.7	15.7	15.7	14.8	14.8
60°	24.6	21.7	19.7	18.7	16.7	15.7	13.8	12.8	12.8	12.8
62.5°	20.7	19.7	17.7	15.7	13.8	12.8	11.8	10.8	10.8	10.8
65°	17.7	16.7	14.8	12.8	11.8	10.8	9.8	8.9	8.9	8.9
67.5°	14.8	12.8	11.8	10.8	9.8	8.9	7.9	6.9	5.9	6.9
70°	10.8	9.8	8.9	7.9	6.9	5.9	4.9	4.9	3.9	3.9
72.5°	6.9	5.9	5.9	4.9	3.9	3.9	3.0	3.0	2.0	2.0
75°	3.9	3.9	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0
77.5°	2.0	1.0	1.0	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)