

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: P3ART09R709030D2WDE010 E3CLSWW1MB

Issue Date: 5/8/2026

**Test Information**

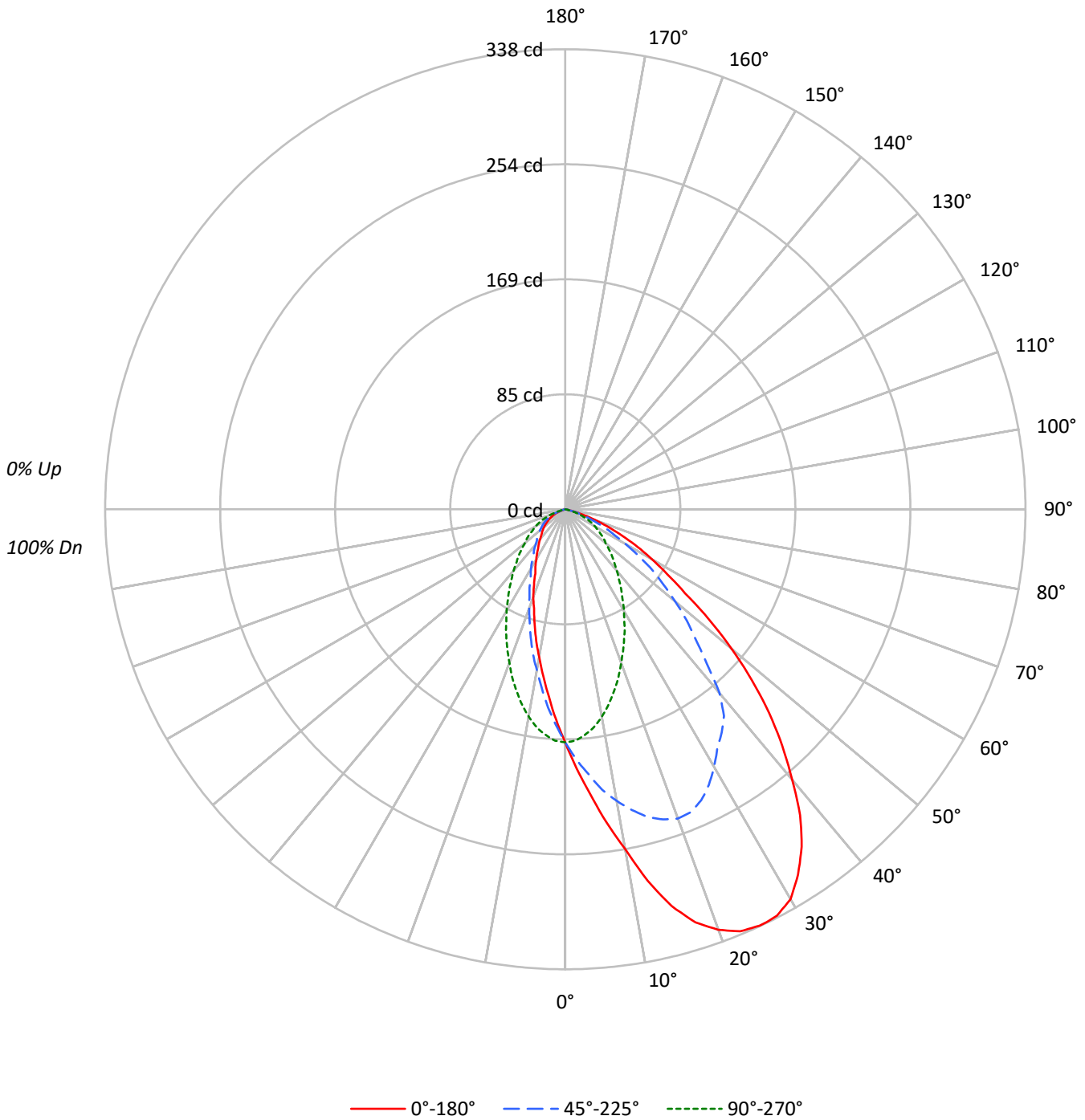
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030D2WDE010 E3CLSWW1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 341.0 lumens  
Efficiency: N/A  
Efficacy: 23.2 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): 14.7  
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

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

	0°	45°	90°	135°	180°
0°	37541	37541	37541	37541	37541
5°	46203	43011	36628	32137	30442
10°	56423	48452	34446	26697	24560
15°	68513	53144	31396	22179	19750
20°	76727	56425	27979	18062	16031
25°	81658	57100	24800	14977	12630
30°	83760	55350	21801	12736	10786
35°	81030	53592	19167	10868	9316
40°	74196	50380	16889	9704	8301
45°	65681	41989	15009	8993	7505
50°	54446	35956	13202	8256	6925
55°	41059	29934	12196	7761	6270
60°	32234	22498	11008	7192	5526
65°	24075	16552	9547	6019	4514
70°	15515	10515	6796	4360	2500
75°	6524	5761	3304	1610	847
80°	1263	1263	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 65681 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	4.8
10°-20°	46.7	13.7
20°-30°	68.3	20.0
30°-40°	74.5	21.8
40°-50°	64.4	18.9
50°-60°	43.2	12.7
60°-70°	22.3	6.5
70°-80°	5.3	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°	131.3	38.5
0°-40°	205.8	60.3
0°-60°	313.4	91.9
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	171	171	171	171	171	
5°	210	195	166	146	138	21
15°	302	234	138	98	87	85
25°	338	236	102	62	52	155
35°	303	200	72	41	35	187
45°	212	135	48	29	24	162
55°	107	78	32	20	16	99
65°	46	32	18	12	9	47
75°	8	7	4	2	1	10
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°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
2.5°	190.5	189.6	189.6	187.6	185.7	183.8	180.9	178.0	175.1	172.2	170.2
5°	209.9	210.8	209.9	206.0	201.2	195.4	189.6	182.8	176.0	170.2	166.4
7.5°	232.1	232.1	229.2	224.4	217.6	207.9	198.3	186.7	176.0	166.4	161.5
10°	253.4	253.4	248.6	240.8	230.2	217.6	204.1	188.6	174.1	160.5	154.7
12.5°	279.5	278.5	272.7	260.2	244.7	226.3	207.9	188.6	171.2	154.7	147.0
15°	301.8	300.8	293.1	277.6	257.3	234.1	208.9	186.7	165.4	147.0	138.3
17.5°	318.2	316.3	307.6	291.1	267.9	238.9	209.9	182.8	158.6	138.3	129.6
20°	328.8	327.9	318.2	298.9	273.7	241.8	208.9	178.0	151.8	129.6	119.9
22.5°	335.6	333.7	324.0	302.7	273.7	240.8	205.0	171.2	143.1	120.9	111.2
25°	337.5	336.6	325.0	301.8	270.8	236.0	199.2	164.4	134.4	112.2	102.5
26°	337.5	336.6	325.0	300.8	268.9	233.1	196.3	161.5	131.5	108.3	99.6
27.5°	336.6	335.6	323.0	297.9	265.0	228.3	190.5	155.7	125.7	103.5	93.8
30°	330.8	328.8	316.3	291.1	256.3	218.6	180.9	147.0	117.0	94.8	86.1
32.5°	318.2	316.3	302.7	279.5	246.6	207.9	170.2	137.3	108.3	86.1	78.3
35°	302.7	300.8	287.2	265.0	233.1	200.2	158.6	126.7	98.7	79.3	71.6
37.5°	283.4	280.5	268.9	245.7	216.6	191.5	148.9	116.1	89.9	71.6	64.8
40°	259.2	258.2	247.6	226.3	197.3	176.0	143.1	116.1	82.2	64.8	59.0
42.5°	236.0	234.1	224.4	206.0	179.9	153.8	125.7	111.2	76.4	58.0	53.2
45°	211.8	209.9	201.2	185.7	161.5	135.4	135.4	95.7	65.8	53.2	48.4
47.5°	185.7	183.8	177.0	165.4	144.1	120.9	98.7	78.3	60.0	47.4	43.5
50°	159.6	160.5	154.7	143.1	126.7	105.4	85.1	65.8	51.3	42.6	38.7
52.5°	133.5	132.5	128.6	120.9	109.3	90.9	72.5	56.1	44.5	37.7	35.8
55°	107.4	108.3	106.4	101.6	91.9	78.3	60.9	48.4	39.7	33.9	31.9
57.5°	89.0	89.9	86.1	83.2	75.4	63.8	50.3	40.6	33.9	30.0	28.0
60°	73.5	74.5	71.6	67.7	61.9	51.3	40.6	33.9	30.0	27.1	25.1
62.5°	60.0	59.0	57.1	53.2	48.4	40.6	32.9	28.0	25.1	23.2	22.2
65°	46.4	46.4	44.5	41.6	37.7	31.9	26.1	23.2	21.3	19.3	18.4
67.5°	34.8	34.8	32.9	30.9	27.1	23.2	20.3	18.4	17.4	15.5	14.5
70°	24.2	24.2	23.2	22.2	19.3	16.4	15.5	13.5	12.6	11.6	10.6
72.5°	15.5	15.5	15.5	13.5	12.6	10.6	10.6	9.7	8.7	7.7	7.7
75°	7.7	8.7	7.7	7.7	6.8	6.8	5.8	5.8	4.8	4.8	3.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.9
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°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
2.5°	168.3	165.4	163.5	160.5	158.6	156.7	155.7	154.7	154.7	154.7
5°	163.5	158.6	153.8	148.9	146.0	143.1	140.2	139.3	138.3	138.3
7.5°	157.6	149.9	143.1	137.3	132.5	129.6	126.7	124.8	123.8	123.8
10°	149.9	140.2	132.5	124.8	119.9	116.1	114.1	111.2	111.2	110.3
12.5°	141.2	129.6	120.9	114.1	109.3	104.5	101.6	99.6	98.7	98.7
15°	131.5	119.9	110.3	102.5	97.7	92.8	89.9	88.0	87.0	87.0
17.5°	121.9	109.3	99.6	91.9	87.0	82.2	79.3	77.4	77.4	76.4
20°	112.2	99.6	89.9	82.2	77.4	73.5	70.6	68.7	67.7	68.7
22.5°	103.5	90.9	81.2	74.5	68.7	64.8	61.9	60.9	60.0	60.0
25°	93.8	82.2	73.5	66.7	61.9	58.0	55.1	54.2	53.2	52.2
26°	90.9	79.3	70.6	63.8	59.0	55.1	53.2	51.3	50.3	50.3
27.5°	87.0	74.5	66.7	60.0	55.1	52.2	49.3	48.4	47.4	47.4
30°	78.3	67.7	60.0	54.2	50.3	46.4	44.5	43.5	42.6	42.6
32.5°	71.6	60.9	54.2	49.3	45.5	42.6	40.6	38.7	38.7	38.7
35°	64.8	55.1	49.3	44.5	40.6	37.7	36.8	35.8	34.8	34.8
37.5°	59.0	50.3	44.5	40.6	37.7	34.8	32.9	31.9	31.9	31.9
40°	53.2	46.4	40.6	36.8	33.9	31.9	30.0	29.0	29.0	29.0
42.5°	48.4	41.6	37.7	33.9	30.9	29.0	28.0	27.1	26.1	26.1
45°	44.5	38.7	33.9	30.9	29.0	27.1	25.1	24.2	24.2	24.2
47.5°	39.7	35.8	30.9	28.0	26.1	24.2	23.2	22.2	22.2	22.2
50°	36.8	32.9	29.0	26.1	24.2	22.2	21.3	20.3	20.3	20.3
52.5°	32.9	30.0	27.1	24.2	22.2	20.3	19.3	18.4	18.4	18.4
55°	30.0	27.1	24.2	22.2	20.3	18.4	17.4	16.4	16.4	16.4
57.5°	27.1	24.2	22.2	20.3	18.4	17.4	15.5	15.5	14.5	14.5
60°	24.2	21.3	19.3	18.4	16.4	15.5	13.5	12.6	12.6	12.6
62.5°	20.3	19.3	17.4	15.5	13.5	12.6	11.6	10.6	10.6	10.6
65°	17.4	16.4	14.5	12.6	11.6	10.6	9.7	8.7	8.7	8.7
67.5°	14.5	12.6	11.6	10.6	9.7	8.7	7.7	6.8	5.8	6.8
70°	10.6	9.7	8.7	7.7	6.8	5.8	4.8	4.8	3.9	3.9
72.5°	6.8	5.8	5.8	4.8	3.9	3.9	2.9	2.9	1.9	1.9
75°	3.9	3.9	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0
77.5°	1.9	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)