

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: P3ART13R709835DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

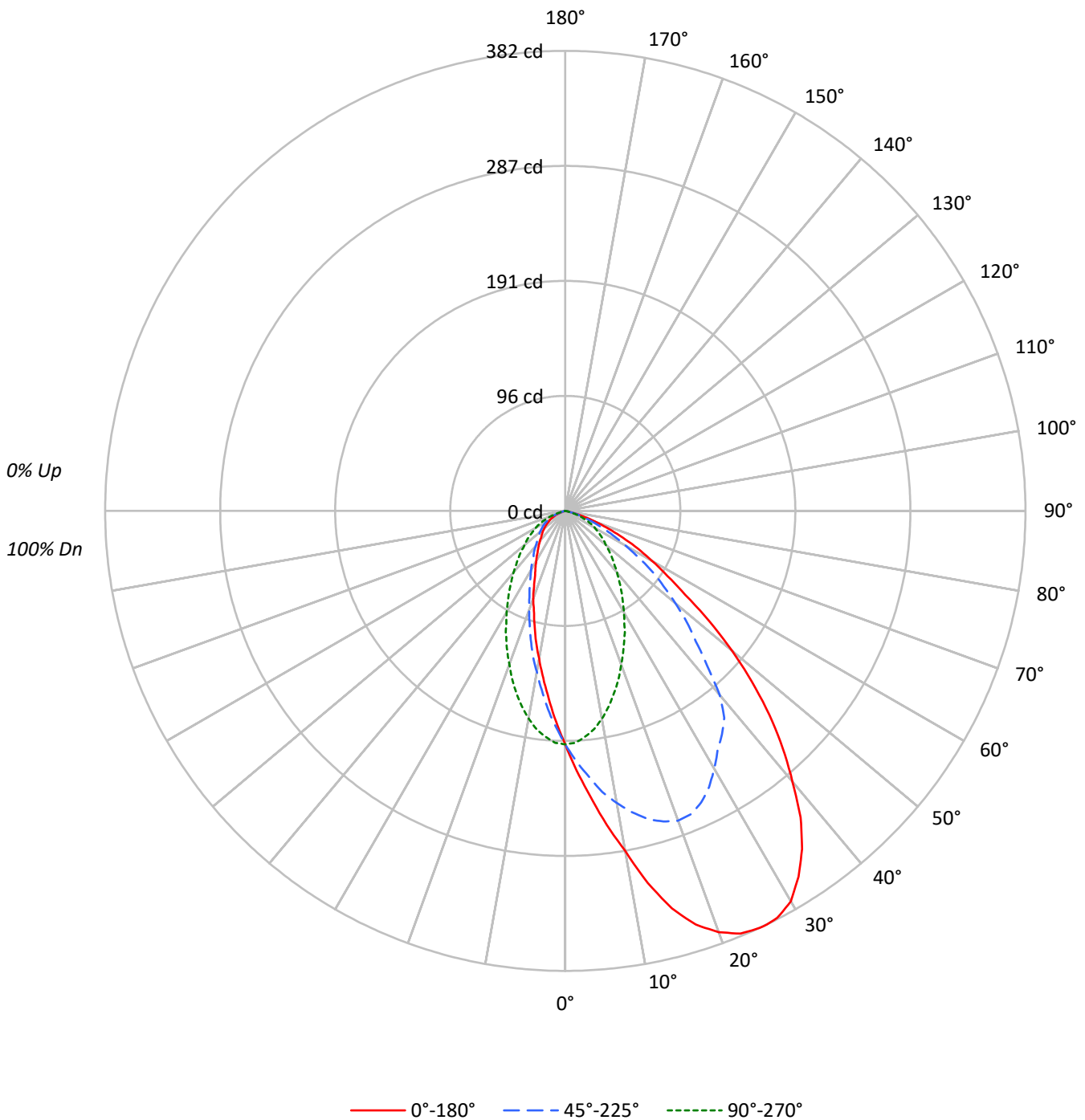
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709835DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 386.0 lumens  
Efficiency: N/A  
Efficacy: 26.6 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): 14.5  
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	102	100	
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	89	
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	78	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	60	
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	53	
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	47	
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	43	
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	39	
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	35	
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	32	

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

	0°	45°	90°	135°	180°
0°	42497	42497	42497	42497	42497
5°	52300	48668	41448	36386	34471
10°	63860	54842	39011	30238	27788
15°	77549	60137	35551	25108	22361
20°	86854	63869	31689	20442	18132
25°	92449	64625	28066	16961	14299
30°	94799	62643	24662	14407	12204
35°	91738	60659	21683	12314	10547
40°	83986	57050	19122	10963	9389
45°	74364	47540	16963	10172	8497
50°	61610	40698	14942	9347	7846
55°	46450	33910	13801	8793	7111
60°	36488	25437	12499	8157	6228
65°	27292	18731	10792	6797	5137
70°	17567	11925	7694	4937	2821
75°	7456	6524	3728	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74364 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.4	4.8
10°-20°	52.9	13.7
20°-30°	77.4	20.0
30°-40°	84.3	21.8
40°-50°	72.9	18.9
50°-60°	48.9	12.7
60°-70°	25.2	6.5
70°-80°	6.0	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°	148.6	38.5
0°-40°	232.9	60.3
0°-60°	354.7	91.9
0°-90°	386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	386.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	194	194	194	194	194	
5°	238	221	188	165	157	24
15°	342	265	157	111	98	97
25°	382	267	116	70	59	176
35°	343	227	81	46	39	212
45°	240	153	55	33	27	184
55°	122	89	36	23	19	112
65°	53	36	21	13	10	53
75°	9	8	4	2	1	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°	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8
2.5°	215.7	214.6	214.6	212.4	210.2	208.0	204.7	201.4	198.2	194.9	192.7
5°	237.6	238.7	237.6	233.2	227.7	221.1	214.6	206.9	199.3	192.7	188.3
7.5°	262.8	262.8	259.5	254.0	246.3	235.4	224.4	211.3	199.3	188.3	182.8
10°	286.8	286.8	281.4	272.6	260.6	246.3	231.0	213.5	197.1	181.7	175.2
12.5°	316.4	315.3	308.7	294.5	277.0	256.2	235.4	213.5	193.8	175.2	166.4
15°	341.6	340.5	331.7	314.2	291.2	264.9	236.5	211.3	187.2	166.4	156.6
17.5°	360.2	358.0	348.1	329.5	303.3	270.4	237.6	206.9	179.5	156.6	146.7
20°	372.2	371.1	360.2	338.3	309.8	273.7	236.5	201.4	171.9	146.7	135.8
22.5°	379.9	377.7	366.8	342.7	309.8	272.6	232.1	193.8	162.0	136.8	125.9
25°	382.1	381.0	367.9	341.6	306.5	267.1	225.5	186.1	152.2	127.0	116.0
26°	382.1	381.0	367.9	340.5	304.4	263.8	222.2	182.8	148.9	122.6	112.8
27.5°	381.0	379.9	365.7	337.2	300.0	258.4	215.7	176.3	142.3	117.1	106.2
30°	374.4	372.2	358.0	329.5	290.1	247.4	204.7	166.4	132.5	107.3	97.4
32.5°	360.2	358.0	342.7	316.4	279.2	235.4	192.7	155.5	122.6	97.4	88.7
35°	342.7	340.5	325.2	300.0	263.8	226.6	179.5	143.4	111.7	89.8	81.0
37.5°	320.8	317.5	304.4	278.1	245.2	216.8	168.6	131.4	101.8	81.0	73.4
40°	293.4	292.3	280.3	256.2	223.3	199.3	162.0	131.4	93.1	73.4	66.8
42.5°	267.1	264.9	254.0	233.2	203.6	174.1	142.3	125.9	86.5	65.7	60.2
45°	239.8	237.6	227.7	210.2	182.8	153.3	125.3	108.4	74.4	60.2	54.7
47.5°	210.2	208.0	200.3	187.2	163.1	136.8	111.7	88.7	67.9	53.6	49.3
50°	180.6	181.7	175.2	162.0	143.4	119.3	96.3	74.4	58.0	48.2	43.8
52.5°	151.1	150.0	145.6	136.8	123.7	102.9	82.1	63.5	50.4	42.7	40.5
55°	121.5	122.6	120.4	115.0	104.0	88.7	69.0	54.7	44.9	38.3	36.1
57.5°	100.7	101.8	97.4	94.2	85.4	72.3	56.9	46.0	38.3	33.9	31.7
60°	83.2	84.3	81.0	76.6	70.1	58.0	46.0	38.3	33.9	30.7	28.5
62.5°	67.9	66.8	64.6	60.2	54.7	46.0	37.2	31.7	28.5	26.3	25.2
65°	52.6	52.6	50.4	47.1	42.7	36.1	29.6	26.3	24.1	21.9	20.8
67.5°	39.4	39.4	37.2	35.0	30.7	26.3	23.0	20.8	19.7	17.5	16.4
70°	27.4	27.4	26.3	25.2	21.9	18.6	17.5	15.3	14.2	13.1	12.0
72.5°	17.5	17.5	17.5	15.3	14.2	12.0	12.0	10.9	9.9	8.8	8.8
75°	8.8	9.9	8.8	8.8	7.7	7.7	6.6	6.6	5.5	5.5	4.4
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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°	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8
2.5°	190.5	187.2	185.0	181.7	179.5	177.4	176.3	175.2	175.2	175.2
5°	185.0	179.5	174.1	168.6	165.3	162.0	158.7	157.7	156.6	156.6
7.5°	178.5	169.7	162.0	155.5	150.0	146.7	143.4	141.2	140.1	140.1
10°	169.7	158.7	150.0	141.2	135.8	131.4	129.2	125.9	125.9	124.8
12.5°	159.8	146.7	136.8	129.2	123.7	118.2	115.0	112.8	111.7	111.7
15°	148.9	135.8	124.8	116.0	110.6	105.1	101.8	99.6	98.5	98.5
17.5°	137.9	123.7	112.8	104.0	98.5	93.1	89.8	87.6	87.6	86.5
20°	127.0	112.8	101.8	93.1	87.6	83.2	79.9	77.7	76.6	77.7
22.5°	117.1	102.9	92.0	84.3	77.7	73.4	70.1	69.0	67.9	67.9
25°	106.2	93.1	83.2	75.5	70.1	65.7	62.4	61.3	60.2	59.1
26°	102.9	89.8	79.9	72.3	66.8	62.4	60.2	58.0	56.9	56.9
27.5°	98.5	84.3	75.5	67.9	62.4	59.1	55.8	54.7	53.6	53.6
30°	88.7	76.6	67.9	61.3	56.9	52.6	50.4	49.3	48.2	48.2
32.5°	81.0	69.0	61.3	55.8	51.5	48.2	46.0	43.8	43.8	43.8
35°	73.4	62.4	55.8	50.4	46.0	42.7	41.6	40.5	39.4	39.4
37.5°	66.8	56.9	50.4	46.0	42.7	39.4	37.2	36.1	36.1	36.1
40°	60.2	52.6	46.0	41.6	38.3	36.1	33.9	32.8	32.8	32.8
42.5°	54.7	47.1	42.7	38.3	35.0	32.8	31.7	30.7	29.6	29.6
45°	50.4	43.8	38.3	35.0	32.8	30.7	28.5	27.4	27.4	27.4
47.5°	44.9	40.5	35.0	31.7	29.6	27.4	26.3	25.2	25.2	25.2
50°	41.6	37.2	32.8	29.6	27.4	25.2	24.1	23.0	23.0	23.0
52.5°	37.2	33.9	30.7	27.4	25.2	23.0	21.9	20.8	20.8	20.8
55°	33.9	30.7	27.4	25.2	23.0	20.8	19.7	18.6	18.6	18.6
57.5°	30.7	27.4	25.2	23.0	20.8	19.7	17.5	17.5	16.4	16.4
60°	27.4	24.1	21.9	20.8	18.6	17.5	15.3	14.2	14.2	14.2
62.5°	23.0	21.9	19.7	17.5	15.3	14.2	13.1	12.0	12.0	12.0
65°	19.7	18.6	16.4	14.2	13.1	12.0	10.9	9.9	9.9	9.9
67.5°	16.4	14.2	13.1	12.0	10.9	9.9	8.8	7.7	6.6	7.7
70°	12.0	10.9	9.9	8.8	7.7	6.6	5.5	5.5	4.4	4.4
72.5°	7.7	6.6	6.6	5.5	4.4	4.4	3.3	3.3	2.2	2.2
75°	4.4	4.4	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	1.1	1.1	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)