

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: P1445614

Luminaire Tested: P3ART05R709024DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

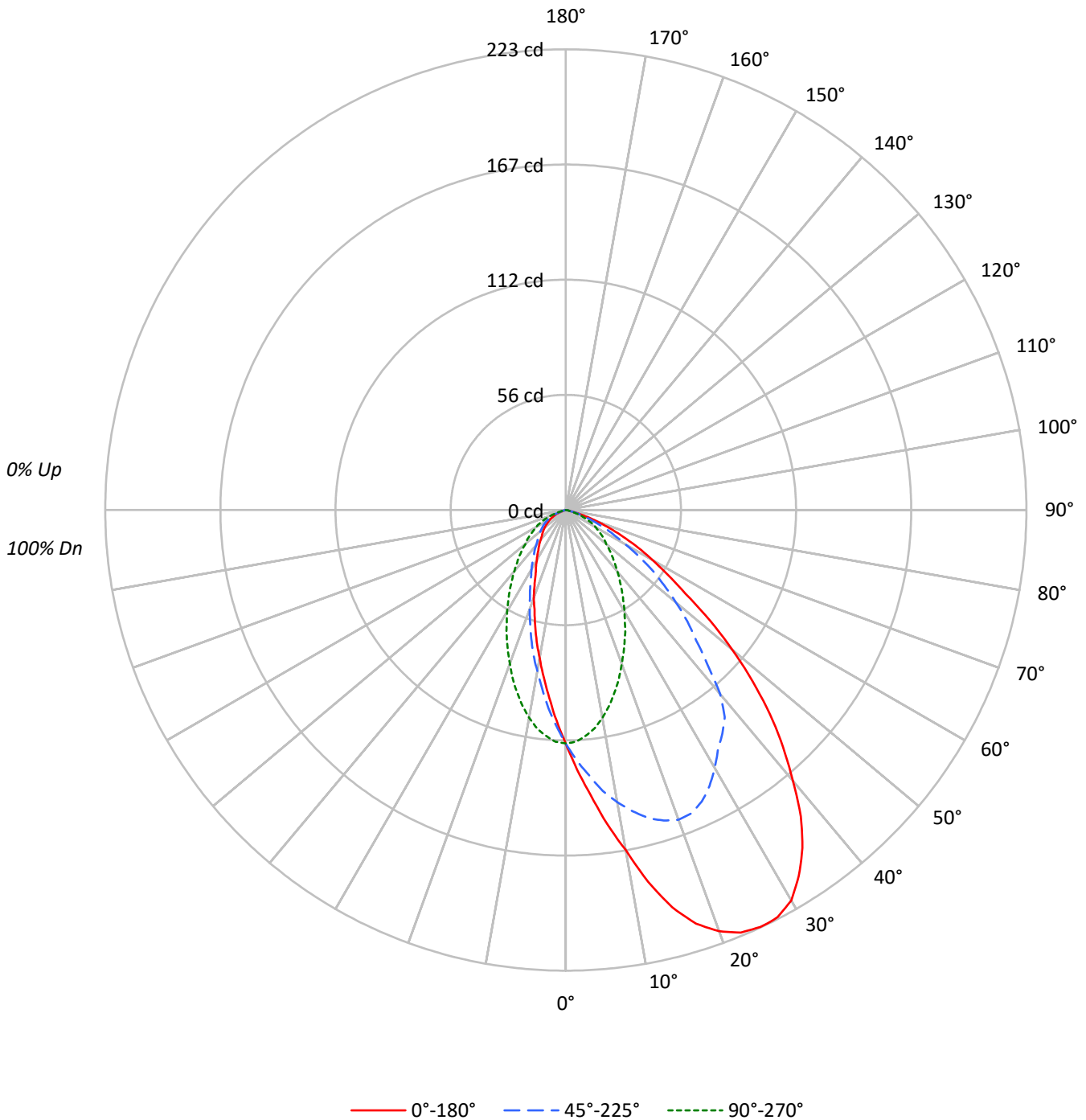
Test Method: LM-79-2019  
Report Number: P1445614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709024DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 225.0 lumens  
Efficiency: N/A  
Efficacy: 31.2 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): 7.2  
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	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	24779	24779	24779	24779	24779
5°	30486	28373	24169	21219	20097
10°	37229	31974	22734	17613	16210
15°	45199	35051	20727	14643	13031
20°	50638	37220	18458	11924	10571
25°	53882	37672	16356	9872	8347
30°	55274	36512	14382	8406	7115
35°	53458	35362	12635	7174	6157
40°	48949	33234	11135	6383	5467
45°	43353	27693	9892	5923	4962
50°	35922	23743	8699	5458	4571
55°	27067	19765	8067	5123	4129
60°	21270	14823	7280	4736	3640
65°	15877	10948	6278	3995	2958
70°	10258	6924	4488	2885	1667
75°	4321	3813	2203	1101	508
80°	758	758	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 43353 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.7	4.8
10°-20°	30.8	13.7
20°-30°	45.1	20.0
30°-40°	49.1	21.8
40°-50°	42.5	18.9
50°-60°	28.5	12.7
60°-70°	14.7	6.5
70°-80°	3.5	1.5
80°-90°	0.0	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
<b>0°-30°</b>	<b>86.6</b>	<b>38.5</b>
<b>0°-40°</b>	<b>135.8</b>	<b>60.3</b>
<b>0°-60°</b>	<b>206.8</b>	<b>91.9</b>
<b>0°-90°</b>	<b>225.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>225.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	113	113	113	113	113	
5°	138	129	110	96	91	14
15°	199	154	91	64	57	56
25°	223	156	68	41	34	102
35°	200	132	47	27	23	124
45°	140	89	32	19	16	107
55°	71	52	21	13	11	66
65°	31	21	12	8	6	31
75°	5	4	3	1	1	7
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°	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0
2.5°	125.7	125.1	125.1	123.8	122.5	121.3	119.3	117.4	115.5	113.6	112.3
5°	138.5	139.1	138.5	135.9	132.7	128.9	125.1	120.6	116.1	112.3	109.8
7.5°	153.2	153.2	151.2	148.1	143.6	137.2	130.8	123.2	116.1	109.8	106.6
10°	167.2	167.2	164.0	158.9	151.9	143.6	134.7	124.4	114.9	105.9	102.1
12.5°	184.4	183.8	180.0	171.7	161.5	149.3	137.2	124.4	113.0	102.1	97.0
15°	199.1	198.5	193.4	183.2	169.8	154.4	137.8	123.2	109.1	97.0	91.3
17.5°	210.0	208.7	202.9	192.1	176.8	157.6	138.5	120.6	104.7	91.3	85.5
20°	217.0	216.3	210.0	197.2	180.6	159.5	137.8	117.4	100.2	85.5	79.1
22.5°	221.4	220.2	213.8	199.7	180.6	158.9	135.3	113.0	94.4	79.8	73.4
25°	222.7	222.1	214.4	199.1	178.7	155.7	131.5	108.5	88.7	74.0	67.6
26°	222.7	222.1	214.4	198.5	177.4	153.8	129.5	106.6	86.8	71.5	65.7
27.5°	222.1	221.4	213.1	196.6	174.9	150.6	125.7	102.7	83.0	68.3	61.9
30°	218.3	217.0	208.7	192.1	169.1	144.2	119.3	97.0	77.2	62.5	56.8
32.5°	210.0	208.7	199.7	184.4	162.7	137.2	112.3	90.6	71.5	56.8	51.7
35°	199.7	198.5	189.5	174.9	153.8	132.1	104.7	83.6	65.1	52.3	47.2
37.5°	187.0	185.1	177.4	162.1	142.9	126.4	98.3	76.6	59.3	47.2	42.8
40°	171.0	170.4	163.4	149.3	130.2	116.1	94.4	76.6	54.2	42.8	38.9
42.5°	155.7	154.4	148.1	135.9	118.7	101.5	83.0	73.4	50.4	38.3	35.1
45°	139.8	138.5	132.7	122.5	106.6	89.3	89.3	63.2	43.4	35.1	31.9
47.5°	122.5	121.3	116.8	109.1	95.1	79.8	65.1	51.7	39.6	31.3	28.7
50°	105.3	105.9	102.1	94.4	83.6	69.6	56.2	43.4	33.8	28.1	25.5
52.5°	88.1	87.4	84.9	79.8	72.1	60.0	47.9	37.0	29.4	24.9	23.6
55°	70.8	71.5	70.2	67.0	60.6	51.7	40.2	31.9	26.2	22.3	21.1
57.5°	58.7	59.3	56.8	54.9	49.8	42.1	33.2	26.8	22.3	19.8	18.5
60°	48.5	49.1	47.2	44.7	40.8	33.8	26.8	22.3	19.8	17.9	16.6
62.5°	39.6	38.9	37.7	35.1	31.9	26.8	21.7	18.5	16.6	15.3	14.7
65°	30.6	30.6	29.4	27.4	24.9	21.1	17.2	15.3	14.0	12.8	12.1
67.5°	23.0	23.0	21.7	20.4	17.9	15.3	13.4	12.1	11.5	10.2	9.6
70°	16.0	16.0	15.3	14.7	12.8	10.8	10.2	8.9	8.3	7.7	7.0
72.5°	10.2	10.2	10.2	8.9	8.3	7.0	7.0	6.4	5.7	5.1	5.1
75°	5.1	5.7	5.1	5.1	4.5	4.5	3.8	3.8	3.2	3.2	2.6
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0
2.5°	111.0	109.1	107.8	105.9	104.7	103.4	102.7	102.1	102.1	102.1
5°	107.8	104.7	101.5	98.3	96.4	94.4	92.5	91.9	91.3	91.3
7.5°	104.0	98.9	94.4	90.6	87.4	85.5	83.6	82.3	81.7	81.7
10°	98.9	92.5	87.4	82.3	79.1	76.6	75.3	73.4	73.4	72.8
12.5°	93.2	85.5	79.8	75.3	72.1	68.9	67.0	65.7	65.1	65.1
15°	86.8	79.1	72.8	67.6	64.5	61.3	59.3	58.1	57.4	57.4
17.5°	80.4	72.1	65.7	60.6	57.4	54.2	52.3	51.1	51.1	50.4
20°	74.0	65.7	59.3	54.2	51.1	48.5	46.6	45.3	44.7	45.3
22.5°	68.3	60.0	53.6	49.1	45.3	42.8	40.8	40.2	39.6	39.6
25°	61.9	54.2	48.5	44.0	40.8	38.3	36.4	35.7	35.1	34.5
26°	60.0	52.3	46.6	42.1	38.9	36.4	35.1	33.8	33.2	33.2
27.5°	57.4	49.1	44.0	39.6	36.4	34.5	32.5	31.9	31.3	31.3
30°	51.7	44.7	39.6	35.7	33.2	30.6	29.4	28.7	28.1	28.1
32.5°	47.2	40.2	35.7	32.5	30.0	28.1	26.8	25.5	25.5	25.5
35°	42.8	36.4	32.5	29.4	26.8	24.9	24.3	23.6	23.0	23.0
37.5°	38.9	33.2	29.4	26.8	24.9	23.0	21.7	21.1	21.1	21.1
40°	35.1	30.6	26.8	24.3	22.3	21.1	19.8	19.1	19.1	19.1
42.5°	31.9	27.4	24.9	22.3	20.4	19.1	18.5	17.9	17.2	17.2
45°	29.4	25.5	22.3	20.4	19.1	17.9	16.6	16.0	16.0	16.0
47.5°	26.2	23.6	20.4	18.5	17.2	16.0	15.3	14.7	14.7	14.7
50°	24.3	21.7	19.1	17.2	16.0	14.7	14.0	13.4	13.4	13.4
52.5°	21.7	19.8	17.9	16.0	14.7	13.4	12.8	12.1	12.1	12.1
55°	19.8	17.9	16.0	14.7	13.4	12.1	11.5	10.8	10.8	10.8
57.5°	17.9	16.0	14.7	13.4	12.1	11.5	10.2	10.2	9.6	9.6
60°	16.0	14.0	12.8	12.1	10.8	10.2	8.9	8.3	8.3	8.3
62.5°	13.4	12.8	11.5	10.2	8.9	8.3	7.7	7.0	7.0	7.0
65°	11.5	10.8	9.6	8.3	7.7	7.0	6.4	5.7	5.7	5.7
67.5°	9.6	8.3	7.7	7.0	6.4	5.7	5.1	4.5	3.8	4.5
70°	7.0	6.4	5.7	5.1	4.5	3.8	3.2	3.2	2.6	2.6
72.5°	4.5	3.8	3.8	3.2	2.6	2.6	1.9	1.9	1.3	1.3
75°	2.6	2.6	1.9	1.9	1.3	1.3	0.6	0.6	0.6	0.6
77.5°	1.3	0.6	0.6	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)