

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: P1446393

Luminaire Tested: P3ART05R709727DE010 E3CLSWW1MB

Issue Date: 5/8/2026

**Test Information**

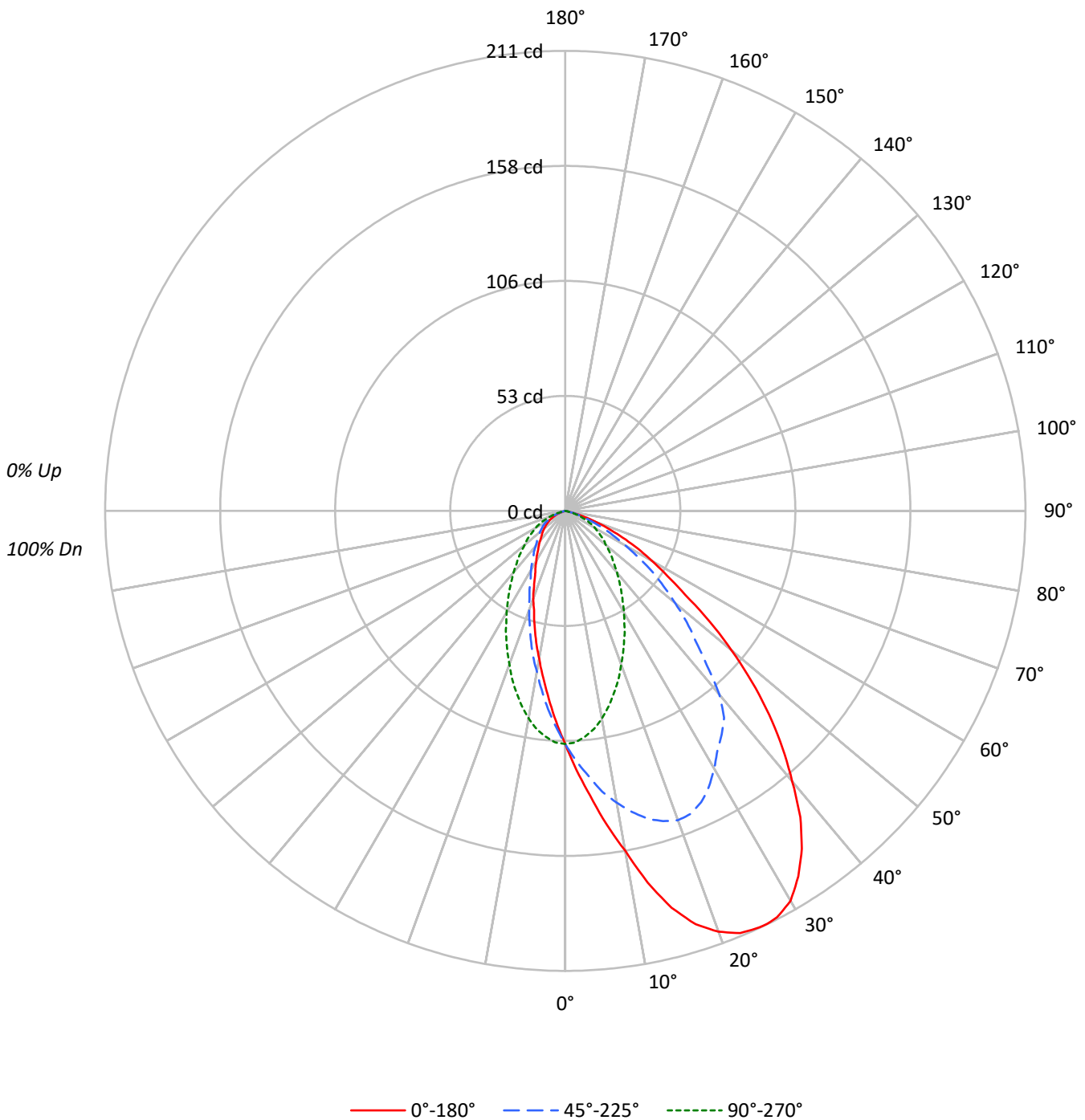
Test Method: LM-79-2019  
Report Number: P1446393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709727DE010 E3CLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 213.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 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): 7.2  
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	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	90	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°	23441	23441	23441	23441	23441
5°	28858	26854	22870	20075	19018
10°	35248	30260	21532	16677	15342
15°	42793	33190	19614	13848	12350
20°	47931	35236	17478	11271	10011
25°	51003	35663	15485	9363	7888
30°	52312	34562	13622	7951	6735
35°	50621	33488	11966	6799	5809
40°	46344	31488	10563	6040	5181
45°	41028	26235	9365	5613	4683
50°	34012	22447	8256	5151	4332
55°	25653	18695	7608	4855	3938
60°	20130	14034	6885	4517	3465
65°	15047	10325	5967	3736	2802
70°	9681	6604	4231	2693	1539
75°	4067	3558	2033	1017	508
80°	758	758	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41028 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	4.8
10°-20°	29.2	13.7
20°-30°	42.7	20.0
30°-40°	46.5	21.8
40°-50°	40.3	18.9
50°-60°	27.0	12.7
60°-70°	13.9	6.5
70°-80°	3.3	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>82.0</b>	<b>38.5</b>
<b>0°-40°</b>	<b>128.5</b>	<b>60.3</b>
<b>0°-60°</b>	<b>195.8</b>	<b>91.9</b>
<b>0°-90°</b>	<b>213.0</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>213.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	107	107	107	107	107	
5°	131	122	104	91	86	13
15°	188	146	86	61	54	53
25°	211	147	64	39	33	97
35°	189	125	45	25	22	117
45°	132	85	30	18	15	101
55°	67	49	20	13	10	62
65°	29	20	12	7	5	29
75°	5	4	2	1	1	6
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°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
2.5°	119.0	118.4	118.4	117.2	116.0	114.8	113.0	111.2	109.3	107.5	106.3
5°	131.1	131.7	131.1	128.7	125.7	122.0	118.4	114.2	110.0	106.3	103.9
7.5°	145.0	145.0	143.2	140.2	135.9	129.9	123.8	116.6	110.0	103.9	100.9
10°	158.3	158.3	155.3	150.4	143.8	135.9	127.5	117.8	108.7	100.3	96.7
12.5°	174.6	174.0	170.4	162.5	152.8	141.4	129.9	117.8	106.9	96.7	91.8
15°	188.5	187.9	183.0	173.4	160.7	146.2	130.5	116.6	103.3	91.8	86.4
17.5°	198.8	197.5	192.1	181.8	167.3	149.2	131.1	114.2	99.1	86.4	81.0
20°	205.4	204.8	198.8	186.7	171.0	151.0	130.5	111.2	94.8	81.0	74.9
22.5°	209.6	208.4	202.4	189.1	171.0	150.4	128.1	106.9	89.4	75.5	69.5
25°	210.8	210.2	203.0	188.5	169.2	147.4	124.4	102.7	84.0	70.1	64.0
26°	210.8	210.2	203.0	187.9	167.9	145.6	122.6	100.9	82.2	67.7	62.2
27.5°	210.2	209.6	201.8	186.1	165.5	142.6	119.0	97.3	78.5	64.6	58.6
30°	206.6	205.4	197.5	181.8	160.1	136.5	113.0	91.8	73.1	59.2	53.8
32.5°	198.8	197.5	189.1	174.6	154.1	129.9	106.3	85.8	67.7	53.8	48.9
35°	189.1	187.9	179.4	165.5	145.6	125.1	99.1	79.1	61.6	49.5	44.7
37.5°	177.0	175.2	167.9	153.4	135.3	119.6	93.0	72.5	56.2	44.7	40.5
40°	161.9	161.3	154.7	141.4	123.2	110.0	89.4	72.5	51.4	40.5	36.9
42.5°	147.4	146.2	140.2	128.7	112.4	96.1	78.5	69.5	47.7	36.2	33.2
45°	132.3	131.1	125.7	116.0	100.9	84.6	84.6	59.8	41.1	33.2	30.2
47.5°	116.0	114.8	110.6	103.3	90.0	75.5	61.6	48.9	37.5	29.6	27.2
50°	99.7	100.3	96.7	89.4	79.1	65.8	53.2	41.1	32.0	26.6	24.2
52.5°	83.4	82.8	80.3	75.5	68.3	56.8	45.3	35.0	27.8	23.6	22.4
55°	67.1	67.7	66.5	63.4	57.4	48.9	38.1	30.2	24.8	21.1	19.9
57.5°	55.6	56.2	53.8	52.0	47.1	39.9	31.4	25.4	21.1	18.7	17.5
60°	45.9	46.5	44.7	42.3	38.7	32.0	25.4	21.1	18.7	16.9	15.7
62.5°	37.5	36.9	35.6	33.2	30.2	25.4	20.5	17.5	15.7	14.5	13.9
65°	29.0	29.0	27.8	26.0	23.6	19.9	16.3	14.5	13.3	12.1	11.5
67.5°	21.7	21.7	20.5	19.3	16.9	14.5	12.7	11.5	10.9	9.7	9.1
70°	15.1	15.1	14.5	13.9	12.1	10.3	9.7	8.5	7.9	7.2	6.6
72.5°	9.7	9.7	9.7	8.5	7.9	6.6	6.6	6.0	5.4	4.8	4.8
75°	4.8	5.4	4.8	4.8	4.2	4.2	3.6	3.6	3.0	3.0	2.4
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2
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°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
2.5°	105.1	103.3	102.1	100.3	99.1	97.9	97.3	96.7	96.7	96.7
5°	102.1	99.1	96.1	93.0	91.2	89.4	87.6	87.0	86.4	86.4
7.5°	98.5	93.6	89.4	85.8	82.8	81.0	79.1	77.9	77.3	77.3
10°	93.6	87.6	82.8	77.9	74.9	72.5	71.3	69.5	69.5	68.9
12.5°	88.2	81.0	75.5	71.3	68.3	65.2	63.4	62.2	61.6	61.6
15°	82.2	74.9	68.9	64.0	61.0	58.0	56.2	55.0	54.4	54.4
17.5°	76.1	68.3	62.2	57.4	54.4	51.4	49.5	48.3	48.3	47.7
20°	70.1	62.2	56.2	51.4	48.3	45.9	44.1	42.9	42.3	42.9
22.5°	64.6	56.8	50.7	46.5	42.9	40.5	38.7	38.1	37.5	37.5
25°	58.6	51.4	45.9	41.7	38.7	36.2	34.4	33.8	33.2	32.6
26°	56.8	49.5	44.1	39.9	36.9	34.4	33.2	32.0	31.4	31.4
27.5°	54.4	46.5	41.7	37.5	34.4	32.6	30.8	30.2	29.6	29.6
30°	48.9	42.3	37.5	33.8	31.4	29.0	27.8	27.2	26.6	26.6
32.5°	44.7	38.1	33.8	30.8	28.4	26.6	25.4	24.2	24.2	24.2
35°	40.5	34.4	30.8	27.8	25.4	23.6	23.0	22.4	21.7	21.7
37.5°	36.9	31.4	27.8	25.4	23.6	21.7	20.5	19.9	19.9	19.9
40°	33.2	29.0	25.4	23.0	21.1	19.9	18.7	18.1	18.1	18.1
42.5°	30.2	26.0	23.6	21.1	19.3	18.1	17.5	16.9	16.3	16.3
45°	27.8	24.2	21.1	19.3	18.1	16.9	15.7	15.1	15.1	15.1
47.5°	24.8	22.4	19.3	17.5	16.3	15.1	14.5	13.9	13.9	13.9
50°	23.0	20.5	18.1	16.3	15.1	13.9	13.3	12.7	12.7	12.7
52.5°	20.5	18.7	16.9	15.1	13.9	12.7	12.1	11.5	11.5	11.5
55°	18.7	16.9	15.1	13.9	12.7	11.5	10.9	10.3	10.3	10.3
57.5°	16.9	15.1	13.9	12.7	11.5	10.9	9.7	9.7	9.1	9.1
60°	15.1	13.3	12.1	11.5	10.3	9.7	8.5	7.9	7.9	7.9
62.5°	12.7	12.1	10.9	9.7	8.5	7.9	7.2	6.6	6.6	6.6
65°	10.9	10.3	9.1	7.9	7.2	6.6	6.0	5.4	5.4	5.4
67.5°	9.1	7.9	7.2	6.6	6.0	5.4	4.8	4.2	3.6	4.2
70°	6.6	6.0	5.4	4.8	4.2	3.6	3.0	3.0	2.4	2.4
72.5°	4.2	3.6	3.6	3.0	2.4	2.4	1.8	1.8	1.2	1.2
75°	2.4	2.4	1.8	1.8	1.2	1.2	0.6	0.6	0.6	0.6
77.5°	1.2	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)