

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: P3ART02R70B2750DE010 E3CLSWW1MB\_5000K

Issue Date: 5/8/2026

**Test Information**

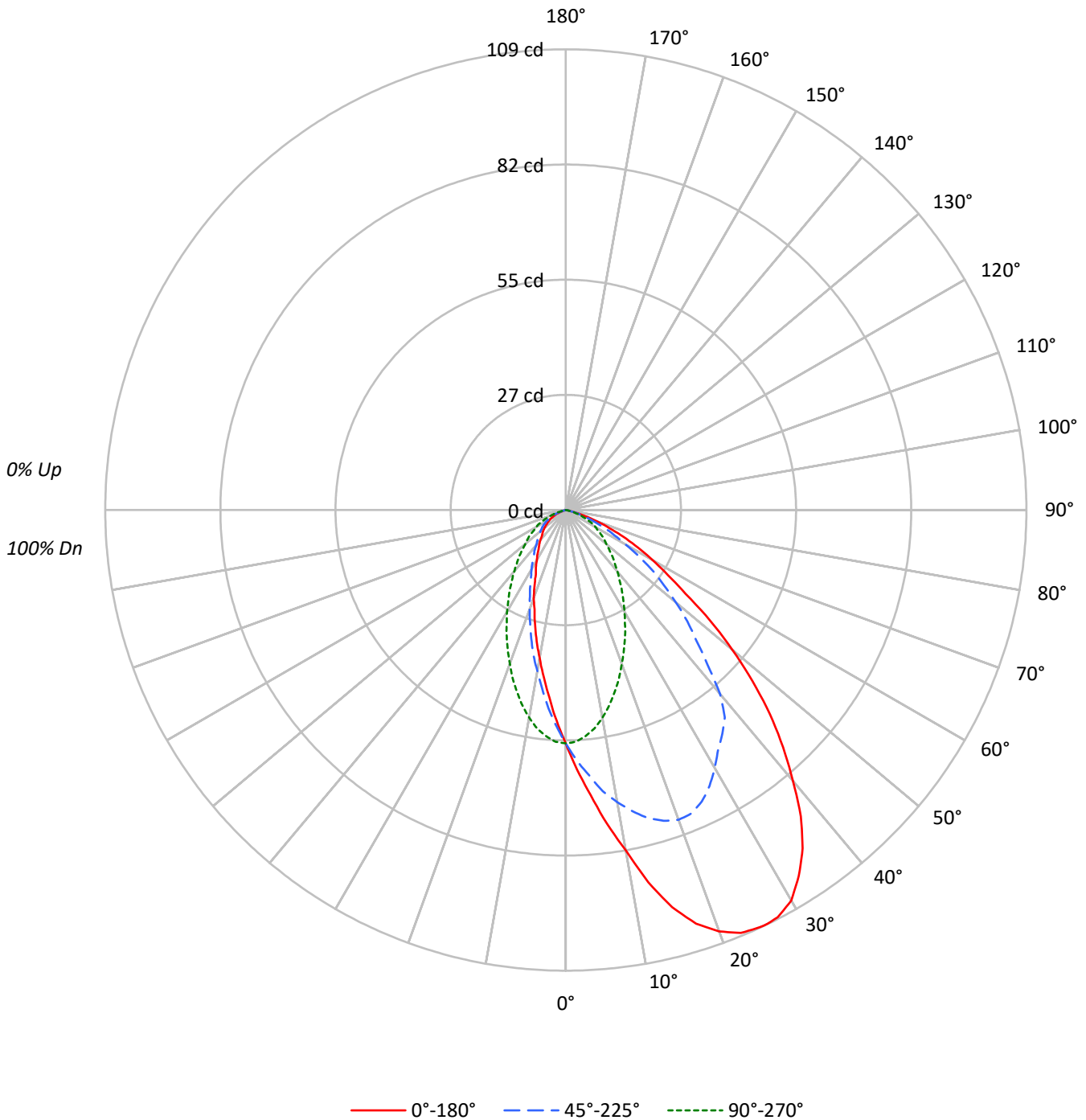
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3CLSWW1MB\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 110.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 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): 2.9  
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	12104	12104	12104	12104	12104
5°	14902	13867	11820	10368	9817
10°	18192	15631	11111	8617	7927
15°	22089	17140	10125	7151	6379
20°	24759	18202	9031	5834	5180
25°	26348	18412	8009	4839	4065
30°	27017	17851	7039	4102	3469
35°	26154	17293	6184	3507	2998
40°	23931	16259	5439	3120	2691
45°	21180	13552	4838	2915	2419
50°	17569	11599	4264	2661	2252
55°	13228	9672	3938	2523	2026
60°	10394	7236	3552	2324	1798
65°	7783	5344	3061	1920	1453
70°	5001	3398	2180	1410	769
75°	2118	1864	1017	508	254
80°	379	379	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21180 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	4.8
10°-20°	15.1	13.7
20°-30°	22.0	20.0
30°-40°	24.0	21.8
40°-50°	20.8	18.9
50°-60°	13.9	12.7
60°-70°	7.2	6.5
70°-80°	1.7	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>42.4</b>	<b>38.5</b>
<b>0°-40°</b>	<b>66.4</b>	<b>60.3</b>
<b>0°-60°</b>	<b>101.1</b>	<b>91.9</b>
<b>0°-90°</b>	<b>110.0</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>110.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	68	63	54	47	45	7
15°	97	76	45	32	28	28
25°	109	76	33	20	17	50
35°	98	65	23	13	11	60
45°	68	44	16	9	8	52
55°	35	25	10	7	5	32
65°	15	10	6	4	3	15
75°	2	2	1	1	0	3
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°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	61.5	61.1	61.1	60.5	59.9	59.3	58.3	57.4	56.5	55.5	54.9
5°	67.7	68.0	67.7	66.5	64.9	63.0	61.1	59.0	56.8	54.9	53.7
7.5°	74.9	74.9	73.9	72.4	70.2	67.1	64.0	60.2	56.8	53.7	52.1
10°	81.7	81.7	80.2	77.7	74.3	70.2	65.8	60.8	56.2	51.8	49.9
12.5°	90.2	89.9	88.0	83.9	78.9	73.0	67.1	60.8	55.2	49.9	47.4
15°	97.3	97.0	94.5	89.5	83.0	75.5	67.4	60.2	53.4	47.4	44.6
17.5°	102.6	102.0	99.2	93.9	86.4	77.1	67.7	59.0	51.2	44.6	41.8
20°	106.1	105.8	102.6	96.4	88.3	78.0	67.4	57.4	49.0	41.8	38.7
22.5°	108.3	107.6	104.5	97.7	88.3	77.7	66.1	55.2	46.2	39.0	35.9
25°	108.9	108.6	104.8	97.3	87.4	76.1	64.3	53.0	43.4	36.2	33.1
26°	108.9	108.6	104.8	97.0	86.7	75.2	63.3	52.1	42.4	34.9	32.1
27.5°	108.6	108.3	104.2	96.1	85.5	73.6	61.5	50.2	40.6	33.4	30.3
30°	106.7	106.1	102.0	93.9	82.7	70.5	58.3	47.4	37.8	30.6	27.8
32.5°	102.6	102.0	97.7	90.2	79.6	67.1	54.9	44.3	34.9	27.8	25.3
35°	97.7	97.0	92.7	85.5	75.2	64.6	51.2	40.9	31.8	25.6	23.1
37.5°	91.4	90.5	86.7	79.2	69.9	61.8	48.0	37.4	29.0	23.1	20.9
40°	83.6	83.3	79.9	73.0	63.6	56.8	46.2	37.4	26.5	20.9	19.0
42.5°	76.1	75.5	72.4	66.5	58.0	49.6	40.6	35.9	24.6	18.7	17.2
45°	68.3	67.7	64.9	59.9	52.1	43.7	43.7	30.9	21.2	17.2	15.6
47.5°	59.9	59.3	57.1	53.4	46.5	39.0	31.8	25.3	19.3	15.3	14.0
50°	51.5	51.8	49.9	46.2	40.9	34.0	27.5	21.2	16.5	13.7	12.5
52.5°	43.1	42.7	41.5	39.0	35.3	29.3	23.4	18.1	14.4	12.2	11.5
55°	34.6	34.9	34.3	32.8	29.6	25.3	19.7	15.6	12.8	10.9	10.3
57.5°	28.7	29.0	27.8	26.8	24.3	20.6	16.2	13.1	10.9	9.7	9.0
60°	23.7	24.0	23.1	21.8	20.0	16.5	13.1	10.9	9.7	8.7	8.1
62.5°	19.3	19.0	18.4	17.2	15.6	13.1	10.6	9.0	8.1	7.5	7.2
65°	15.0	15.0	14.4	13.4	12.2	10.3	8.4	7.5	6.9	6.2	5.9
67.5°	11.2	11.2	10.6	10.0	8.7	7.5	6.6	5.9	5.6	5.0	4.7
70°	7.8	7.8	7.5	7.2	6.2	5.3	5.0	4.4	4.1	3.7	3.4
72.5°	5.0	5.0	5.0	4.4	4.1	3.4	3.4	3.1	2.8	2.5	2.5
75°	2.5	2.8	2.5	2.5	2.2	2.2	1.9	1.9	1.6	1.6	1.2
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	54.3	53.4	52.7	51.8	51.2	50.5	50.2	49.9	49.9	49.9
5°	52.7	51.2	49.6	48.0	47.1	46.2	45.2	44.9	44.6	44.6
7.5°	50.9	48.4	46.2	44.3	42.7	41.8	40.9	40.2	39.9	39.9
10°	48.4	45.2	42.7	40.2	38.7	37.4	36.8	35.9	35.9	35.6
12.5°	45.6	41.8	39.0	36.8	35.3	33.7	32.8	32.1	31.8	31.8
15°	42.4	38.7	35.6	33.1	31.5	30.0	29.0	28.4	28.1	28.1
17.5°	39.3	35.3	32.1	29.6	28.1	26.5	25.6	25.0	25.0	24.6
20°	36.2	32.1	29.0	26.5	25.0	23.7	22.8	22.2	21.8	22.2
22.5°	33.4	29.3	26.2	24.0	22.2	20.9	20.0	19.7	19.3	19.3
25°	30.3	26.5	23.7	21.5	20.0	18.7	17.8	17.5	17.2	16.8
26°	29.3	25.6	22.8	20.6	19.0	17.8	17.2	16.5	16.2	16.2
27.5°	28.1	24.0	21.5	19.3	17.8	16.8	15.9	15.6	15.3	15.3
30°	25.3	21.8	19.3	17.5	16.2	15.0	14.4	14.0	13.7	13.7
32.5°	23.1	19.7	17.5	15.9	14.7	13.7	13.1	12.5	12.5	12.5
35°	20.9	17.8	15.9	14.4	13.1	12.2	11.9	11.5	11.2	11.2
37.5°	19.0	16.2	14.4	13.1	12.2	11.2	10.6	10.3	10.3	10.3
40°	17.2	15.0	13.1	11.9	10.9	10.3	9.7	9.4	9.4	9.4
42.5°	15.6	13.4	12.2	10.9	10.0	9.4	9.0	8.7	8.4	8.4
45°	14.4	12.5	10.9	10.0	9.4	8.7	8.1	7.8	7.8	7.8
47.5°	12.8	11.5	10.0	9.0	8.4	7.8	7.5	7.2	7.2	7.2
50°	11.9	10.6	9.4	8.4	7.8	7.2	6.9	6.6	6.6	6.6
52.5°	10.6	9.7	8.7	7.8	7.2	6.6	6.2	5.9	5.9	5.9
55°	9.7	8.7	7.8	7.2	6.6	5.9	5.6	5.3	5.3	5.3
57.5°	8.7	7.8	7.2	6.6	5.9	5.6	5.0	5.0	4.7	4.7
60°	7.8	6.9	6.2	5.9	5.3	5.0	4.4	4.1	4.1	4.1
62.5°	6.6	6.2	5.6	5.0	4.4	4.1	3.7	3.4	3.4	3.4
65°	5.6	5.3	4.7	4.1	3.7	3.4	3.1	2.8	2.8	2.8
67.5°	4.7	4.1	3.7	3.4	3.1	2.8	2.5	2.2	1.9	2.2
70°	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.6	1.2	1.2
72.5°	2.2	1.9	1.9	1.6	1.2	1.2	0.9	0.9	0.6	0.6
75°	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3
77.5°	0.6	0.3	0.3	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)