

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: P3ART17R709835DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

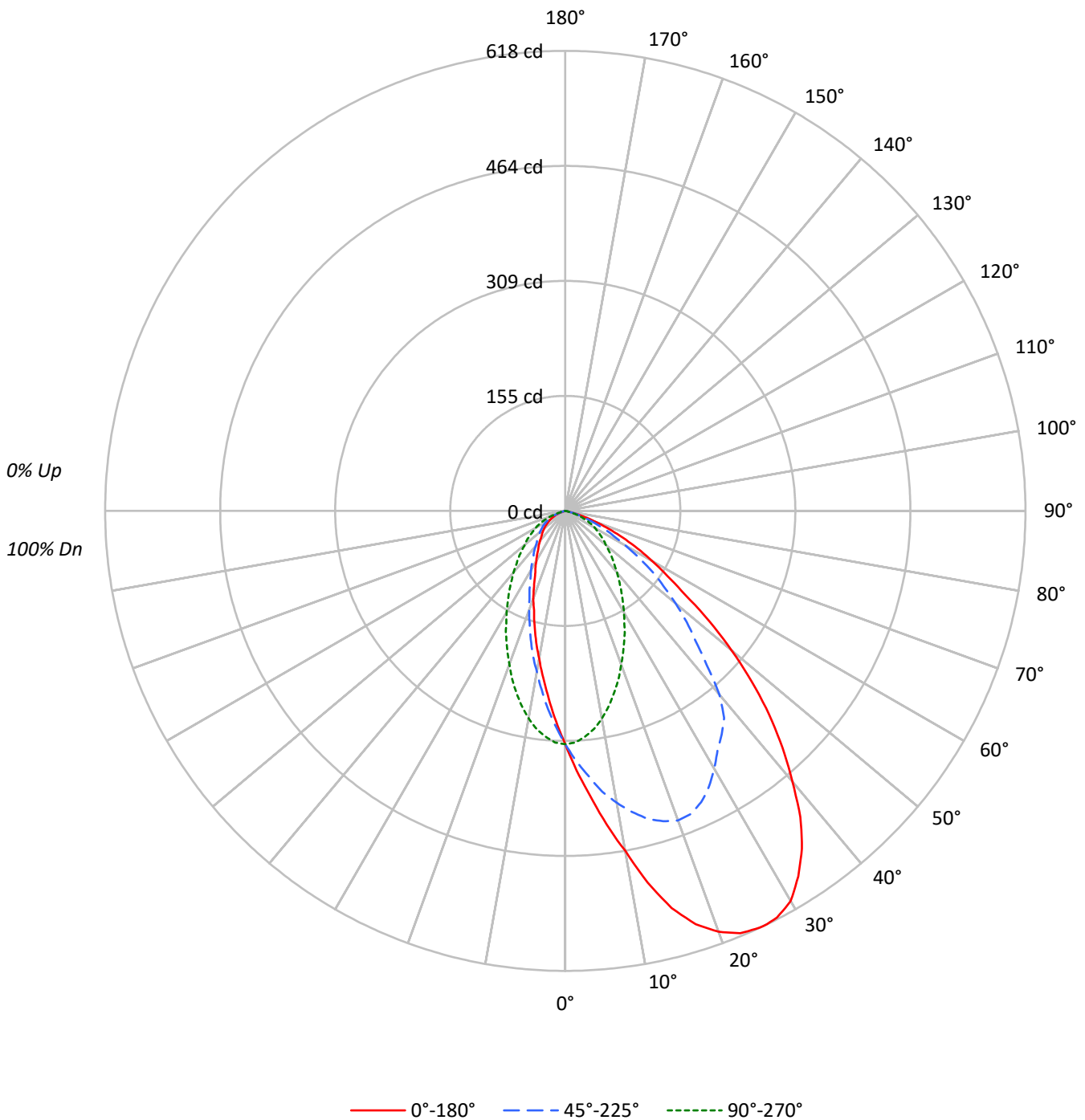
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709835DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 624.0 lumens  
Efficiency: N/A  
Efficacy: 30.6 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): 20.4  
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78				
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68				
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60				
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43				
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39				
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

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

	0°	45°	90°	135°	180°
0°	68701	68701	68701	68701	68701
5°	84547	78692	67004	58816	55712
10°	103249	88665	63058	48875	44933
15°	125358	97231	57458	40590	36164
20°	140409	103259	51221	33043	29333
25°	149452	104474	45390	27413	23130
30°	153264	101281	39880	23295	19725
35°	148302	98082	35068	19890	17052
40°	135769	92201	30915	17719	15200
45°	120199	76845	27445	16467	13707
50°	99613	65806	24153	15078	12690
55°	75123	54822	22327	14222	11507
60°	58987	41137	20174	13201	10087
65°	44103	30302	17434	11000	8250
70°	28338	19298	12502	7950	4552
75°	12031	10506	6015	2965	1525
80°	2273	2273	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 120199 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	4.8
10°-20°	85.5	13.7
20°-30°	125.1	20.0
30°-40°	136.3	21.8
40°-50°	117.9	18.9
50°-60°	79.0	12.7
60°-70°	40.8	6.5
70°-80°	9.7	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°	240.3	38.5
0°-40°	376.6	60.3
0°-60°	573.5	91.9
0°-90°	624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	313	313	313	313	313	
5°	384	358	304	267	253	39
15°	552	428	253	179	159	156
25°	618	432	188	113	96	284
35°	554	366	131	74	64	343
45°	388	248	88	53	44	297
55°	196	143	58	37	30	182
65°	85	58	34	21	16	86
75°	14	12	7	4	2	19
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°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	348.7	346.9	346.9	343.3	339.8	336.3	331.0	325.6	320.3	315.0	311.5
5°	384.1	385.8	384.1	377.0	368.1	357.5	346.9	334.5	322.1	311.5	304.4
7.5°	424.8	424.8	419.4	410.6	398.2	380.5	362.8	341.6	322.1	304.4	295.6
10°	463.7	463.7	454.8	440.7	421.2	398.2	373.4	345.1	318.6	293.8	283.2
12.5°	511.5	509.7	499.1	476.1	447.8	414.1	380.5	345.1	313.3	283.2	269.0
15°	552.2	550.4	536.3	507.9	470.8	428.3	382.3	341.6	302.6	269.0	253.1
17.5°	582.3	578.7	562.8	532.7	490.2	437.1	384.1	334.5	290.3	253.1	237.2
20°	601.7	600.0	582.3	546.9	500.9	442.5	382.3	325.6	277.9	237.2	219.5
22.5°	614.1	610.6	592.9	554.0	500.9	440.7	375.2	313.3	261.9	221.2	203.5
25°	617.7	615.9	594.7	552.2	495.6	431.8	364.6	300.9	246.0	205.3	187.6
26°	617.7	615.9	594.7	550.4	492.0	426.5	359.3	295.6	240.7	198.2	182.3
27.5°	615.9	614.1	591.1	545.1	484.9	417.7	348.7	284.9	230.1	189.4	171.7
30°	605.3	601.7	578.7	532.7	469.0	400.0	331.0	269.0	214.1	173.4	157.5
32.5°	582.3	578.7	554.0	511.5	451.3	380.5	311.5	251.3	198.2	157.5	143.4
35°	554.0	550.4	525.6	484.9	426.5	366.4	290.3	231.8	180.5	145.1	131.0
37.5°	518.6	513.2	492.0	449.5	396.4	350.4	272.6	212.4	164.6	131.0	118.6
40°	474.3	472.5	453.1	414.1	361.0	322.1	261.9	212.4	150.4	118.6	108.0
42.5°	431.8	428.3	410.6	377.0	329.2	281.4	230.1	203.5	139.8	106.2	97.3
45°	387.6	384.1	368.1	339.8	295.6	247.8	247.8	175.2	120.3	97.3	88.5
47.5°	339.8	336.3	323.9	302.6	263.7	221.2	180.5	143.4	109.7	86.7	79.6
50°	292.0	293.8	283.2	261.9	231.8	192.9	155.7	120.3	93.8	77.9	70.8
52.5°	244.2	242.5	235.4	221.2	200.0	166.4	132.7	102.6	81.4	69.0	65.5
55°	196.5	198.2	194.7	185.8	168.1	143.4	111.5	88.5	72.6	61.9	58.4
57.5°	162.8	164.6	157.5	152.2	138.0	116.8	92.0	74.3	61.9	54.9	51.3
60°	134.5	136.3	131.0	123.9	113.3	93.8	74.3	61.9	54.9	49.6	46.0
62.5°	109.7	108.0	104.4	97.3	88.5	74.3	60.2	51.3	46.0	42.5	40.7
65°	85.0	85.0	81.4	76.1	69.0	58.4	47.8	42.5	38.9	35.4	33.6
67.5°	63.7	63.7	60.2	56.6	49.6	42.5	37.2	33.6	31.9	28.3	26.5
70°	44.2	44.2	42.5	40.7	35.4	30.1	28.3	24.8	23.0	21.2	19.5
72.5°	28.3	28.3	28.3	24.8	23.0	19.5	19.5	17.7	15.9	14.2	14.2
75°	14.2	15.9	14.2	14.2	12.4	12.4	10.6	10.6	8.8	8.8	7.1
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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°	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3	313.3
2.5°	307.9	302.6	299.1	293.8	290.3	286.7	284.9	283.2	283.2	283.2
5°	299.1	290.3	281.4	272.6	267.2	261.9	256.6	254.9	253.1	253.1
7.5°	288.5	274.3	261.9	251.3	242.5	237.2	231.8	228.3	226.5	226.5
10°	274.3	256.6	242.5	228.3	219.5	212.4	208.8	203.5	203.5	201.8
12.5°	258.4	237.2	221.2	208.8	200.0	191.1	185.8	182.3	180.5	180.5
15°	240.7	219.5	201.8	187.6	178.8	169.9	164.6	161.1	159.3	159.3
17.5°	223.0	200.0	182.3	168.1	159.3	150.4	145.1	141.6	141.6	139.8
20°	205.3	182.3	164.6	150.4	141.6	134.5	129.2	125.7	123.9	125.7
22.5°	189.4	166.4	148.7	136.3	125.7	118.6	113.3	111.5	109.7	109.7
25°	171.7	150.4	134.5	122.1	113.3	106.2	100.9	99.1	97.3	95.6
26°	166.4	145.1	129.2	116.8	108.0	100.9	97.3	93.8	92.0	92.0
27.5°	159.3	136.3	122.1	109.7	100.9	95.6	90.3	88.5	86.7	86.7
30°	143.4	123.9	109.7	99.1	92.0	85.0	81.4	79.6	77.9	77.9
32.5°	131.0	111.5	99.1	90.3	83.2	77.9	74.3	70.8	70.8	70.8
35°	118.6	100.9	90.3	81.4	74.3	69.0	67.3	65.5	63.7	63.7
37.5°	108.0	92.0	81.4	74.3	69.0	63.7	60.2	58.4	58.4	58.4
40°	97.3	85.0	74.3	67.3	61.9	58.4	54.9	53.1	53.1	53.1
42.5°	88.5	76.1	69.0	61.9	56.6	53.1	51.3	49.6	47.8	47.8
45°	81.4	70.8	61.9	56.6	53.1	49.6	46.0	44.2	44.2	44.2
47.5°	72.6	65.5	56.6	51.3	47.8	44.2	42.5	40.7	40.7	40.7
50°	67.3	60.2	53.1	47.8	44.2	40.7	38.9	37.2	37.2	37.2
52.5°	60.2	54.9	49.6	44.2	40.7	37.2	35.4	33.6	33.6	33.6
55°	54.9	49.6	44.2	40.7	37.2	33.6	31.9	30.1	30.1	30.1
57.5°	49.6	44.2	40.7	37.2	33.6	31.9	28.3	28.3	26.5	26.5
60°	44.2	38.9	35.4	33.6	30.1	28.3	24.8	23.0	23.0	23.0
62.5°	37.2	35.4	31.9	28.3	24.8	23.0	21.2	19.5	19.5	19.5
65°	31.9	30.1	26.5	23.0	21.2	19.5	17.7	15.9	15.9	15.9
67.5°	26.5	23.0	21.2	19.5	17.7	15.9	14.2	12.4	10.6	12.4
70°	19.5	17.7	15.9	14.2	12.4	10.6	8.8	8.8	7.1	7.1
72.5°	12.4	10.6	10.6	8.8	7.1	7.1	5.3	5.3	3.5	3.5
75°	7.1	7.1	5.3	5.3	3.5	3.5	1.8	1.8	1.8	1.8
77.5°	3.5	1.8	1.8	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)