

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: P3ART17R709830DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

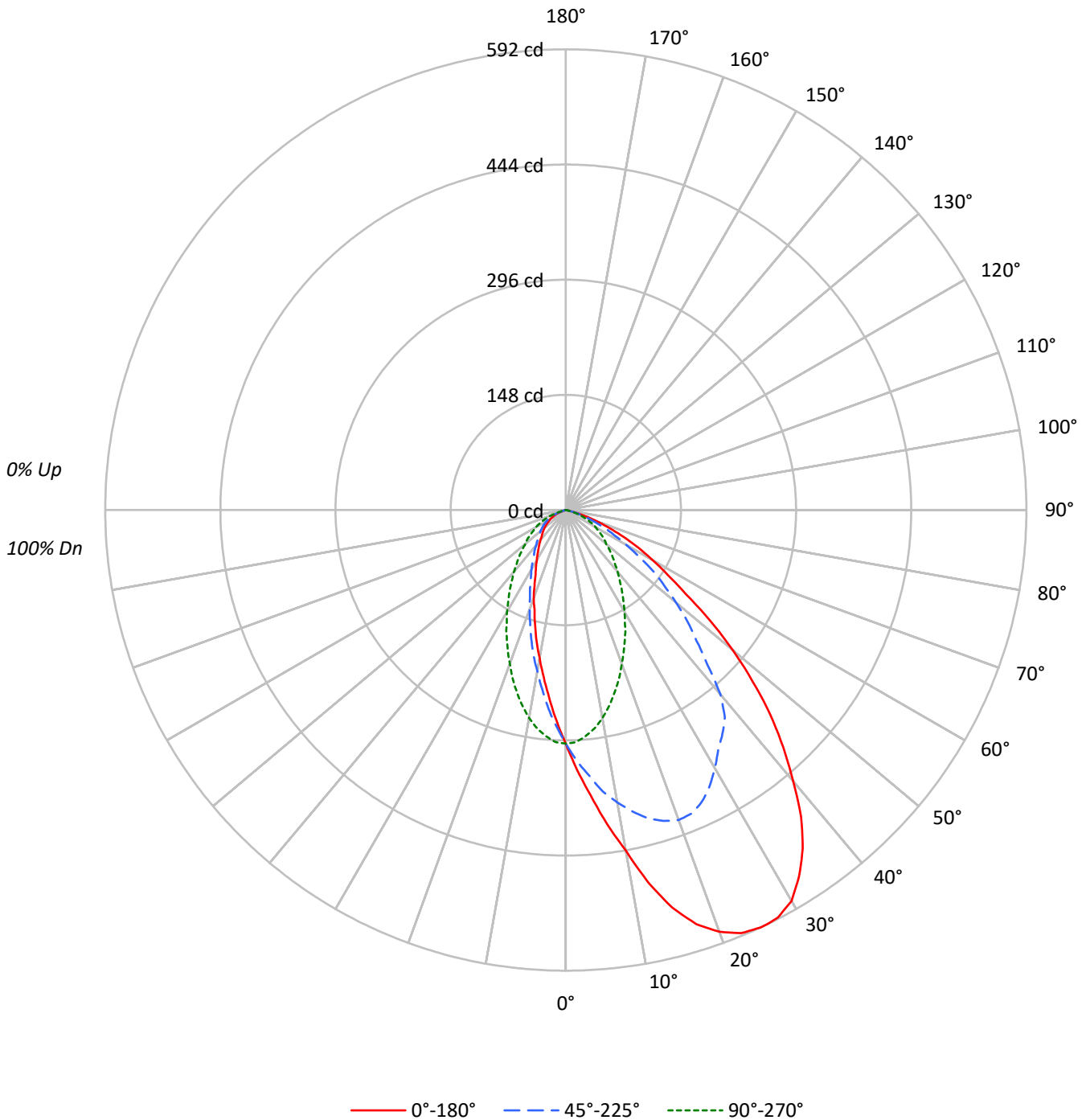
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709830DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 598.0 lumens  
Efficiency: N/A  
Efficacy: 29.3 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 (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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

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

	0°	45°	90°	135°	180°
0°	65828	65828	65828	65828	65828
5°	81026	75413	64209	56372	53379
10°	98952	84968	60431	46826	43063
15°	120137	93190	55051	38888	34643
20°	134575	98942	49074	31666	28096
25°	143210	100119	43503	26252	22163
30°	146883	97053	38234	22333	18889
35°	142118	93987	33595	19060	16356
40°	130130	88366	29627	17003	14570
45°	115175	73651	26297	15785	13149
50°	95485	63077	23129	14464	12145
55°	71988	52529	21409	13610	11010
60°	56531	39427	19341	12631	9648
65°	42235	29056	16707	10585	7939
70°	27184	18465	11989	7629	4360
75°	11522	10082	5761	2881	1440
80°	2147	2147	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 115175 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	4.8
10°-20°	82.0	13.7
20°-30°	119.8	20.0
30°-40°	130.6	21.8
40°-50°	113.0	18.9
50°-60°	75.7	12.7
60°-70°	39.1	6.5
70°-80°	9.3	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°	230.3	38.5
0°-40°	360.9	60.3
0°-60°	549.6	91.9
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	368	343	292	256	242	38
15°	529	410	242	171	153	150
25°	592	414	180	108	92	272
35°	531	351	126	71	61	329
45°	371	238	85	51	42	284
55°	188	137	56	36	29	174
65°	81	56	32	20	15	82
75°	14	12	7	3	2	18
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°	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2
2.5°	334.1	332.4	332.4	329.0	325.6	322.3	317.2	312.1	307.0	301.9	298.5
5°	368.1	369.7	368.1	361.3	352.8	342.6	332.4	320.6	308.7	298.5	291.7
7.5°	407.1	407.1	402.0	393.5	381.6	364.7	347.7	327.3	308.7	291.7	283.2
10°	444.4	444.4	435.9	422.3	403.7	381.6	357.9	330.7	305.3	281.6	271.4
12.5°	490.2	488.5	478.3	456.2	429.1	396.9	364.7	330.7	300.2	271.4	257.8
15°	529.2	527.5	513.9	486.8	451.2	410.5	366.4	327.3	290.0	257.8	242.5
17.5°	558.0	554.6	539.4	510.5	469.8	418.9	368.1	320.6	278.2	242.5	227.3
20°	576.7	575.0	558.0	524.1	480.0	424.0	366.4	312.1	266.3	227.3	210.3
22.5°	588.5	585.1	568.2	530.9	480.0	422.3	359.6	300.2	251.0	212.0	195.0
25°	591.9	590.2	569.9	529.2	474.9	413.8	349.4	288.3	235.8	196.7	179.8
26°	591.9	590.2	569.9	527.5	471.5	408.8	344.3	283.2	230.7	190.0	174.7
27.5°	590.2	588.5	566.5	522.4	464.7	400.3	334.1	273.1	220.5	181.5	164.5
30°	580.1	576.7	554.6	510.5	449.5	383.3	317.2	257.8	205.2	166.2	151.0
32.5°	558.0	554.6	530.9	490.2	432.5	364.7	298.5	240.8	190.0	151.0	137.4
35°	530.9	527.5	503.7	464.7	408.8	351.1	278.2	222.2	173.0	139.1	125.5
37.5°	497.0	491.9	471.5	430.8	379.9	335.8	261.2	203.5	157.7	125.5	113.6
40°	454.6	452.9	434.2	396.9	346.0	308.7	251.0	203.5	144.2	113.6	103.5
42.5°	413.8	410.5	393.5	361.3	315.5	269.7	220.5	195.0	134.0	101.8	93.3
45°	371.4	368.1	352.8	325.6	283.2	237.5	237.5	167.9	115.3	93.3	84.8
47.5°	325.6	322.3	310.4	290.0	252.7	212.0	173.0	137.4	105.2	83.1	76.3
50°	279.9	281.6	271.4	251.0	222.2	184.9	149.3	115.3	89.9	74.6	67.8
52.5°	234.1	232.4	225.6	212.0	191.7	159.4	127.2	98.4	78.0	66.1	62.8
55°	188.3	190.0	186.6	178.1	161.1	137.4	106.9	84.8	69.5	59.4	56.0
57.5°	156.0	157.7	151.0	145.9	132.3	111.9	88.2	71.2	59.4	52.6	49.2
60°	128.9	130.6	125.5	118.7	108.5	89.9	71.2	59.4	52.6	47.5	44.1
62.5°	105.2	103.5	100.1	93.3	84.8	71.2	57.7	49.2	44.1	40.7	39.0
65°	81.4	81.4	78.0	72.9	66.1	56.0	45.8	40.7	37.3	33.9	32.2
67.5°	61.1	61.1	57.7	54.3	47.5	40.7	35.6	32.2	30.5	27.1	25.4
70°	42.4	42.4	40.7	39.0	33.9	28.8	27.1	23.7	22.0	20.4	18.7
72.5°	27.1	27.1	27.1	23.7	22.0	18.7	18.7	17.0	15.3	13.6	13.6
75°	13.6	15.3	13.6	13.6	11.9	11.9	10.2	10.2	8.5	8.5	6.8
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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°	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2	300.2
2.5°	295.1	290.0	286.6	281.6	278.2	274.8	273.1	271.4	271.4	271.4
5°	286.6	278.2	269.7	261.2	256.1	251.0	245.9	244.2	242.5	242.5
7.5°	276.5	262.9	251.0	240.8	232.4	227.3	222.2	218.8	217.1	217.1
10°	262.9	245.9	232.4	218.8	210.3	203.5	200.1	195.0	195.0	193.4
12.5°	247.6	227.3	212.0	200.1	191.7	183.2	178.1	174.7	173.0	173.0
15°	230.7	210.3	193.4	179.8	171.3	162.8	157.7	154.3	152.6	152.6
17.5°	213.7	191.7	174.7	161.1	152.6	144.2	139.1	135.7	135.7	134.0
20°	196.7	174.7	157.7	144.2	135.7	128.9	123.8	120.4	118.7	120.4
22.5°	181.5	159.4	142.5	130.6	120.4	113.6	108.5	106.9	105.2	105.2
25°	164.5	144.2	128.9	117.0	108.5	101.8	96.7	95.0	93.3	91.6
26°	159.4	139.1	123.8	111.9	103.5	96.7	93.3	89.9	88.2	88.2
27.5°	152.6	130.6	117.0	105.2	96.7	91.6	86.5	84.8	83.1	83.1
30°	137.4	118.7	105.2	95.0	88.2	81.4	78.0	76.3	74.6	74.6
32.5°	125.5	106.9	95.0	86.5	79.7	74.6	71.2	67.8	67.8	67.8
35°	113.6	96.7	86.5	78.0	71.2	66.1	64.5	62.8	61.1	61.1
37.5°	103.5	88.2	78.0	71.2	66.1	61.1	57.7	56.0	56.0	56.0
40°	93.3	81.4	71.2	64.5	59.4	56.0	52.6	50.9	50.9	50.9
42.5°	84.8	72.9	66.1	59.4	54.3	50.9	49.2	47.5	45.8	45.8
45°	78.0	67.8	59.4	54.3	50.9	47.5	44.1	42.4	42.4	42.4
47.5°	69.5	62.8	54.3	49.2	45.8	42.4	40.7	39.0	39.0	39.0
50°	64.5	57.7	50.9	45.8	42.4	39.0	37.3	35.6	35.6	35.6
52.5°	57.7	52.6	47.5	42.4	39.0	35.6	33.9	32.2	32.2	32.2
55°	52.6	47.5	42.4	39.0	35.6	32.2	30.5	28.8	28.8	28.8
57.5°	47.5	42.4	39.0	35.6	32.2	30.5	27.1	27.1	25.4	25.4
60°	42.4	37.3	33.9	32.2	28.8	27.1	23.7	22.0	22.0	22.0
62.5°	35.6	33.9	30.5	27.1	23.7	22.0	20.4	18.7	18.7	18.7
65°	30.5	28.8	25.4	22.0	20.4	18.7	17.0	15.3	15.3	15.3
67.5°	25.4	22.0	20.4	18.7	17.0	15.3	13.6	11.9	10.2	11.9
70°	18.7	17.0	15.3	13.6	11.9	10.2	8.5	8.5	6.8	6.8
72.5°	11.9	10.2	10.2	8.5	6.8	6.8	5.1	5.1	3.4	3.4
75°	6.8	6.8	5.1	5.1	3.4	3.4	1.7	1.7	1.7	1.7
77.5°	3.4	1.7	1.7	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)