

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: P3ART17R70W2N902765DE010 E3LCWW1LI\_5000K

Issue Date: 5/8/2026

**Test Information**

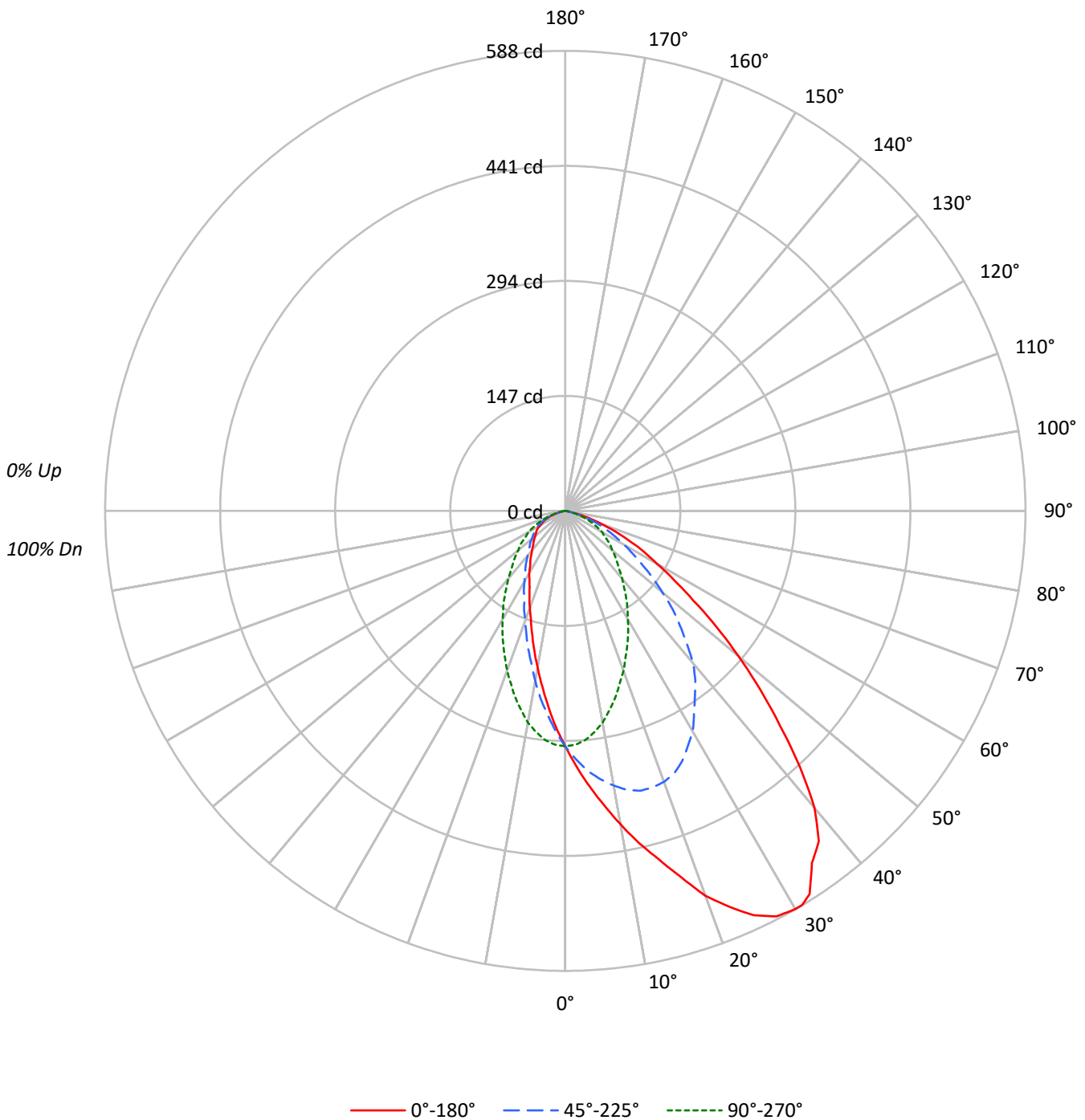
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902765DE010 E3LCWW1LI\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3LCWW1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 612.0 lumens  
Efficiency: N/A  
Efficacy: 31.5 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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	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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	65960	65960	65960	65960	65960
5°	77702	73497	64693	57407	55118
10°	90602	79380	61166	49164	45290
15°	104609	84087	56050	41453	37117
20°	122137	86014	50731	34886	30849
25°	137984	85408	45438	29881	26082
30°	148808	82342	40513	26409	23345
35°	147097	77283	36299	23744	20934
40°	141866	72679	32346	21412	18921
45°	120261	64162	29119	19940	17800
50°	98487	55162	26677	18967	17193
55°	76461	45877	25270	18618	17280
60°	59469	38111	23638	18288	16007
65°	46905	31599	20754	17122	15358
70°	32313	23401	16734	14490	13400
75°	16182	13217	11777	10336	8811
80°	2147	4420	6566	4420	2147
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 120261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.1	4.6
10°-20°	78.4	12.8
20°-30°	115.5	18.9
30°-40°	129.5	21.2
40°-50°	113.8	18.6
50°-60°	81.5	13.3
60°-70°	48.3	7.9
70°-80°	16.2	2.6
80°-90°	0.8	0.1
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°	222.0	36.3
0°-40°	351.5	57.4
0°-60°	546.8	89.3
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	301	301	301	301	301	
5°	353	334	294	261	250	35
15°	461	370	247	183	164	133
25°	570	353	188	124	108	262
35°	550	289	136	89	78	345
45°	388	207	94	64	57	300
55°	200	120	66	49	45	183
65°	90	61	40	33	30	90
75°	19	16	14	12	10	23
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°	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8
2.5°	326.9	326.9	326.9	323.4	323.4	318.2	314.7	309.5	306.0	300.8	299.1
5°	353.0	353.0	349.5	346.0	340.8	333.9	325.2	316.5	306.0	297.3	293.9
7.5°	379.1	380.8	375.6	368.6	358.2	346.0	333.9	320.0	304.3	292.1	285.2
10°	406.9	406.9	399.9	389.5	373.9	356.5	337.3	318.2	299.1	281.7	274.7
12.5°	434.7	433.0	424.3	408.6	389.5	365.2	339.1	314.7	292.1	271.3	260.8
15°	460.8	460.8	448.6	429.5	401.7	370.4	339.1	307.8	281.7	257.4	246.9
17.5°	490.4	490.4	474.7	445.1	410.4	370.4	333.9	299.1	269.5	243.4	231.3
20°	523.4	521.7	499.1	459.1	413.8	368.6	326.9	288.7	255.6	227.8	217.4
22.5°	547.7	546.0	519.9	471.2	415.6	363.4	314.7	274.7	241.7	213.9	201.7
25°	570.3	566.9	537.3	476.4	412.1	353.0	302.6	259.1	227.8	200.0	187.8
27.5°	584.3	582.5	549.5	474.7	403.4	339.1	286.9	245.2	212.1	184.3	173.9
30°	587.7	589.5	549.5	466.0	389.5	325.2	271.3	229.5	196.5	172.1	160.0
31°	587.7	589.5	546.0	460.8	384.3	318.2	264.3	224.3	189.5	165.2	154.8
32.5°	580.8	577.3	540.8	452.1	372.1	306.0	255.6	215.6	180.8	156.5	147.8
35°	549.5	551.2	523.4	433.0	354.7	288.7	238.2	198.2	165.2	144.3	135.6
37.5°	532.1	532.1	481.7	406.9	335.6	273.0	217.4	179.1	151.3	132.2	123.5
40°	495.6	490.4	443.4	379.1	313.0	253.9	205.2	166.9	139.1	120.0	113.0
42.5°	443.4	438.2	401.7	354.7	283.4	229.5	194.8	147.8	125.2	109.5	102.6
45°	387.8	384.3	356.5	313.0	255.6	206.9	168.7	135.6	114.8	99.1	93.9
47.5°	337.3	332.1	311.3	278.2	231.3	186.1	146.1	121.7	102.6	90.4	86.9
50°	288.7	286.9	269.5	243.4	205.2	161.7	128.7	107.8	93.9	83.5	78.2
52.5°	243.4	240.0	231.3	210.4	179.1	140.8	113.0	95.6	83.5	76.5	73.0
55°	200.0	200.0	191.3	177.4	153.0	120.0	99.1	85.2	74.8	69.6	66.1
57.5°	165.2	165.2	158.2	149.5	126.9	102.6	86.9	74.8	67.8	62.6	59.1
60°	135.6	135.6	130.4	121.7	106.1	86.9	74.8	66.1	60.9	55.6	53.9
62.5°	113.0	111.3	107.8	99.1	86.9	73.0	64.3	57.4	52.2	48.7	46.9
65°	90.4	88.7	85.2	78.2	69.6	60.9	53.9	48.7	45.2	41.7	40.0
67.5°	69.6	69.6	66.1	60.9	53.9	48.7	43.5	40.0	36.5	34.8	33.0
70°	50.4	50.4	48.7	45.2	40.0	36.5	33.0	31.3	29.6	27.8	26.1
72.5°	34.8	34.8	33.0	31.3	27.8	26.1	22.6	22.6	20.9	20.9	19.1
75°	19.1	19.1	19.1	17.4	17.4	15.6	15.6	15.6	13.9	13.9	13.9
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	5.2	5.2	5.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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°	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8
2.5°	297.3	292.1	288.7	286.9	281.7	280.0	278.2	276.5	276.5	276.5
5°	290.4	281.7	273.0	267.8	260.8	257.4	253.9	252.1	250.4	250.4
7.5°	278.2	267.8	257.4	248.7	241.7	234.7	231.3	227.8	227.8	226.1
10°	266.0	252.1	240.0	227.8	220.8	212.1	208.7	205.2	203.4	203.4
12.5°	252.1	234.7	220.8	210.4	200.0	193.0	187.8	184.3	182.6	182.6
15°	236.5	219.1	203.4	193.0	182.6	173.9	168.7	165.2	163.5	163.5
17.5°	220.8	203.4	186.1	175.6	165.2	156.5	153.0	149.5	147.8	146.1
20°	206.9	186.1	172.1	158.2	149.5	142.6	137.4	133.9	132.2	132.2
22.5°	191.3	172.1	156.5	146.1	137.4	130.4	123.5	121.7	120.0	120.0
25°	175.6	158.2	144.3	133.9	123.5	118.2	113.0	109.5	109.5	107.8
27.5°	163.5	146.1	132.2	121.7	114.8	107.8	104.3	100.9	99.1	99.1
30°	149.5	133.9	121.7	113.0	104.3	99.1	95.6	92.2	92.2	92.2
31°	146.1	130.4	118.2	107.8	100.9	95.6	92.2	90.4	88.7	88.7
32.5°	137.4	123.5	111.3	102.6	95.6	90.4	86.9	85.2	85.2	83.5
35°	126.9	113.0	102.6	93.9	88.7	83.5	80.0	78.2	78.2	78.2
37.5°	116.5	104.3	93.9	86.9	81.7	76.5	74.8	71.3	71.3	71.3
40°	106.1	95.6	86.9	80.0	74.8	71.3	69.6	67.8	66.1	66.1
42.5°	97.4	86.9	80.0	74.8	69.6	66.1	64.3	62.6	62.6	60.9
45°	88.7	80.0	74.8	69.6	64.3	62.6	60.9	59.1	57.4	57.4
47.5°	81.7	74.8	67.8	64.3	60.9	57.4	55.6	55.6	53.9	53.9
50°	74.8	67.8	62.6	59.1	55.6	53.9	52.2	52.2	50.4	50.4
52.5°	69.6	62.6	59.1	55.6	52.2	50.4	48.7	48.7	46.9	46.9
55°	62.6	57.4	53.9	52.2	48.7	46.9	45.2	43.5	43.5	45.2
57.5°	57.4	53.9	50.4	48.7	45.2	43.5	41.7	41.7	40.0	41.7
60°	52.2	48.7	45.2	43.5	41.7	40.0	38.3	36.5	36.5	36.5
62.5°	46.9	43.5	41.7	38.3	36.5	36.5	34.8	34.8	34.8	33.0
65°	40.0	38.3	36.5	34.8	33.0	31.3	31.3	29.6	29.6	29.6
67.5°	33.0	31.3	29.6	29.6	27.8	26.1	26.1	26.1	26.1	24.3
70°	26.1	24.3	24.3	22.6	22.6	22.6	20.9	20.9	20.9	20.9
72.5°	19.1	19.1	17.4	17.4	17.4	17.4	15.6	15.6	15.6	15.6
75°	13.9	13.9	13.9	12.2	12.2	12.2	10.4	10.4	10.4	10.4
77.5°	8.7	8.7	8.7	8.7	8.7	7.0	7.0	7.0	7.0	7.0
80°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	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)