

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: P3ART24R709030D010 E3LSWW1WMH

Issue Date: 5/8/2026

**Test Information**

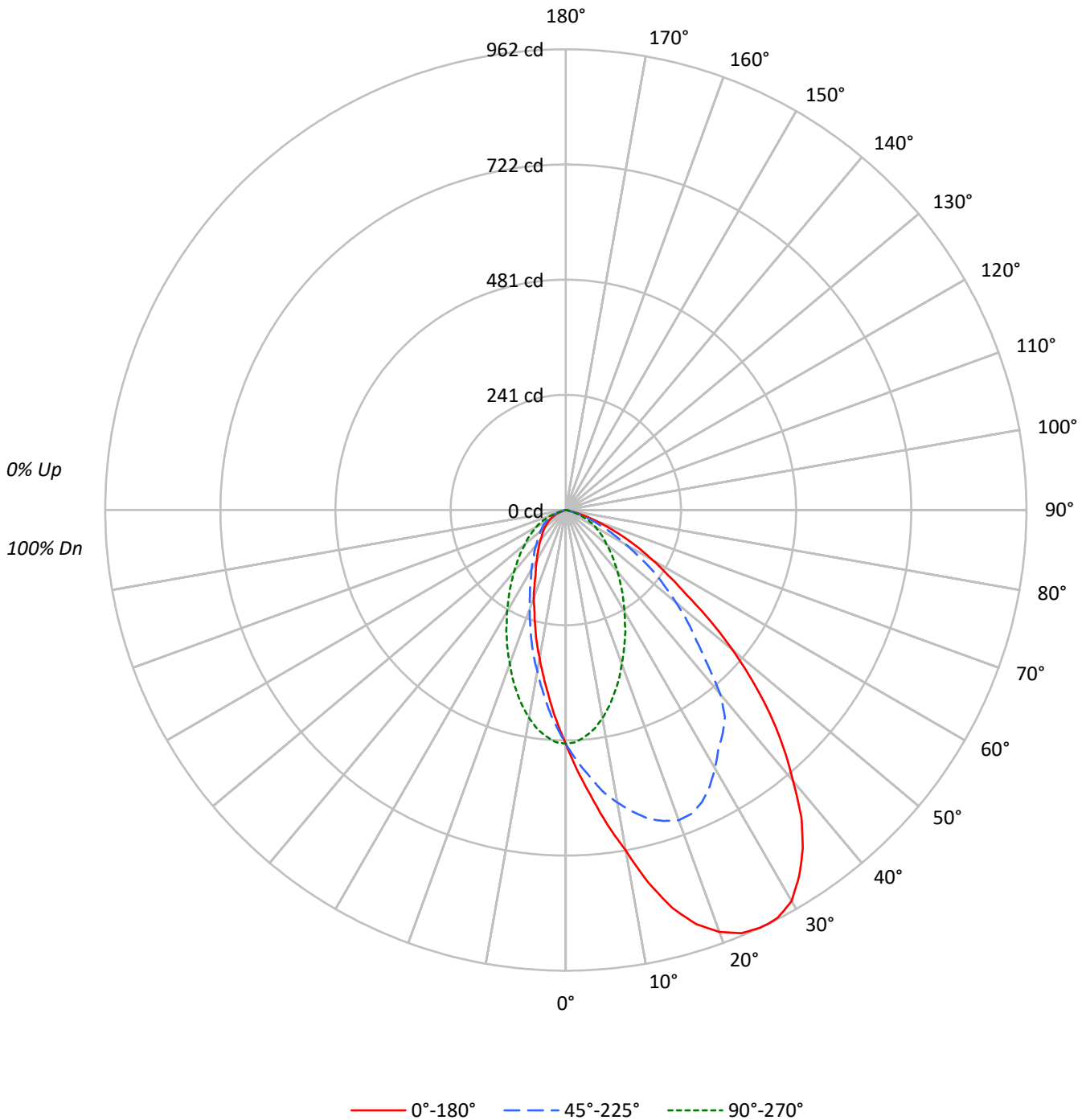
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709030D010 E3LSWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 972.0 lumens  
Efficiency: N/A  
Efficacy: 33.8 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): 28.8  
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	89	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°	107009	107009	107009	107009	107009
5°	131675	122584	104380	91635	86771
10°	160830	138118	98217	76106	69983
15°	195257	151465	89490	63201	56323
20°	218722	160827	79760	51454	45667
25°	232780	162759	70698	42680	36026
30°	238720	157746	62136	36309	30714
35°	230992	152772	54609	30999	26555
40°	211482	143612	48147	27623	23673
45°	187213	119702	42733	25646	21367
50°	155185	102513	37628	23505	19752
55°	116985	85369	34790	22135	17930
60°	91879	64074	31445	20569	15700
65°	68645	47216	27188	17174	12868
70°	44174	30069	19426	12374	7052
75°	18724	16352	9320	4660	2372
80°	3536	3536	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 187213 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	4.8
10°-20°	133.2	13.7
20°-30°	194.8	20.0
30°-40°	212.2	21.8
40°-50°	183.7	18.9
50°-60°	123.0	12.7
60°-70°	63.5	6.5
70°-80°	15.0	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°	374.3	38.5
0°-40°	586.6	60.3
0°-60°	893.3	91.9
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	488	488	488	488	488	
5°	598	557	474	416	394	61
15°	860	667	394	278	248	244
25°	962	673	292	176	149	442
35°	863	571	204	116	99	534
45°	604	386	138	83	69	462
55°	306	223	91	58	47	283
65°	132	91	52	33	25	134
75°	22	19	11	6	3	29
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
2.5°	543.1	540.3	540.3	534.8	529.3	523.8	515.5	507.3	499.0	490.7	485.2
5°	598.2	601.0	598.2	587.2	573.4	556.9	540.3	521.0	501.7	485.2	474.2
7.5°	661.6	661.6	653.4	639.6	620.3	592.7	565.2	532.1	501.7	474.2	460.4
10°	722.3	722.3	708.5	686.5	656.1	620.3	581.7	537.6	496.2	457.6	441.1
12.5°	796.7	794.0	777.4	741.6	697.5	645.1	592.7	537.6	488.0	441.1	419.0
15°	860.1	857.4	835.3	791.2	733.3	667.2	595.5	532.1	471.4	419.0	394.2
17.5°	907.0	901.5	876.7	829.8	763.6	680.9	598.2	521.0	452.1	394.2	369.4
20°	937.3	934.6	907.0	851.9	780.2	689.2	595.5	507.3	432.8	369.4	341.8
22.5°	956.6	951.1	923.5	862.9	780.2	686.5	584.5	488.0	408.0	344.6	317.0
25°	962.1	959.4	926.3	860.1	771.9	672.7	567.9	468.7	383.2	319.8	292.2
26°	962.1	959.4	926.3	857.4	766.4	664.4	559.6	460.4	374.9	308.8	284.0
27.5°	959.4	956.6	920.8	849.1	755.4	650.6	543.1	443.9	358.4	295.0	267.4
30°	942.8	937.3	901.5	829.8	730.6	623.0	515.5	419.0	333.6	270.2	245.4
32.5°	907.0	901.5	862.9	796.7	703.0	592.7	485.2	391.5	308.8	245.4	223.3
35°	862.9	857.4	818.8	755.4	664.4	570.7	452.1	361.1	281.2	226.1	204.0
37.5°	807.8	799.5	766.4	700.2	617.5	545.9	424.6	330.8	256.4	204.0	184.7
40°	738.8	736.1	705.8	645.1	562.4	501.7	408.0	330.8	234.3	184.7	168.2
42.5°	672.7	667.2	639.6	587.2	512.8	438.3	358.4	317.0	217.8	165.4	151.6
45°	603.7	598.2	573.4	529.3	460.4	386.0	386.0	272.9	187.5	151.6	137.8
47.5°	529.3	523.8	504.5	471.4	410.8	344.6	281.2	223.3	170.9	135.1	124.1
50°	454.9	457.6	441.1	408.0	361.1	300.5	242.6	187.5	146.1	121.3	110.3
52.5°	380.4	377.7	366.7	344.6	311.5	259.1	206.8	159.9	126.8	107.5	102.0
55°	306.0	308.8	303.3	289.5	261.9	223.3	173.7	137.8	113.0	96.5	91.0
57.5°	253.6	256.4	245.4	237.1	215.0	182.0	143.4	115.8	96.5	85.5	79.9
60°	209.5	212.3	204.0	193.0	176.4	146.1	115.8	96.5	85.5	77.2	71.7
62.5°	170.9	168.2	162.7	151.6	137.8	115.8	93.7	79.9	71.7	66.2	63.4
65°	132.3	132.3	126.8	118.5	107.5	91.0	74.4	66.2	60.7	55.1	52.4
67.5°	99.2	99.2	93.7	88.2	77.2	66.2	57.9	52.4	49.6	44.1	41.4
70°	68.9	68.9	66.2	63.4	55.1	46.9	44.1	38.6	35.8	33.1	30.3
72.5°	44.1	44.1	44.1	38.6	35.8	30.3	30.3	27.6	24.8	22.1	22.1
75°	22.1	24.8	22.1	22.1	19.3	19.3	16.5	16.5	13.8	13.8	11.0
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	5.5	5.5	5.5	5.5	5.5
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
2.5°	479.7	471.4	465.9	457.6	452.1	446.6	443.9	441.1	441.1	441.1
5°	465.9	452.1	438.3	424.6	416.3	408.0	399.7	397.0	394.2	394.2
7.5°	449.4	427.3	408.0	391.5	377.7	369.4	361.1	355.6	352.9	352.9
10°	427.3	399.7	377.7	355.6	341.8	330.8	325.3	317.0	317.0	314.3
12.5°	402.5	369.4	344.6	325.3	311.5	297.7	289.5	284.0	281.2	281.2
15°	374.9	341.8	314.3	292.2	278.4	264.7	256.4	250.9	248.1	248.1
17.5°	347.4	311.5	284.0	261.9	248.1	234.3	226.1	220.5	220.5	217.8
20°	319.8	284.0	256.4	234.3	220.5	209.5	201.2	195.7	193.0	195.7
22.5°	295.0	259.1	231.6	212.3	195.7	184.7	176.4	173.7	170.9	170.9
25°	267.4	234.3	209.5	190.2	176.4	165.4	157.1	154.4	151.6	148.9
26°	259.1	226.1	201.2	182.0	168.2	157.1	151.6	146.1	143.4	143.4
27.5°	248.1	212.3	190.2	170.9	157.1	148.9	140.6	137.8	135.1	135.1
30°	223.3	193.0	170.9	154.4	143.4	132.3	126.8	124.1	121.3	121.3
32.5°	204.0	173.7	154.4	140.6	129.6	121.3	115.8	110.3	110.3	110.3
35°	184.7	157.1	140.6	126.8	115.8	107.5	104.8	102.0	99.2	99.2
37.5°	168.2	143.4	126.8	115.8	107.5	99.2	93.7	91.0	91.0	91.0
40°	151.6	132.3	115.8	104.8	96.5	91.0	85.5	82.7	82.7	82.7
42.5°	137.8	118.5	107.5	96.5	88.2	82.7	79.9	77.2	74.4	74.4
45°	126.8	110.3	96.5	88.2	82.7	77.2	71.7	68.9	68.9	68.9
47.5°	113.0	102.0	88.2	79.9	74.4	68.9	66.2	63.4	63.4	63.4
50°	104.8	93.7	82.7	74.4	68.9	63.4	60.7	57.9	57.9	57.9
52.5°	93.7	85.5	77.2	68.9	63.4	57.9	55.1	52.4	52.4	52.4
55°	85.5	77.2	68.9	63.4	57.9	52.4	49.6	46.9	46.9	46.9
57.5°	77.2	68.9	63.4	57.9	52.4	49.6	44.1	44.1	41.4	41.4
60°	68.9	60.7	55.1	52.4	46.9	44.1	38.6	35.8	35.8	35.8
62.5°	57.9	55.1	49.6	44.1	38.6	35.8	33.1	30.3	30.3	30.3
65°	49.6	46.9	41.4	35.8	33.1	30.3	27.6	24.8	24.8	24.8
67.5°	41.4	35.8	33.1	30.3	27.6	24.8	22.1	19.3	16.5	19.3
70°	30.3	27.6	24.8	22.1	19.3	16.5	13.8	13.8	11.0	11.0
72.5°	19.3	16.5	16.5	13.8	11.0	11.0	8.3	8.3	5.5	5.5
75°	11.0	11.0	8.3	8.3	5.5	5.5	2.8	2.8	2.8	2.8
77.5°	5.5	2.8	2.8	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)