

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 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

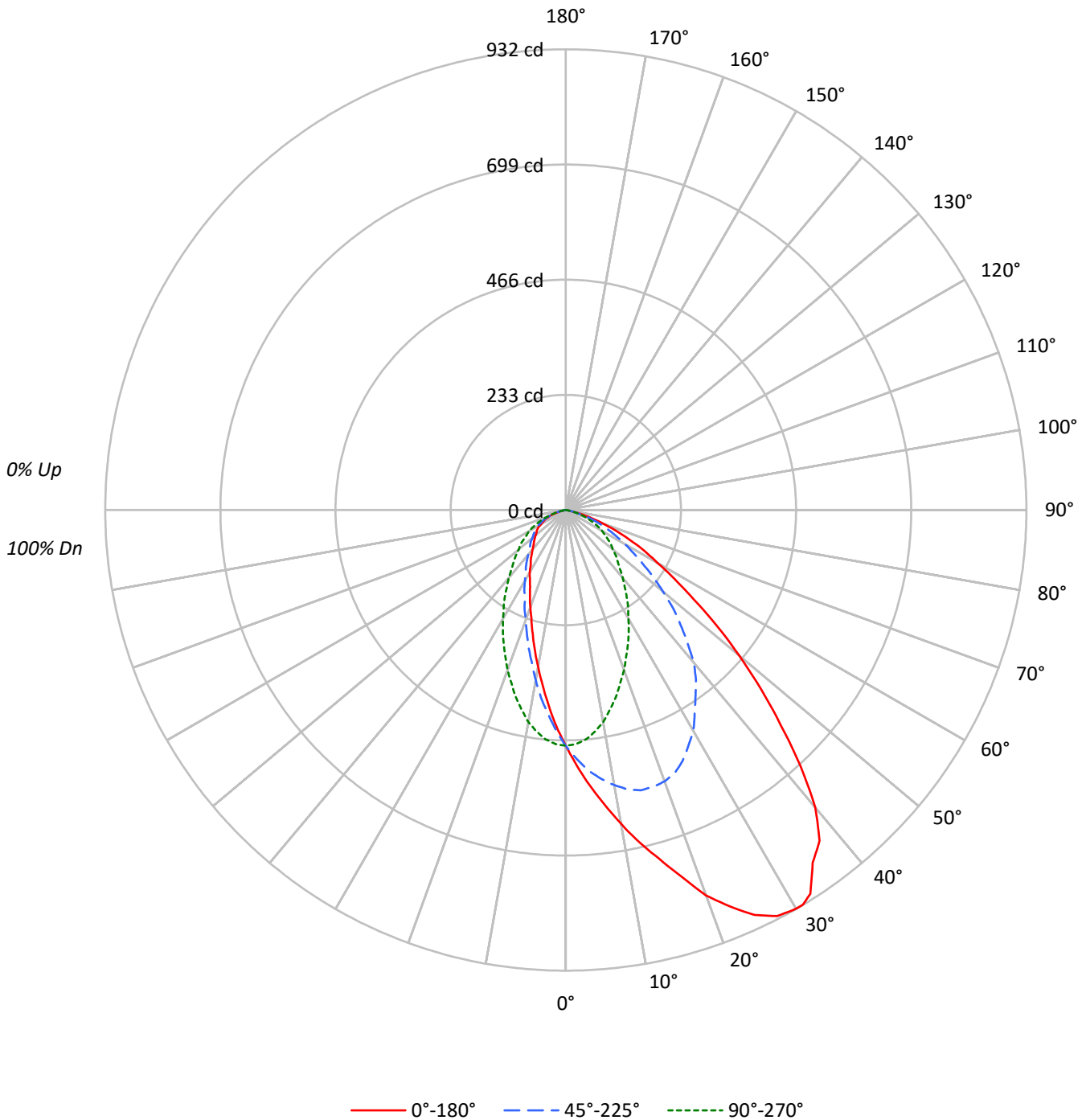
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709030D010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 970.0 lumens  
Efficiency: N/A  
Efficacy: 33.7 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

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

	0°	45°	90°	135°	180°
0°	104553	104553	104553	104553	104553
5°	123156	116487	102531	90997	87365
10°	143596	125805	96970	77932	71809
15°	165813	133258	88854	65698	58820
20°	193590	136349	80390	55305	48888
25°	218722	135371	72028	47350	41349
30°	235859	130501	64212	41880	36993
35°	233133	122469	57554	37638	33194
40°	224850	115187	51267	33921	29970
45°	190593	101716	46144	31631	28189
50°	156072	87434	42301	30089	27257
55°	121152	72714	40027	29514	27411
60°	94291	60434	37453	28989	25393
65°	74353	50070	32896	27188	24335
70°	51227	37122	26479	22953	21222
75°	25671	21011	18639	16352	13979
80°	3536	6945	10481	6945	3536
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 190593 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	4.6
10°-20°	124.2	12.8
20°-30°	183.1	18.9
30°-40°	205.2	21.2
40°-50°	180.4	18.6
50°-60°	129.1	13.3
60°-70°	76.5	7.9
70°-80°	25.7	2.6
80°-90°	1.2	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°	351.9	36.3
0°-40°	557.1	57.4
0°-60°	866.6	89.3
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	477	477	477	477	477	
5°	560	529	466	413	397	56
15°	730	587	391	289	259	211
25°	904	560	298	196	171	416
35°	871	458	215	141	124	547
45°	615	328	149	102	91	475
55°	317	190	105	77	72	290
65°	143	96	63	52	47	143
75°	30	25	22	19	16	37
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°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8
2.5°	518.1	518.1	518.1	512.6	512.6	504.4	498.8	490.6	485.1	476.8	474.0
5°	559.5	559.5	554.0	548.5	540.2	529.2	515.4	501.6	485.1	471.3	465.8
7.5°	600.8	603.6	595.3	584.3	567.7	548.5	529.2	507.1	482.3	463.0	452.0
10°	644.9	644.9	633.9	617.4	592.5	565.0	534.7	504.4	474.0	446.5	435.5
12.5°	689.0	686.3	672.5	647.7	617.4	578.8	537.4	498.8	463.0	429.9	413.4
15°	730.4	730.4	711.1	680.7	636.6	587.0	537.4	487.8	446.5	407.9	391.4
17.5°	777.2	777.2	752.4	705.5	650.4	587.0	529.2	474.0	427.2	385.8	366.6
20°	829.6	826.8	791.0	727.6	655.9	584.3	518.1	457.5	405.1	361.0	344.5
22.5°	868.2	865.4	824.1	746.9	658.7	576.0	498.8	435.5	383.1	339.0	319.7
25°	904.0	898.5	851.6	755.2	653.2	559.5	479.6	410.7	361.0	316.9	297.7
27.5°	926.0	923.3	870.9	752.4	639.4	537.4	454.7	388.6	336.2	292.1	275.6
30°	931.5	934.3	870.9	738.6	617.4	515.4	429.9	363.8	311.4	272.8	253.6
31°	931.5	934.3	865.4	730.4	609.1	504.4	418.9	355.5	300.4	261.8	245.3
32.5°	920.5	915.0	857.1	716.6	589.8	485.1	405.1	341.7	286.6	248.0	234.3
35°	870.9	873.7	829.6	686.3	562.2	457.5	377.6	314.2	261.8	228.8	215.0
37.5°	843.3	843.3	763.4	644.9	531.9	432.7	344.5	283.9	239.8	209.5	195.7
40°	785.5	777.2	702.8	600.8	496.1	402.4	325.2	264.6	220.5	190.2	179.1
42.5°	702.8	694.5	636.6	562.2	449.2	363.8	308.7	234.3	198.4	173.6	162.6
45°	614.6	609.1	565.0	496.1	405.1	328.0	267.3	215.0	181.9	157.1	148.8
47.5°	534.7	526.4	493.3	441.0	366.6	294.9	231.5	192.9	162.6	143.3	137.8
50°	457.5	454.7	427.2	385.8	325.2	256.3	203.9	170.9	148.8	132.3	124.0
52.5°	385.8	380.3	366.6	333.5	283.9	223.2	179.1	151.6	132.3	121.3	115.8
55°	316.9	316.9	303.2	281.1	242.5	190.2	157.1	135.0	118.5	110.2	104.7
57.5°	261.8	261.8	250.8	237.0	201.2	162.6	137.8	118.5	107.5	99.2	93.7
60°	215.0	215.0	206.7	192.9	168.1	137.8	118.5	104.7	96.5	88.2	85.4
62.5°	179.1	176.4	170.9	157.1	137.8	115.8	102.0	90.9	82.7	77.2	74.4
65°	143.3	140.6	135.0	124.0	110.2	96.5	85.4	77.2	71.7	66.1	63.4
67.5°	110.2	110.2	104.7	96.5	85.4	77.2	68.9	63.4	57.9	55.1	52.4
70°	79.9	79.9	77.2	71.7	63.4	57.9	52.4	49.6	46.9	44.1	41.3
72.5°	55.1	55.1	52.4	49.6	44.1	41.3	35.8	35.8	33.1	33.1	30.3
75°	30.3	30.3	30.3	27.6	27.6	24.8	24.8	24.8	22.0	22.0	22.0
77.5°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
80°	2.8	2.8	2.8	2.8	5.5	5.5	5.5	5.5	8.3	8.3	8.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
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°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8
2.5°	471.3	463.0	457.5	454.7	446.5	443.7	441.0	438.2	438.2	438.2
5°	460.3	446.5	432.7	424.4	413.4	407.9	402.4	399.6	396.9	396.9
7.5°	441.0	424.4	407.9	394.1	383.1	372.1	366.6	361.0	361.0	358.3
10°	421.7	399.6	380.3	361.0	350.0	336.2	330.7	325.2	322.5	322.5
12.5°	399.6	372.1	350.0	333.5	316.9	305.9	297.7	292.1	289.4	289.4
15°	374.8	347.3	322.5	305.9	289.4	275.6	267.3	261.8	259.1	259.1
17.5°	350.0	322.5	294.9	278.4	261.8	248.0	242.5	237.0	234.3	231.5
20°	328.0	294.9	272.8	250.8	237.0	226.0	217.7	212.2	209.5	209.5
22.5°	303.2	272.8	248.0	231.5	217.7	206.7	195.7	192.9	190.2	190.2
25°	278.4	250.8	228.8	212.2	195.7	187.4	179.1	173.6	173.6	170.9
27.5°	259.1	231.5	209.5	192.9	181.9	170.9	165.4	159.9	157.1	157.1
30°	237.0	212.2	192.9	179.1	165.4	157.1	151.6	146.1	146.1	146.1
31°	231.5	206.7	187.4	170.9	159.9	151.6	146.1	143.3	140.6	140.6
32.5°	217.7	195.7	176.4	162.6	151.6	143.3	137.8	135.0	135.0	132.3
35°	201.2	179.1	162.6	148.8	140.6	132.3	126.8	124.0	124.0	124.0
37.5°	184.7	165.4	148.8	137.8	129.5	121.3	118.5	113.0	113.0	113.0
40°	168.1	151.6	137.8	126.8	118.5	113.0	110.2	107.5	104.7	104.7
42.5°	154.3	137.8	126.8	118.5	110.2	104.7	102.0	99.2	99.2	96.5
45°	140.6	126.8	118.5	110.2	102.0	99.2	96.5	93.7	90.9	90.9
47.5°	129.5	118.5	107.5	102.0	96.5	90.9	88.2	88.2	85.4	85.4
50°	118.5	107.5	99.2	93.7	88.2	85.4	82.7	82.7	79.9	79.9
52.5°	110.2	99.2	93.7	88.2	82.7	79.9	77.2	77.2	74.4	74.4
55°	99.2	90.9	85.4	82.7	77.2	74.4	71.7	68.9	68.9	71.7
57.5°	90.9	85.4	79.9	77.2	71.7	68.9	66.1	66.1	63.4	66.1
60°	82.7	77.2	71.7	68.9	66.1	63.4	60.6	57.9	57.9	57.9
62.5°	74.4	68.9	66.1	60.6	57.9	57.9	55.1	55.1	55.1	52.4
65°	63.4	60.6	57.9	55.1	52.4	49.6	49.6	46.9	46.9	46.9
67.5°	52.4	49.6	46.9	46.9	44.1	41.3	41.3	41.3	41.3	38.6
70°	41.3	38.6	38.6	35.8	35.8	35.8	33.1	33.1	33.1	33.1
72.5°	30.3	30.3	27.6	27.6	27.6	27.6	24.8	24.8	24.8	24.8
75°	22.0	22.0	22.0	19.3	19.3	19.3	16.5	16.5	16.5	16.5
77.5°	13.8	13.8	13.8	13.8	13.8	11.0	11.0	11.0	11.0	11.0
80°	8.3	8.3	8.3	8.3	5.5	5.5	5.5	5.5	5.5	2.8
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	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)