

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: P3ART24R709050D010 E3LCWW1H

Issue Date: 5/8/2026

**Test Information**

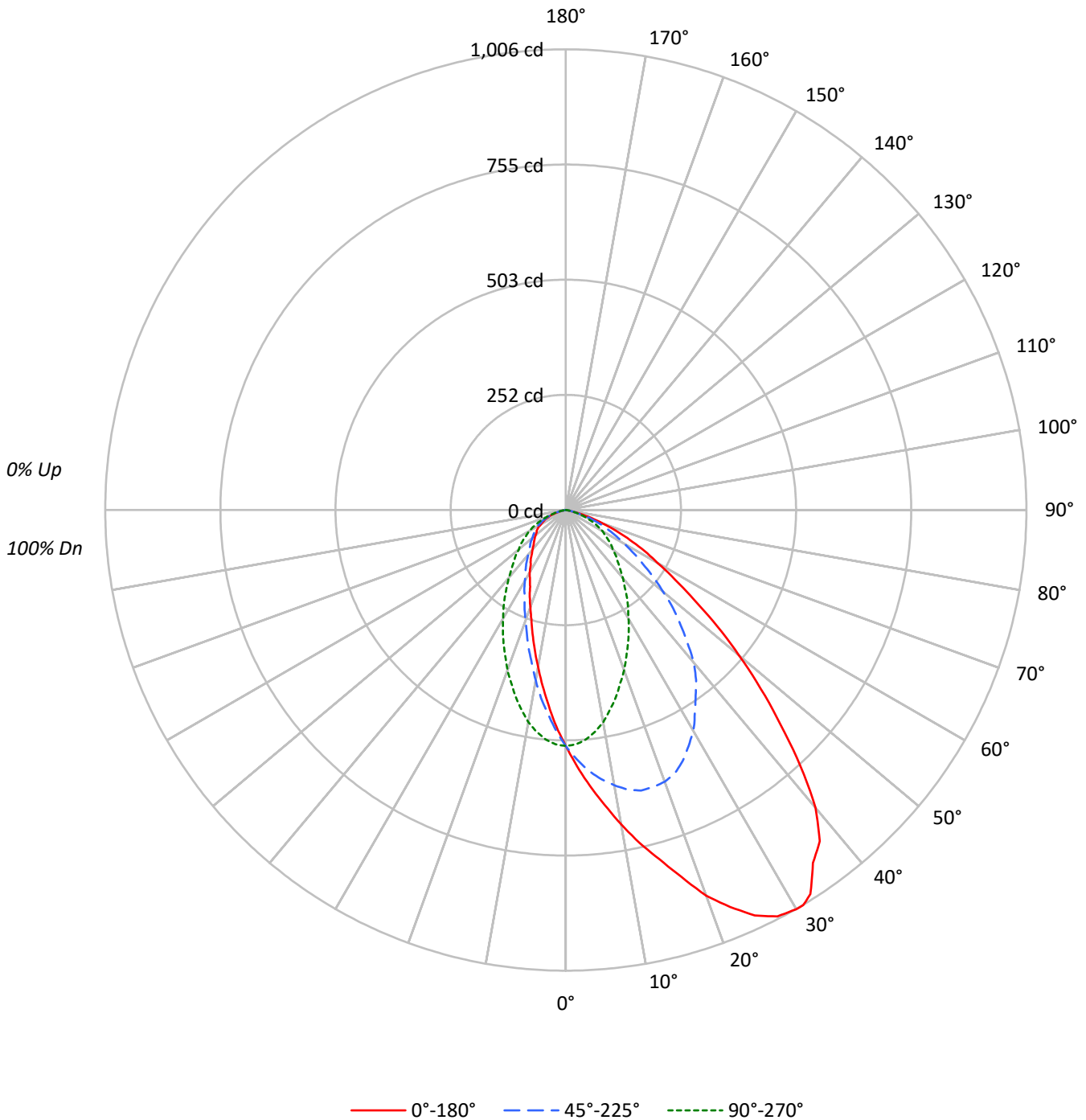
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709050D010 E3LCWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LCWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1048.0 lumens  
Efficiency: N/A  
Efficacy: 36.4 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	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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

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

	0°	45°	90°	135°	180°
0°	112951	112951	112951	112951	112951
5°	133062	125842	110764	98305	94387
10°	155152	135914	104763	84211	77576
15°	179138	143974	95982	70988	63542
20°	209155	147316	86854	59762	52808
25°	236312	146258	77811	51148	44664
30°	254849	140984	69352	45247	39956
35°	251872	132320	62185	40662	35871
40°	242912	124433	55389	36640	32404
45°	205913	109872	49866	34174	30484
50°	168626	94462	45713	32511	29475
55°	130901	78564	43277	31884	29590
60°	101878	65302	40479	31357	27410
65°	80320	54065	35542	29368	26254
70°	55394	40071	28659	24812	22888
75°	27789	22706	20164	17622	15166
80°	3788	7577	11239	7577	3788
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 205913 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	4.6
10°-20°	134.2	12.8
20°-30°	197.8	18.9
30°-40°	221.7	21.2
40°-50°	194.9	18.6
50°-60°	139.5	13.3
60°-70°	82.6	7.9
70°-80°	27.7	2.6
80°-90°	1.3	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°	380.2	36.3
0°-40°	601.9	57.4
0°-60°	936.3	89.3
0°-90°	1048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	515	515	515	515	515	
5°	604	572	503	447	429	60
15°	789	634	423	313	280	227
25°	977	604	322	211	185	449
35°	941	494	232	152	134	591
45°	664	354	161	110	98	514
55°	342	206	113	83	77	313
65°	155	104	68	57	51	155
75°	33	27	24	21	18	40
85°	0	0	0	0	0	0
90°	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°	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1
2.5°	559.8	559.8	559.8	553.8	553.8	544.9	539.0	530.0	524.1	515.1	512.2
5°	604.5	604.5	598.5	592.6	583.6	571.7	556.8	541.9	524.1	509.2	503.2
7.5°	649.1	652.1	643.2	631.3	613.4	592.6	571.7	547.9	521.1	500.2	488.3
10°	696.8	696.8	684.9	667.0	640.2	610.4	577.7	544.9	512.2	482.4	470.5
12.5°	744.4	741.4	726.6	699.8	667.0	625.3	580.6	539.0	500.2	464.5	446.6
15°	789.1	789.1	768.2	735.5	687.8	634.2	580.6	527.0	482.4	440.7	422.8
17.5°	839.7	839.7	812.9	762.3	702.7	634.2	571.7	512.2	461.5	416.9	396.0
20°	896.3	893.3	854.6	786.1	708.7	631.3	559.8	494.3	437.7	390.1	372.2
22.5°	938.0	935.0	890.3	806.9	711.7	622.3	539.0	470.5	413.9	366.3	345.4
25°	976.7	970.7	920.1	815.9	705.7	604.5	518.1	443.7	390.1	342.4	321.6
27.5°	1000.5	997.5	940.9	812.9	690.8	580.6	491.3	419.9	363.3	315.6	297.8
30°	1006.5	1009.4	940.9	798.0	667.0	556.8	464.5	393.1	336.5	294.8	273.9
31°	1006.5	1009.4	935.0	789.1	658.1	544.9	452.6	384.1	324.6	282.9	265.0
32.5°	994.5	988.6	926.1	774.2	637.2	524.1	437.7	369.2	309.7	268.0	253.1
35°	940.9	943.9	896.3	741.4	607.4	494.3	407.9	339.5	282.9	247.1	232.3
37.5°	911.2	911.2	824.8	696.8	574.7	467.5	372.2	306.7	259.1	226.3	211.4
40°	848.6	839.7	759.3	649.1	536.0	434.7	351.4	285.9	238.2	205.5	193.5
42.5°	759.3	750.4	687.8	607.4	485.4	393.1	333.5	253.1	214.4	187.6	175.7
45°	664.0	658.1	610.4	536.0	437.7	354.3	288.8	232.3	196.5	169.7	160.8
47.5°	577.7	568.7	533.0	476.4	396.0	318.6	250.1	208.4	175.7	154.8	148.9
50°	494.3	491.3	461.5	416.9	351.4	276.9	220.3	184.6	160.8	142.9	134.0
52.5°	416.9	410.9	396.0	360.3	306.7	241.2	193.5	163.8	142.9	131.0	125.1
55°	342.4	342.4	327.5	303.7	262.0	205.5	169.7	145.9	128.0	119.1	113.2
57.5°	282.9	282.9	271.0	256.1	217.4	175.7	148.9	128.0	116.1	107.2	101.2
60°	232.3	232.3	223.3	208.4	181.6	148.9	128.0	113.2	104.2	95.3	92.3
62.5°	193.5	190.6	184.6	169.7	148.9	125.1	110.2	98.3	89.3	83.4	80.4
65°	154.8	151.9	145.9	134.0	119.1	104.2	92.3	83.4	77.4	71.5	68.5
67.5°	119.1	119.1	113.2	104.2	92.3	83.4	74.4	68.5	62.5	59.6	56.6
70°	86.4	86.4	83.4	77.4	68.5	62.5	56.6	53.6	50.6	47.6	44.7
72.5°	59.6	59.6	56.6	53.6	47.6	44.7	38.7	38.7	35.7	35.7	32.8
75°	32.8	32.8	32.8	29.8	29.8	26.8	26.8	26.8	23.8	23.8	23.8
77.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
80°	3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0	8.9	8.9	8.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
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°	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1	515.1
2.5°	509.2	500.2	494.3	491.3	482.4	479.4	476.4	473.4	473.4	473.4
5°	497.3	482.4	467.5	458.6	446.6	440.7	434.7	431.8	428.8	428.8
7.5°	476.4	458.6	440.7	425.8	413.9	402.0	396.0	390.1	390.1	387.1
10°	455.6	431.8	410.9	390.1	378.2	363.3	357.3	351.4	348.4	348.4
12.5°	431.8	402.0	378.2	360.3	342.4	330.5	321.6	315.6	312.7	312.7
15°	405.0	375.2	348.4	330.5	312.7	297.8	288.8	282.9	279.9	279.9
17.5°	378.2	348.4	318.6	300.7	282.9	268.0	262.0	256.1	253.1	250.1
20°	354.3	318.6	294.8	271.0	256.1	244.2	235.2	229.3	226.3	226.3
22.5°	327.5	294.8	268.0	250.1	235.2	223.3	211.4	208.4	205.5	205.5
25°	300.7	271.0	247.1	229.3	211.4	202.5	193.5	187.6	187.6	184.6
27.5°	279.9	250.1	226.3	208.4	196.5	184.6	178.7	172.7	169.7	169.7
30°	256.1	229.3	208.4	193.5	178.7	169.7	163.8	157.8	157.8	157.8
31°	250.1	223.3	202.5	184.6	172.7	163.8	157.8	154.8	151.9	151.9
32.5°	235.2	211.4	190.6	175.7	163.8	154.8	148.9	145.9	145.9	142.9
35°	217.4	193.5	175.7	160.8	151.9	142.9	137.0	134.0	134.0	134.0
37.5°	199.5	178.7	160.8	148.9	140.0	131.0	128.0	122.1	122.1	122.1
40°	181.6	163.8	148.9	137.0	128.0	122.1	119.1	116.1	113.2	113.2
42.5°	166.7	148.9	137.0	128.0	119.1	113.2	110.2	107.2	107.2	104.2
45°	151.9	137.0	128.0	119.1	110.2	107.2	104.2	101.2	98.3	98.3
47.5°	140.0	128.0	116.1	110.2	104.2	98.3	95.3	95.3	92.3	92.3
50°	128.0	116.1	107.2	101.2	95.3	92.3	89.3	89.3	86.4	86.4
52.5°	119.1	107.2	101.2	95.3	89.3	86.4	83.4	83.4	80.4	80.4
55°	107.2	98.3	92.3	89.3	83.4	80.4	77.4	74.4	74.4	77.4
57.5°	98.3	92.3	86.4	83.4	77.4	74.4	71.5	71.5	68.5	71.5
60°	89.3	83.4	77.4	74.4	71.5	68.5	65.5	62.5	62.5	62.5
62.5°	80.4	74.4	71.5	65.5	62.5	62.5	59.6	59.6	59.6	56.6
65°	68.5	65.5	62.5	59.6	56.6	53.6	53.6	50.6	50.6	50.6
67.5°	56.6	53.6	50.6	50.6	47.6	44.7	44.7	44.7	44.7	41.7
70°	44.7	41.7	41.7	38.7	38.7	38.7	35.7	35.7	35.7	35.7
72.5°	32.8	32.8	29.8	29.8	29.8	29.8	26.8	26.8	26.8	26.8
75°	23.8	23.8	23.8	20.8	20.8	20.8	17.9	17.9	17.9	17.9
77.5°	14.9	14.9	14.9	14.9	14.9	11.9	11.9	11.9	11.9	11.9
80°	8.9	8.9	8.9	8.9	6.0	6.0	6.0	6.0	6.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	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)