

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: P3ART24R709027D010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

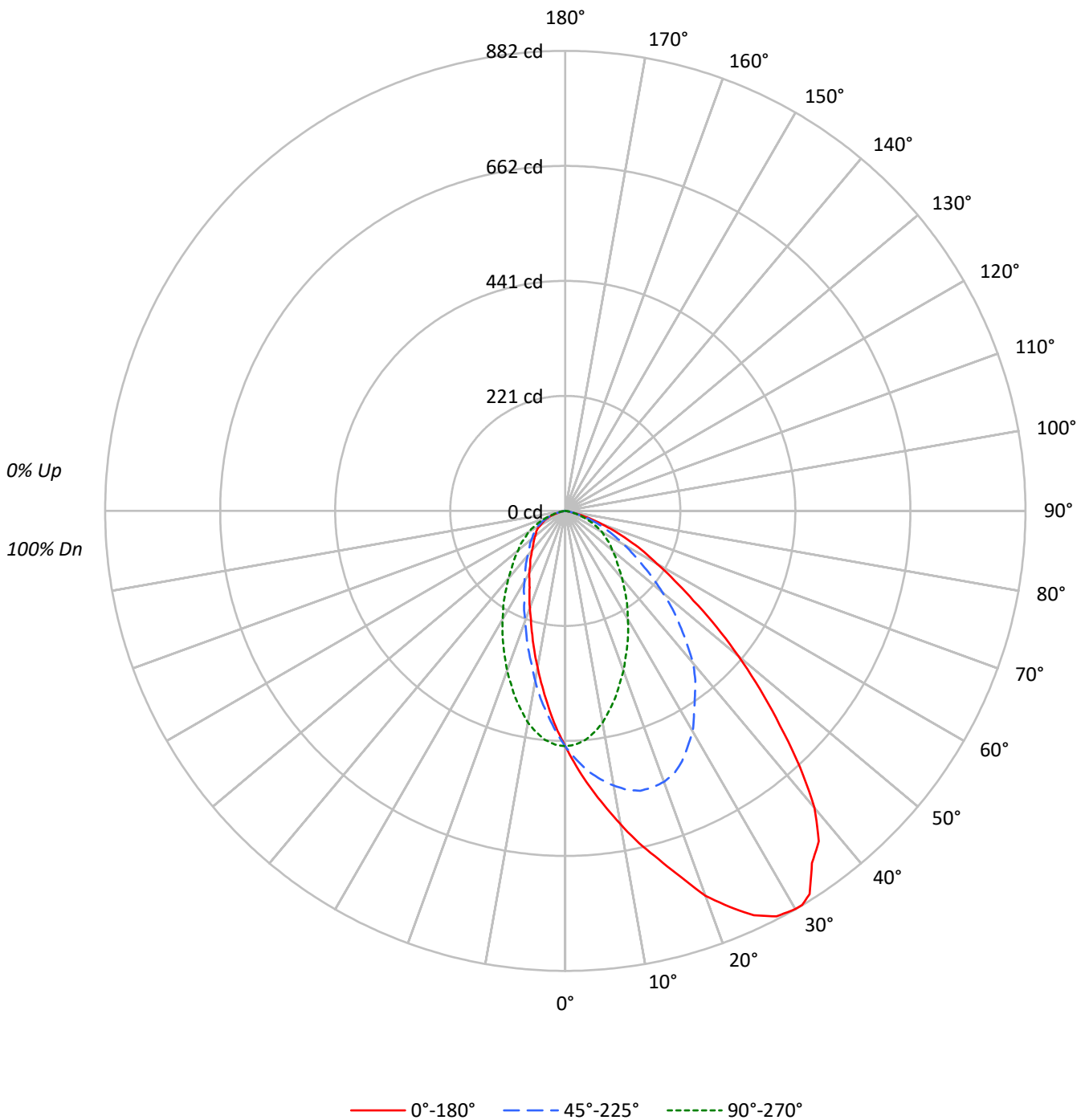
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709027D010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 918.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 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
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34		34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		31

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

	0°	45°	90°	135°	180°
0°	98939	98939	98939	98939	98939
5°	116553	110235	97028	86110	82676
10°	135891	119058	91760	73768	67957
15°	156914	126130	84087	62180	55664
20°	183206	129045	76073	52341	46251
25°	206988	128112	68157	44809	39123
30°	223224	123513	60769	39626	34993
35°	220632	115911	54449	35603	31427
40°	212799	109004	48519	32117	28367
45°	180391	96258	43663	29926	26700
50°	147714	82761	40050	28485	25790
55°	114691	68815	37886	27908	25920
60°	89203	57188	35480	27454	24033
65°	70358	47372	31132	25736	22986
70°	48470	35134	25068	21734	20067
75°	24316	19910	17707	15504	13217
80°	3283	6566	9850	6566	3283
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 180391 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	4.6
10°-20°	117.6	12.8
20°-30°	173.3	18.9
30°-40°	194.2	21.2
40°-50°	170.8	18.6
50°-60°	122.2	13.3
60°-70°	72.4	7.9
70°-80°	24.3	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°	333.0	36.3
0°-40°	527.2	57.4
0°-60°	820.2	89.3
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	451	451	451	451	451	
5°	530	501	441	391	376	53
15°	691	556	370	274	245	199
25°	856	530	282	185	162	393
35°	824	433	203	133	117	518
45°	582	310	141	96	86	450
55°	300	180	99	73	68	274
65°	136	91	60	50	44	135
75°	29	24	21	18	16	35
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°	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2
2.5°	490.4	490.4	490.4	485.1	485.1	477.3	472.1	464.3	459.1	451.2	448.6
5°	529.5	529.5	524.3	519.1	511.2	500.8	487.8	474.7	459.1	446.0	440.8
7.5°	568.6	571.2	563.4	553.0	537.3	519.1	500.8	479.9	456.5	438.2	427.8
10°	610.3	610.3	599.9	584.3	560.8	534.7	506.0	477.3	448.6	422.5	412.1
12.5°	652.1	649.5	636.4	612.9	584.3	547.7	508.6	472.1	438.2	406.9	391.2
15°	691.2	691.2	672.9	644.2	602.5	555.6	508.6	461.7	422.5	386.0	370.4
17.5°	735.5	735.5	712.1	667.7	615.6	555.6	500.8	448.6	404.3	365.2	346.9
20°	785.1	782.5	748.6	688.6	620.8	553.0	490.4	433.0	383.4	341.7	326.0
22.5°	821.6	819.0	779.9	706.8	623.4	545.1	472.1	412.1	362.6	320.8	302.6
25°	855.5	850.3	806.0	714.7	618.2	529.5	453.8	388.6	341.7	300.0	281.7
27.5°	876.4	873.8	824.2	712.1	605.1	508.6	430.4	367.8	318.2	276.5	260.8
30°	881.6	884.2	824.2	699.0	584.3	487.8	406.9	344.3	294.7	258.2	240.0
31°	881.6	884.2	819.0	691.2	576.4	477.3	396.5	336.5	284.3	247.8	232.1
32.5°	871.2	866.0	811.2	678.2	558.2	459.1	383.4	323.4	271.3	234.7	221.7
35°	824.2	826.8	785.1	649.5	532.1	433.0	357.3	297.3	247.8	216.5	203.4
37.5°	798.1	798.1	722.5	610.3	503.4	409.5	326.0	268.7	226.9	198.2	185.2
40°	743.4	735.5	665.1	568.6	469.5	380.8	307.8	250.4	208.7	180.0	169.5
42.5°	665.1	657.3	602.5	532.1	425.2	344.3	292.1	221.7	187.8	164.3	153.9
45°	581.7	576.4	534.7	469.5	383.4	310.4	253.0	203.4	172.1	148.7	140.8
47.5°	506.0	498.2	466.9	417.3	346.9	279.1	219.1	182.6	153.9	135.6	130.4
50°	433.0	430.4	404.3	365.2	307.8	242.6	193.0	161.7	140.8	125.2	117.4
52.5°	365.2	359.9	346.9	315.6	268.7	211.3	169.5	143.5	125.2	114.8	109.5
55°	300.0	300.0	286.9	266.0	229.5	180.0	148.7	127.8	112.2	104.3	99.1
57.5°	247.8	247.8	237.4	224.3	190.4	153.9	130.4	112.2	101.7	93.9	88.7
60°	203.4	203.4	195.6	182.6	159.1	130.4	112.2	99.1	91.3	83.5	80.9
62.5°	169.5	166.9	161.7	148.7	130.4	109.5	96.5	86.1	78.2	73.0	70.4
65°	135.6	133.0	127.8	117.4	104.3	91.3	80.9	73.0	67.8	62.6	60.0
67.5°	104.3	104.3	99.1	91.3	80.9	73.0	65.2	60.0	54.8	52.2	49.6
70°	75.6	75.6	73.0	67.8	60.0	54.8	49.6	46.9	44.3	41.7	39.1
72.5°	52.2	52.2	49.6	46.9	41.7	39.1	33.9	33.9	31.3	31.3	28.7
75°	28.7	28.7	28.7	26.1	26.1	23.5	23.5	23.5	20.9	20.9	20.9
77.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
80°	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	7.8	7.8	7.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
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°	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2	451.2
2.5°	446.0	438.2	433.0	430.4	422.5	419.9	417.3	414.7	414.7	414.7
5°	435.6	422.5	409.5	401.7	391.2	386.0	380.8	378.2	375.6	375.6
7.5°	417.3	401.7	386.0	373.0	362.6	352.1	346.9	341.7	341.7	339.1
10°	399.1	378.2	359.9	341.7	331.3	318.2	313.0	307.8	305.2	305.2
12.5°	378.2	352.1	331.3	315.6	300.0	289.5	281.7	276.5	273.9	273.9
15°	354.7	328.6	305.2	289.5	273.9	260.8	253.0	247.8	245.2	245.2
17.5°	331.3	305.2	279.1	263.4	247.8	234.7	229.5	224.3	221.7	219.1
20°	310.4	279.1	258.2	237.4	224.3	213.9	206.1	200.8	198.2	198.2
22.5°	286.9	258.2	234.7	219.1	206.1	195.6	185.2	182.6	180.0	180.0
25°	263.4	237.4	216.5	200.8	185.2	177.4	169.5	164.3	164.3	161.7
27.5°	245.2	219.1	198.2	182.6	172.1	161.7	156.5	151.3	148.7	148.7
30°	224.3	200.8	182.6	169.5	156.5	148.7	143.5	138.2	138.2	138.2
31°	219.1	195.6	177.4	161.7	151.3	143.5	138.2	135.6	133.0	133.0
32.5°	206.1	185.2	166.9	153.9	143.5	135.6	130.4	127.8	127.8	125.2
35°	190.4	169.5	153.9	140.8	133.0	125.2	120.0	117.4	117.4	117.4
37.5°	174.8	156.5	140.8	130.4	122.6	114.8	112.2	106.9	106.9	106.9
40°	159.1	143.5	130.4	120.0	112.2	106.9	104.3	101.7	99.1	99.1
42.5°	146.1	130.4	120.0	112.2	104.3	99.1	96.5	93.9	93.9	91.3
45°	133.0	120.0	112.2	104.3	96.5	93.9	91.3	88.7	86.1	86.1
47.5°	122.6	112.2	101.7	96.5	91.3	86.1	83.5	83.5	80.9	80.9
50°	112.2	101.7	93.9	88.7	83.5	80.9	78.2	78.2	75.6	75.6
52.5°	104.3	93.9	88.7	83.5	78.2	75.6	73.0	73.0	70.4	70.4
55°	93.9	86.1	80.9	78.2	73.0	70.4	67.8	65.2	65.2	67.8
57.5°	86.1	80.9	75.6	73.0	67.8	65.2	62.6	62.6	60.0	62.6
60°	78.2	73.0	67.8	65.2	62.6	60.0	57.4	54.8	54.8	54.8
62.5°	70.4	65.2	62.6	57.4	54.8	54.8	52.2	52.2	52.2	49.6
65°	60.0	57.4	54.8	52.2	49.6	46.9	46.9	44.3	44.3	44.3
67.5°	49.6	46.9	44.3	44.3	41.7	39.1	39.1	39.1	39.1	36.5
70°	39.1	36.5	36.5	33.9	33.9	33.9	31.3	31.3	31.3	31.3
72.5°	28.7	28.7	26.1	26.1	26.1	26.1	23.5	23.5	23.5	23.5
75°	20.9	20.9	20.9	18.3	18.3	18.3	15.6	15.6	15.6	15.6
77.5°	13.0	13.0	13.0	13.0	13.0	10.4	10.4	10.4	10.4	10.4
80°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	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)