

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: P3ART20R709827D010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

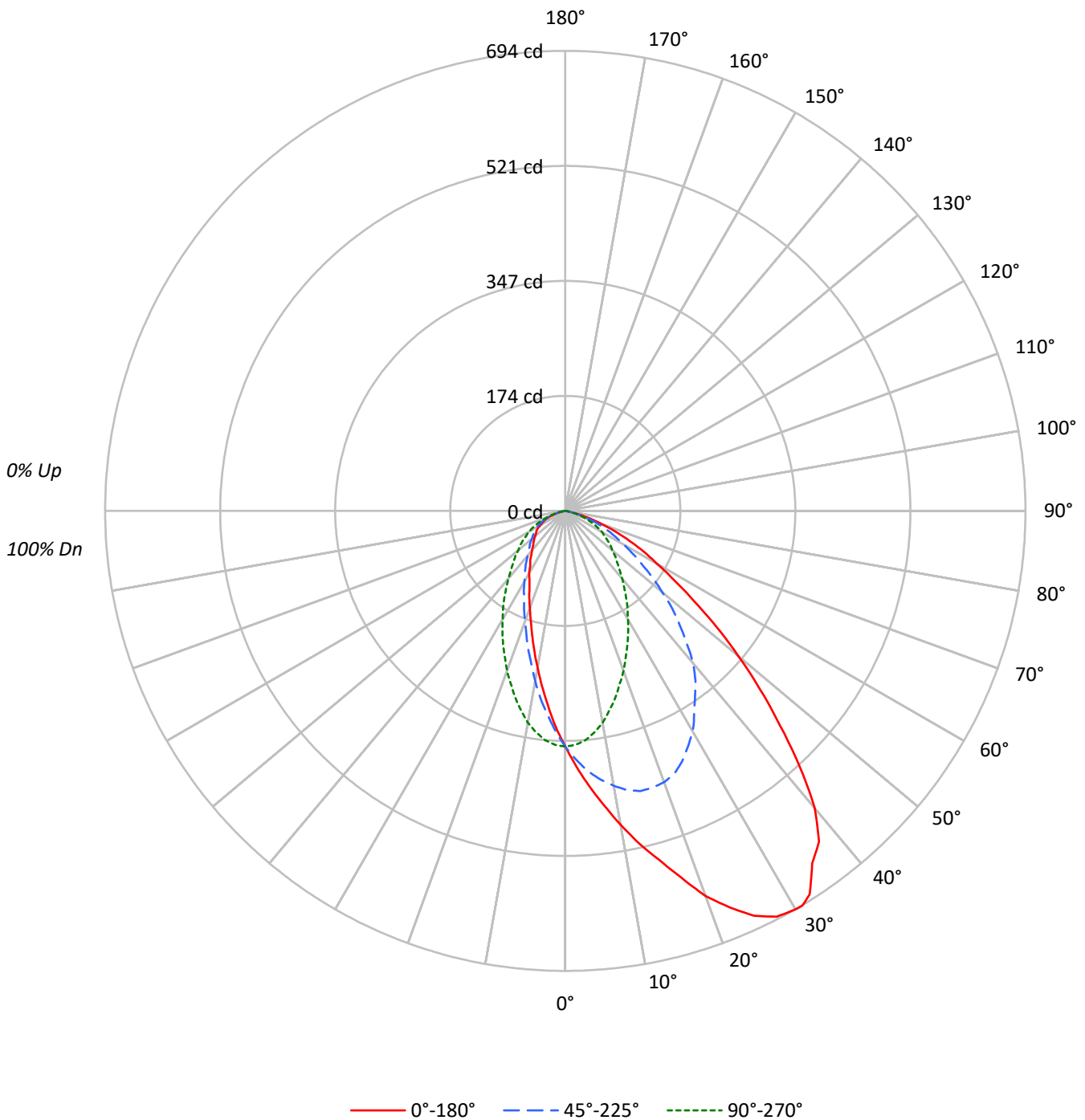
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART20R709827D010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 723.0 lumens  
Efficiency: N/A  
Efficacy: 26.4 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): 27.4  
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	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°	77932	77932	77932	77932	77932
5°	91789	86815	76425	67818	65111
10°	107034	93764	72277	58093	53506
15°	123588	99342	66221	48967	43837
20°	144283	101626	59925	41234	36427
25°	163026	100893	53689	35300	30824
30°	175799	97255	47855	31220	27574
35°	173759	91283	42884	28054	24735
40°	167600	85847	38214	25276	22356
45°	142061	75822	34391	23568	21025
50°	116329	65158	31521	22413	20332
55°	90300	54173	29858	21982	20415
60°	70258	45040	27936	21621	18902
65°	55414	37306	24490	20236	18108
70°	38212	27633	19747	17118	15836
75°	19148	15674	13895	12200	10421
80°	2652	5177	7829	5177	2652
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 142061 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.2	4.6
10°-20°	92.6	12.8
20°-30°	136.5	18.9
30°-40°	153.0	21.2
40°-50°	134.5	18.6
50°-60°	96.2	13.3
60°-70°	57.0	7.9
70°-80°	19.1	2.6
80°-90°	0.9	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°	262.3	36.3
0°-40°	415.2	57.4
0°-60°	646.0	89.3
0°-90°	723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	355	355	355	355	355	
5°	417	394	347	308	296	42
15°	544	438	292	216	193	157
25°	674	417	222	146	127	310
35°	649	341	160	105	92	408
45°	458	244	111	76	68	354
55°	236	142	78	58	53	216
65°	107	72	47	39	35	107
75°	23	18	16	14	12	27
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	386.2	386.2	386.2	382.1	382.1	375.9	371.8	365.7	361.5	355.4	353.3
5°	417.0	417.0	412.9	408.8	402.6	394.4	384.1	373.9	361.5	351.3	347.2
7.5°	447.8	449.9	443.7	435.5	423.2	408.8	394.4	378.0	359.5	345.1	336.9
10°	480.7	480.7	472.5	460.2	441.7	421.1	398.5	375.9	353.3	332.8	324.6
12.5°	513.6	511.5	501.2	482.7	460.2	431.4	400.6	371.8	345.1	320.5	308.1
15°	544.4	544.4	530.0	507.4	474.5	437.6	400.6	363.6	332.8	304.0	291.7
17.5°	579.3	579.3	560.8	525.9	484.8	437.6	394.4	353.3	318.4	287.6	273.2
20°	618.3	616.3	589.6	542.3	488.9	435.5	386.2	341.0	302.0	269.1	256.8
22.5°	647.1	645.0	614.2	556.7	491.0	429.3	371.8	324.6	285.5	252.7	238.3
25°	673.8	669.7	634.8	562.9	486.9	417.0	357.4	306.1	269.1	236.2	221.9
27.5°	690.2	688.2	649.1	560.8	476.6	400.6	339.0	289.6	250.6	217.8	205.4
30°	694.3	696.4	649.1	550.5	460.2	384.1	320.5	271.2	232.1	203.4	189.0
31°	694.3	696.4	645.0	544.4	454.0	375.9	312.2	265.0	223.9	195.2	182.8
32.5°	686.1	682.0	638.9	534.1	439.6	361.5	302.0	254.7	213.6	184.9	174.6
35°	649.1	651.2	618.3	511.5	419.1	341.0	281.4	234.2	195.2	170.5	160.2
37.5°	628.6	628.6	569.0	480.7	396.5	322.5	256.8	211.6	178.7	156.1	145.9
40°	585.5	579.3	523.8	447.8	369.8	299.9	242.4	197.2	164.3	141.7	133.5
42.5°	523.8	517.7	474.5	419.1	334.8	271.2	230.1	174.6	147.9	129.4	121.2
45°	458.1	454.0	421.1	369.8	302.0	244.5	199.3	160.2	135.6	117.1	110.9
47.5°	398.5	392.4	367.7	328.7	273.2	219.8	172.6	143.8	121.2	106.8	102.7
50°	341.0	339.0	318.4	287.6	242.4	191.0	152.0	127.4	110.9	98.6	92.4
52.5°	287.6	283.5	273.2	248.6	211.6	166.4	133.5	113.0	98.6	90.4	86.3
55°	236.2	236.2	226.0	209.5	180.8	141.7	117.1	100.7	88.3	82.2	78.1
57.5°	195.2	195.2	186.9	176.7	150.0	121.2	102.7	88.3	80.1	74.0	69.8
60°	160.2	160.2	154.1	143.8	125.3	102.7	88.3	78.1	71.9	65.7	63.7
62.5°	133.5	131.5	127.4	117.1	102.7	86.3	76.0	67.8	61.6	57.5	55.5
65°	106.8	104.8	100.7	92.4	82.2	71.9	63.7	57.5	53.4	49.3	47.2
67.5°	82.2	82.2	78.1	71.9	63.7	57.5	51.4	47.2	43.1	41.1	39.0
70°	59.6	59.6	57.5	53.4	47.2	43.1	39.0	37.0	34.9	32.9	30.8
72.5°	41.1	41.1	39.0	37.0	32.9	30.8	26.7	26.7	24.7	24.7	22.6
75°	22.6	22.6	22.6	20.5	20.5	18.5	18.5	18.5	16.4	16.4	16.4
77.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
80°	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	351.3	345.1	341.0	339.0	332.8	330.7	328.7	326.6	326.6	326.6
5°	343.1	332.8	322.5	316.4	308.1	304.0	299.9	297.9	295.8	295.8
7.5°	328.7	316.4	304.0	293.8	285.5	277.3	273.2	269.1	269.1	267.1
10°	314.3	297.9	283.5	269.1	260.9	250.6	246.5	242.4	240.3	240.3
12.5°	297.9	277.3	260.9	248.6	236.2	228.0	221.9	217.8	215.7	215.7
15°	279.4	258.8	240.3	228.0	215.7	205.4	199.3	195.2	193.1	193.1
17.5°	260.9	240.3	219.8	207.5	195.2	184.9	180.8	176.7	174.6	172.6
20°	244.5	219.8	203.4	186.9	176.7	168.4	162.3	158.2	156.1	156.1
22.5°	226.0	203.4	184.9	172.6	162.3	154.1	145.9	143.8	141.7	141.7
25°	207.5	186.9	170.5	158.2	145.9	139.7	133.5	129.4	129.4	127.4
27.5°	193.1	172.6	156.1	143.8	135.6	127.4	123.3	119.1	117.1	117.1
30°	176.7	158.2	143.8	133.5	123.3	117.1	113.0	108.9	108.9	108.9
31°	172.6	154.1	139.7	127.4	119.1	113.0	108.9	106.8	104.8	104.8
32.5°	162.3	145.9	131.5	121.2	113.0	106.8	102.7	100.7	100.7	98.6
35°	150.0	133.5	121.2	110.9	104.8	98.6	94.5	92.4	92.4	92.4
37.5°	137.6	123.3	110.9	102.7	96.5	90.4	88.3	84.2	84.2	84.2
40°	125.3	113.0	102.7	94.5	88.3	84.2	82.2	80.1	78.1	78.1
42.5°	115.0	102.7	94.5	88.3	82.2	78.1	76.0	74.0	74.0	71.9
45°	104.8	94.5	88.3	82.2	76.0	74.0	71.9	69.8	67.8	67.8
47.5°	96.5	88.3	80.1	76.0	71.9	67.8	65.7	65.7	63.7	63.7
50°	88.3	80.1	74.0	69.8	65.7	63.7	61.6	61.6	59.6	59.6
52.5°	82.2	74.0	69.8	65.7	61.6	59.6	57.5	57.5	55.5	55.5
55°	74.0	67.8	63.7	61.6	57.5	55.5	53.4	51.4	51.4	53.4
57.5°	67.8	63.7	59.6	57.5	53.4	51.4	49.3	49.3	47.2	49.3
60°	61.6	57.5	53.4	51.4	49.3	47.2	45.2	43.1	43.1	43.1
62.5°	55.5	51.4	49.3	45.2	43.1	43.1	41.1	41.1	41.1	39.0
65°	47.2	45.2	43.1	41.1	39.0	37.0	37.0	34.9	34.9	34.9
67.5°	39.0	37.0	34.9	34.9	32.9	30.8	30.8	30.8	30.8	28.8
70°	30.8	28.8	28.8	26.7	26.7	26.7	24.7	24.7	24.7	24.7
72.5°	22.6	22.6	20.5	20.5	20.5	20.5	18.5	18.5	18.5	18.5
75°	16.4	16.4	16.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3
77.5°	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2
80°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	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)