

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 E3CLSWW1MB

Issue Date: 5/8/2026

**Test Information**

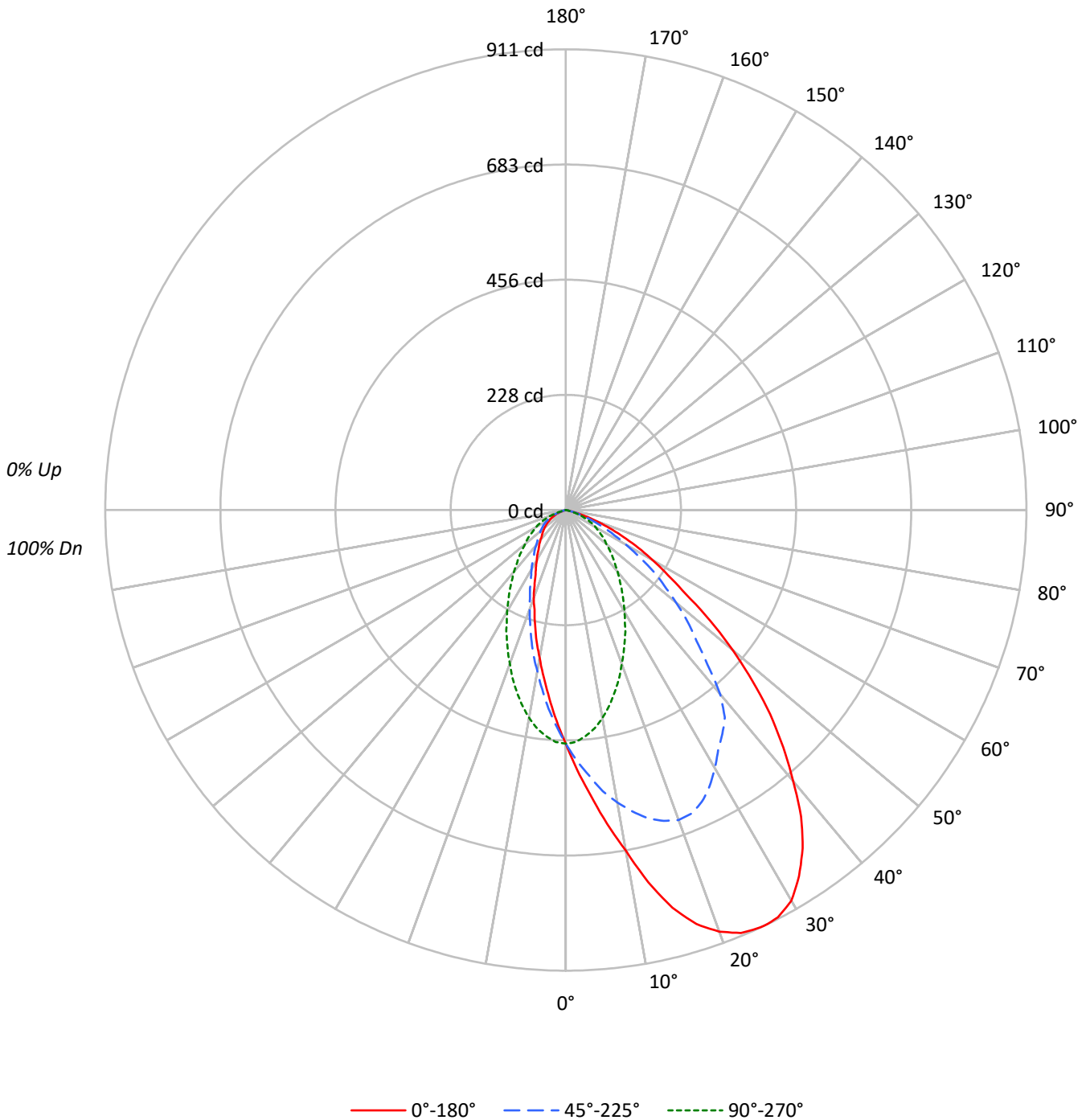
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART24R709027D010 E3CLSWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLSWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 920.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 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 (A<sub>in</sub>): 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	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	32

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

	0°	45°	90°	135°	180°
0°	101286	101286	101286	101286	101286
5°	124631	116024	98789	86727	82126
10°	152235	130726	92962	72054	66242
15°	184814	143361	84700	59819	53303
20°	207031	152217	75513	48701	43240
25°	220343	154049	66923	40406	34091
30°	225959	149314	58794	34360	29068
35°	218624	144581	51691	29339	25136
40°	200175	135940	45571	26135	22413
45°	177228	113283	40469	24282	20219
50°	146861	97020	35615	22242	18694
55°	110715	80819	32916	20950	16974
60°	86967	60653	29734	19472	14867
65°	64962	44674	25736	16240	12193
70°	41802	28466	18401	11733	6668
75°	17707	15504	8811	4406	2203
80°	3283	3283	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 177228 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.8	4.8
10°-20°	126.1	13.7
20°-30°	184.4	20.0
30°-40°	200.9	21.8
40°-50°	173.9	18.9
50°-60°	116.5	12.7
60°-70°	60.1	6.5
70°-80°	14.2	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°	354.3	38.5
0°-40°	555.2	60.3
0°-60°	845.5	91.9
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	462	462	462	462	462	
5°	566	527	449	394	373	58
15°	814	632	373	264	235	231
25°	911	637	277	167	141	418
35°	817	540	193	110	94	506
45°	572	365	130	78	65	437
55°	290	211	86	55	44	268
65°	125	86	50	31	24	126
75°	21	18	10	5	3	27
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°	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9
2.5°	514.0	511.4	511.4	506.2	501.0	495.8	488.0	480.1	472.3	464.5	459.2
5°	566.2	568.8	566.2	555.8	542.7	527.1	511.4	493.2	474.9	459.2	448.8
7.5°	626.2	626.2	618.4	605.4	587.1	561.0	534.9	503.6	474.9	448.8	435.8
10°	683.7	683.7	670.6	649.7	621.0	587.1	550.6	508.8	469.7	433.2	417.5
12.5°	754.1	751.5	735.8	701.9	660.2	610.6	561.0	508.8	461.9	417.5	396.6
15°	814.1	811.5	790.6	748.9	694.1	631.5	563.6	503.6	446.2	396.6	373.1
17.5°	858.5	853.3	829.8	785.4	722.8	644.5	566.2	493.2	427.9	373.1	349.7
20°	887.2	884.6	858.5	806.3	738.4	652.3	563.6	480.1	409.7	349.7	323.6
22.5°	905.4	900.2	874.1	816.7	738.4	649.7	553.2	461.9	386.2	326.2	300.1
25°	910.7	908.1	876.7	814.1	730.6	636.7	537.5	443.6	362.7	302.7	276.6
26°	910.7	908.1	876.7	811.5	725.4	628.9	529.7	435.8	354.9	292.2	268.8
27.5°	908.1	905.4	871.5	803.7	715.0	615.8	514.0	420.1	339.2	279.2	253.1
30°	892.4	887.2	853.3	785.4	691.5	589.7	488.0	396.6	315.7	255.7	232.2
32.5°	858.5	853.3	816.7	754.1	665.4	561.0	459.2	370.5	292.2	232.2	211.4
35°	816.7	811.5	775.0	715.0	628.9	540.1	427.9	341.8	266.2	214.0	193.1
37.5°	764.5	756.7	725.4	662.8	584.5	516.7	401.8	313.1	242.7	193.1	174.8
40°	699.3	696.7	668.0	610.6	532.3	474.9	386.2	313.1	221.8	174.8	159.2
42.5°	636.7	631.5	605.4	555.8	485.3	414.9	339.2	300.1	206.1	156.6	143.5
45°	571.5	566.2	542.7	501.0	435.8	365.3	365.3	258.3	177.4	143.5	130.5
47.5°	501.0	495.8	477.5	446.2	388.8	326.2	266.2	211.4	161.8	127.9	117.4
50°	430.5	433.2	417.5	386.2	341.8	284.4	229.6	177.4	138.3	114.8	104.4
52.5°	360.1	357.5	347.0	326.2	294.9	245.3	195.7	151.3	120.0	101.8	96.5
55°	289.6	292.2	287.0	274.0	247.9	211.4	164.4	130.5	107.0	91.3	86.1
57.5°	240.1	242.7	232.2	224.4	203.5	172.2	135.7	109.6	91.3	80.9	75.7
60°	198.3	200.9	193.1	182.7	167.0	138.3	109.6	91.3	80.9	73.1	67.8
62.5°	161.8	159.2	154.0	143.5	130.5	109.6	88.7	75.7	67.8	62.6	60.0
65°	125.2	125.2	120.0	112.2	101.8	86.1	70.5	62.6	57.4	52.2	49.6
67.5°	93.9	93.9	88.7	83.5	73.1	62.6	54.8	49.6	47.0	41.7	39.1
70°	65.2	65.2	62.6	60.0	52.2	44.4	41.7	36.5	33.9	31.3	28.7
72.5°	41.7	41.7	41.7	36.5	33.9	28.7	28.7	26.1	23.5	20.9	20.9
75°	20.9	23.5	20.9	20.9	18.3	18.3	15.7	15.7	13.0	13.0	10.4
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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°	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9
2.5°	454.0	446.2	441.0	433.2	427.9	422.7	420.1	417.5	417.5	417.5
5°	441.0	427.9	414.9	401.8	394.0	386.2	378.4	375.7	373.1	373.1
7.5°	425.3	404.5	386.2	370.5	357.5	349.7	341.8	336.6	334.0	334.0
10°	404.5	378.4	357.5	336.6	323.6	313.1	307.9	300.1	300.1	297.5
12.5°	381.0	349.7	326.2	307.9	294.9	281.8	274.0	268.8	266.2	266.2
15°	354.9	323.6	297.5	276.6	263.5	250.5	242.7	237.5	234.8	234.8
17.5°	328.8	294.9	268.8	247.9	234.8	221.8	214.0	208.7	208.7	206.1
20°	302.7	268.8	242.7	221.8	208.7	198.3	190.5	185.3	182.7	185.3
22.5°	279.2	245.3	219.2	200.9	185.3	174.8	167.0	164.4	161.8	161.8
25°	253.1	221.8	198.3	180.0	167.0	156.6	148.7	146.1	143.5	140.9
26°	245.3	214.0	190.5	172.2	159.2	148.7	143.5	138.3	135.7	135.7
27.5°	234.8	200.9	180.0	161.8	148.7	140.9	133.1	130.5	127.9	127.9
30°	211.4	182.7	161.8	146.1	135.7	125.2	120.0	117.4	114.8	114.8
32.5°	193.1	164.4	146.1	133.1	122.6	114.8	109.6	104.4	104.4	104.4
35°	174.8	148.7	133.1	120.0	109.6	101.8	99.2	96.5	93.9	93.9
37.5°	159.2	135.7	120.0	109.6	101.8	93.9	88.7	86.1	86.1	86.1
40°	143.5	125.2	109.6	99.2	91.3	86.1	80.9	78.3	78.3	78.3
42.5°	130.5	112.2	101.8	91.3	83.5	78.3	75.7	73.1	70.5	70.5
45°	120.0	104.4	91.3	83.5	78.3	73.1	67.8	65.2	65.2	65.2
47.5°	107.0	96.5	83.5	75.7	70.5	65.2	62.6	60.0	60.0	60.0
50°	99.2	88.7	78.3	70.5	65.2	60.0	57.4	54.8	54.8	54.8
52.5°	88.7	80.9	73.1	65.2	60.0	54.8	52.2	49.6	49.6	49.6
55°	80.9	73.1	65.2	60.0	54.8	49.6	47.0	44.4	44.4	44.4
57.5°	73.1	65.2	60.0	54.8	49.6	47.0	41.7	41.7	39.1	39.1
60°	65.2	57.4	52.2	49.6	44.4	41.7	36.5	33.9	33.9	33.9
62.5°	54.8	52.2	47.0	41.7	36.5	33.9	31.3	28.7	28.7	28.7
65°	47.0	44.4	39.1	33.9	31.3	28.7	26.1	23.5	23.5	23.5
67.5°	39.1	33.9	31.3	28.7	26.1	23.5	20.9	18.3	15.7	18.3
70°	28.7	26.1	23.5	20.9	18.3	15.7	13.0	13.0	10.4	10.4
72.5°	18.3	15.7	15.7	13.0	10.4	10.4	7.8	7.8	5.2	5.2
75°	10.4	10.4	7.8	7.8	5.2	5.2	2.6	2.6	2.6	2.6
77.5°	5.2	2.6	2.6	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)