

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: P1445794

Luminaire Tested: P3ART13R709030DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

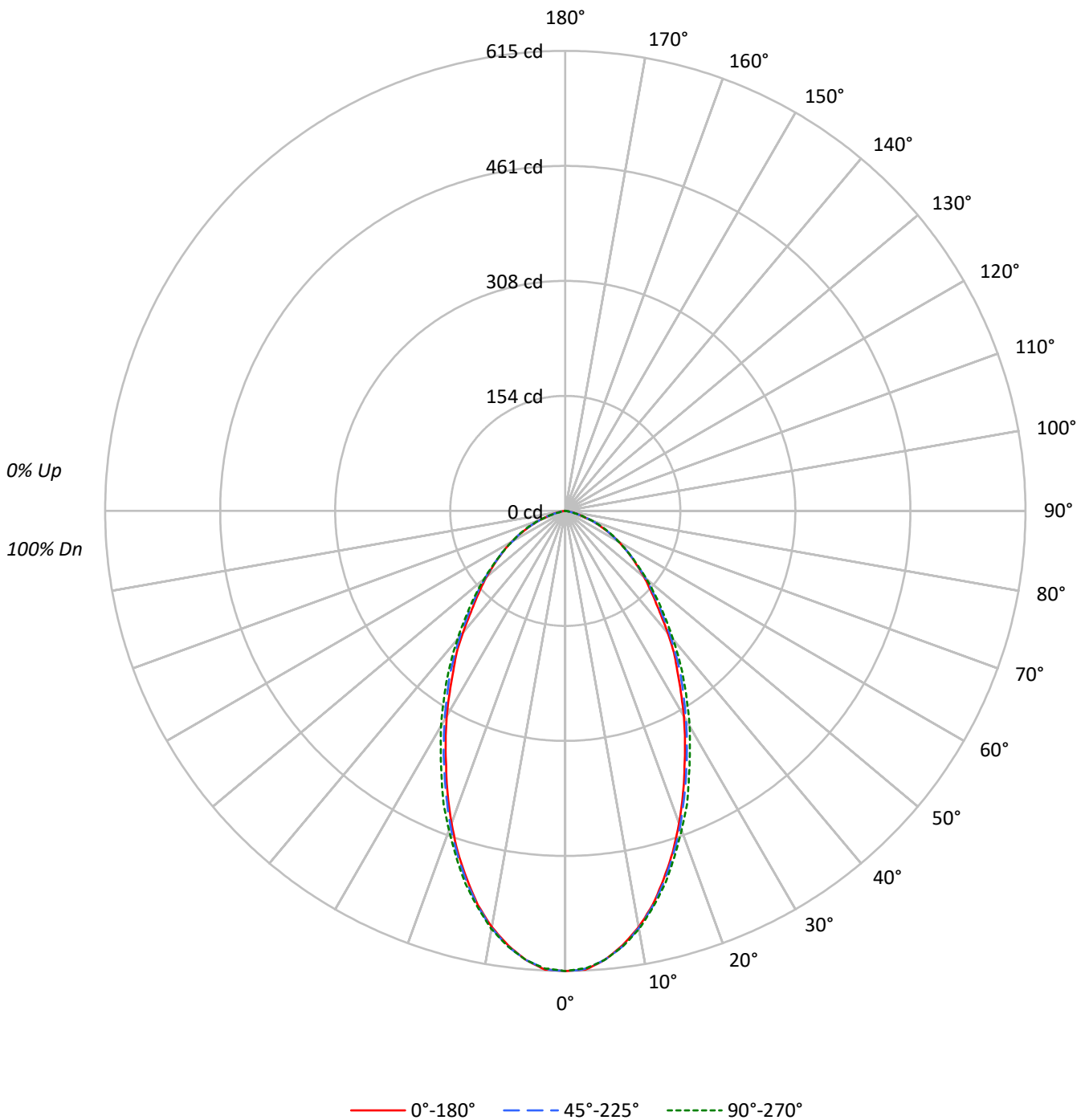
Test Method: LM-79-2019  
Report Number: P1445794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709030DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 857.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	134923	134923	134923
5°	132665	132665	132665
10°	125760	126072	126384
15°	115506	116141	117095
20°	103679	104659	105966
25°	91215	92570	94602
30°	80215	81633	84114
35°	69787	72036	73910
40°	60971	62574	64206
45°	52595	54331	55634
50°	46873	47828	48305
55°	41251	41786	41786
60°	36269	35655	36269
65°	29835	30561	31287
70°	23337	23337	24235
75°	15420	14234	14234
80°	8840	7072	5304
85°	3522	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 55634 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	6.6
10°-20°	142.9	16.7
20°-30°	176.2	20.6
30°-40°	167.9	19.6
40°-50°	135.9	15.9
50°-60°	97.8	11.4
60°-70°	58.6	6.8
70°-80°	19.6	2.3
80°-90°	1.7	0.2
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°	375.5	43.8
0°-40°	543.4	63.4
0°-60°	777.1	90.7
0°-90°	857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	603	603	603	603	603	56
15°	509	510	512	513	516	142
25°	377	379	383	389	391	174
35°	261	263	269	274	276	164
45°	170	172	175	178	179	132
55°	108	108	109	109	109	97
65°	58	59	59	60	60	58
75°	18	18	17	17	17	20
85°	1	1	0	0	0	2
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°	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3	615.3
2°	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	612.5
2.5°	613.9	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	613.9	612.5
5°	602.7	602.7	602.7	602.7	602.7	602.7	602.7	602.7	604.1	602.7	602.7
7.5°	585.9	585.9	585.9	585.9	587.3	587.3	587.3	587.3	588.7	588.7	587.3
10°	564.8	564.8	564.8	564.8	566.2	566.2	567.6	566.2	566.2	567.6	567.6
12.5°	539.6	538.2	538.2	538.2	539.6	541.0	541.0	541.0	542.4	542.4	542.4
15°	508.8	508.8	508.8	510.2	510.2	511.6	513.0	513.0	514.4	514.4	515.8
17.5°	477.9	477.9	476.5	477.9	479.3	480.7	482.1	483.5	484.9	484.9	484.9
20°	444.3	442.9	444.3	445.7	447.1	448.5	449.9	452.7	454.1	454.1	454.1
22.5°	410.7	409.3	410.7	412.1	413.5	414.9	419.1	420.5	421.9	421.9	424.7
25°	377.0	377.0	378.4	379.8	381.2	382.6	385.4	388.2	389.6	391.0	391.0
27.5°	346.2	346.2	346.2	346.2	349.0	351.8	354.6	357.4	358.8	360.2	360.2
30°	316.8	315.4	315.4	316.8	319.6	322.4	325.2	328.0	329.4	330.8	332.2
32.5°	287.3	287.3	287.3	288.7	290.1	294.3	297.1	298.5	301.3	302.7	302.7
35°	260.7	260.7	260.7	263.5	266.3	269.1	270.5	273.3	276.1	276.1	276.1
37.5°	238.3	239.7	242.5	241.1	241.1	242.5	243.9	246.7	249.5	249.5	249.5
40°	213.0	214.4	215.8	214.4	215.8	218.6	220.0	221.4	222.8	224.3	224.3
42.5°	189.2	189.2	189.2	190.6	193.4	194.8	197.6	199.0	200.4	200.4	200.4
45°	169.6	169.6	171.0	172.4	173.8	175.2	176.6	178.0	179.4	179.4	179.4
47.5°	152.8	152.8	154.2	154.2	155.6	157.0	158.4	158.4	159.8	161.2	159.8
50°	137.4	137.4	137.4	138.8	138.8	140.2	140.2	141.6	141.6	141.6	141.6
52.5°	121.9	121.9	121.9	121.9	123.3	123.3	123.3	124.7	124.7	124.7	124.7
55°	107.9	107.9	107.9	107.9	107.9	109.3	109.3	109.3	109.3	109.3	109.3
57.5°	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
60°	82.7	82.7	82.7	82.7	82.7	81.3	82.7	82.7	82.7	82.7	82.7
62.5°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	71.5	71.5	71.5	71.5
65°	57.5	58.9	58.9	58.9	58.9	58.9	58.9	60.3	60.3	60.3	60.3
67.5°	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	49.1	49.1	49.1
70°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	37.8
72.5°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	26.6	26.6	26.6
75°	18.2	18.2	18.2	18.2	16.8	16.8	16.8	16.8	16.8	16.8	16.8
77.5°	12.6	12.6	12.6	11.2	11.2	9.8	9.8	9.8	9.8	9.8	8.4
80°	7.0	7.0	7.0	7.0	7.0	5.6	5.6	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	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

(END OF REPORT)