

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: P1445898

Luminaire Tested: P3ART09R709030DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

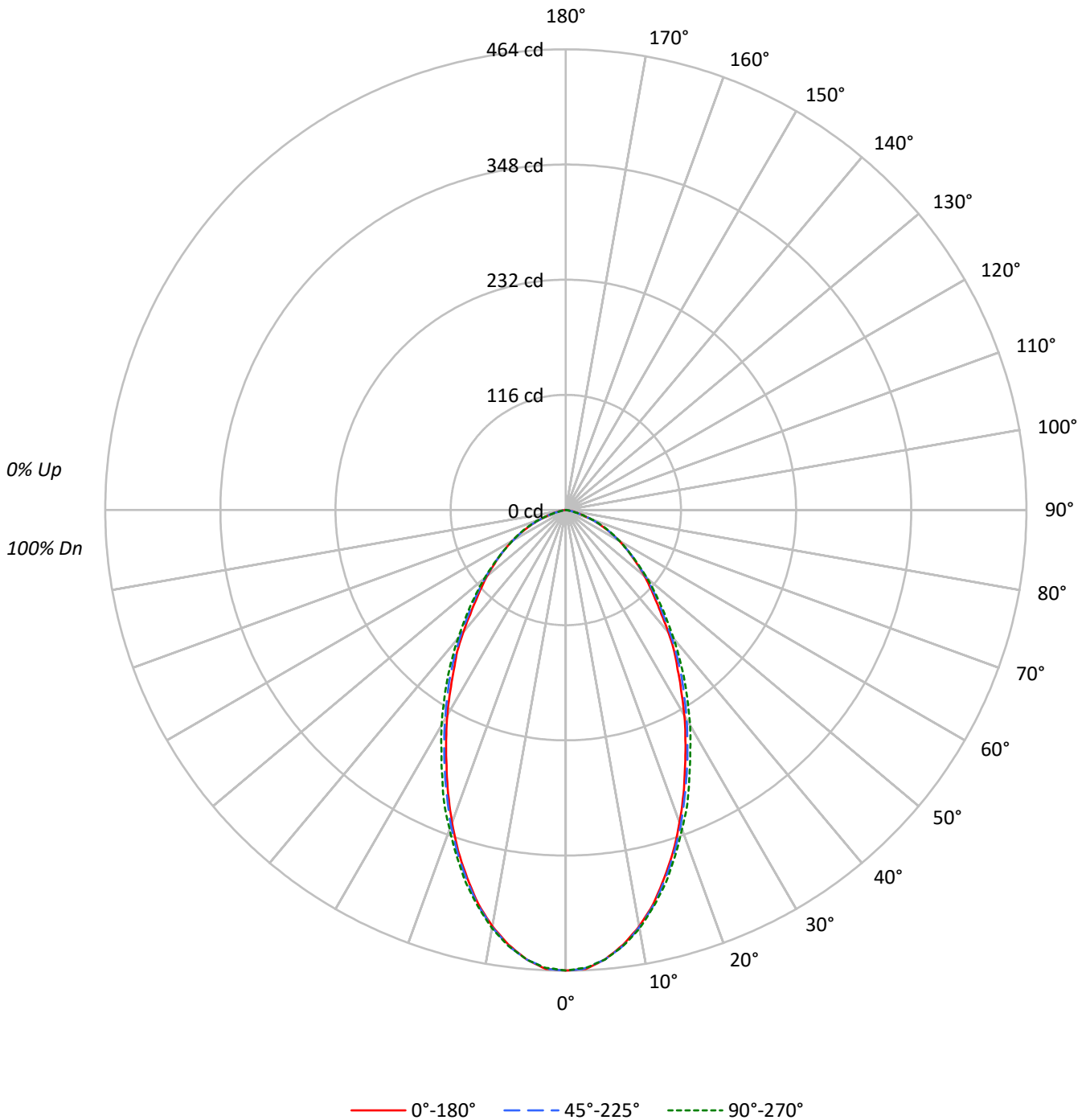
Test Method: LM-79-2019  
Report Number: P1445898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 646.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 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): 11.1  
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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

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

	0°	45°	90°
0°	101702	101702	101702
5°	100000	100000	100000
10°	94810	95033	95278
15°	87061	87537	88264
20°	78150	78897	79877
25°	68762	69778	71327
30°	60465	61528	63402
35°	52602	54288	55707
40°	45972	47174	48376
45°	39632	40965	41927
50°	35308	36024	36400
55°	31081	31502	31502
60°	27322	26884	27322
65°	22467	23037	23556
70°	17631	17631	18272
75°	11607	10760	10760
80°	6693	5304	4041
85°	2768	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 41927 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.5	6.6
10°-20°	107.7	16.7
20°-30°	132.8	20.6
30°-40°	126.6	19.6
40°-50°	102.4	15.9
50°-60°	73.7	11.4
60°-70°	44.2	6.8
70°-80°	14.8	2.3
80°-90°	1.3	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°	283.0	43.8
0°-40°	409.6	63.4
0°-60°	585.8	90.7
0°-90°	646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	454	454	454	455	454	42
15°	384	384	386	387	389	107
25°	284	286	288	293	295	131
35°	196	198	203	207	208	124
45°	128	130	132	134	135	100
55°	81	81	82	82	82	73
65°	43	44	44	45	45	43
75°	14	14	13	13	13	15
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°	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8
2°	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	461.7
2.5°	462.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	462.7	461.7
5°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	455.3	454.3	454.3
7.5°	441.6	441.6	441.6	441.6	442.7	442.7	442.7	442.7	443.7	443.7	442.7
10°	425.8	425.8	425.8	425.8	426.8	426.8	427.9	426.8	426.8	427.9	427.9
12.5°	406.7	405.7	405.7	405.7	406.7	407.8	407.8	407.8	408.9	408.9	408.9
15°	383.5	383.5	383.5	384.6	384.6	385.6	386.7	386.7	387.7	387.7	388.8
17.5°	360.3	360.3	359.2	360.3	361.3	362.4	363.4	364.5	365.5	365.5	365.5
20°	334.9	333.9	334.9	336.0	337.0	338.1	339.1	341.2	342.3	342.3	342.3
22.5°	309.6	308.5	309.6	310.6	311.7	312.7	315.9	316.9	318.0	318.0	320.1
25°	284.2	284.2	285.3	286.3	287.4	288.4	290.5	292.6	293.7	294.8	294.8
27.5°	261.0	261.0	261.0	261.0	263.1	265.2	267.3	269.4	270.5	271.5	271.5
30°	238.8	237.7	237.7	238.8	240.9	243.0	245.1	247.2	248.3	249.3	250.4
32.5°	216.6	216.6	216.6	217.6	218.7	221.9	224.0	225.0	227.1	228.2	228.2
35°	196.5	196.5	196.5	198.6	200.7	202.8	203.9	206.0	208.1	208.1	208.1
37.5°	179.6	180.7	182.8	181.7	181.7	182.8	183.8	185.9	188.1	188.1	188.1
40°	160.6	161.6	162.7	161.6	162.7	164.8	165.9	166.9	168.0	169.0	169.0
42.5°	142.6	142.6	142.6	143.7	145.8	146.9	149.0	150.0	151.1	151.1	151.1
45°	127.8	127.8	128.9	129.9	131.0	132.1	133.1	134.2	135.2	135.2	135.2
47.5°	115.2	115.2	116.2	116.2	117.3	118.3	119.4	119.4	120.4	121.5	120.4
50°	103.5	103.5	103.5	104.6	104.6	105.6	105.6	106.7	106.7	106.7	106.7
52.5°	91.9	91.9	91.9	91.9	93.0	93.0	93.0	94.0	94.0	94.0	94.0
55°	81.3	81.3	81.3	81.3	81.3	82.4	82.4	82.4	82.4	82.4	82.4
57.5°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
60°	62.3	62.3	62.3	62.3	62.3	61.3	62.3	62.3	62.3	62.3	62.3
62.5°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.9	53.9	53.9	53.9
65°	43.3	44.4	44.4	44.4	44.4	44.4	44.4	45.4	45.4	45.4	45.4
67.5°	34.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	37.0	37.0	37.0
70°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	28.5
72.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	20.1	20.1	20.1
75°	13.7	13.7	13.7	13.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
77.5°	9.5	9.5	9.5	8.5	8.5	7.4	7.4	7.4	7.4	7.4	6.3
80°	5.3	5.3	5.3	5.3	5.3	4.2	4.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)