

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: P1445886

Luminaire Tested: P3ART05R709030DE010 E3LDWW1MW

Issue Date: 5/8/2026

**Test Information**

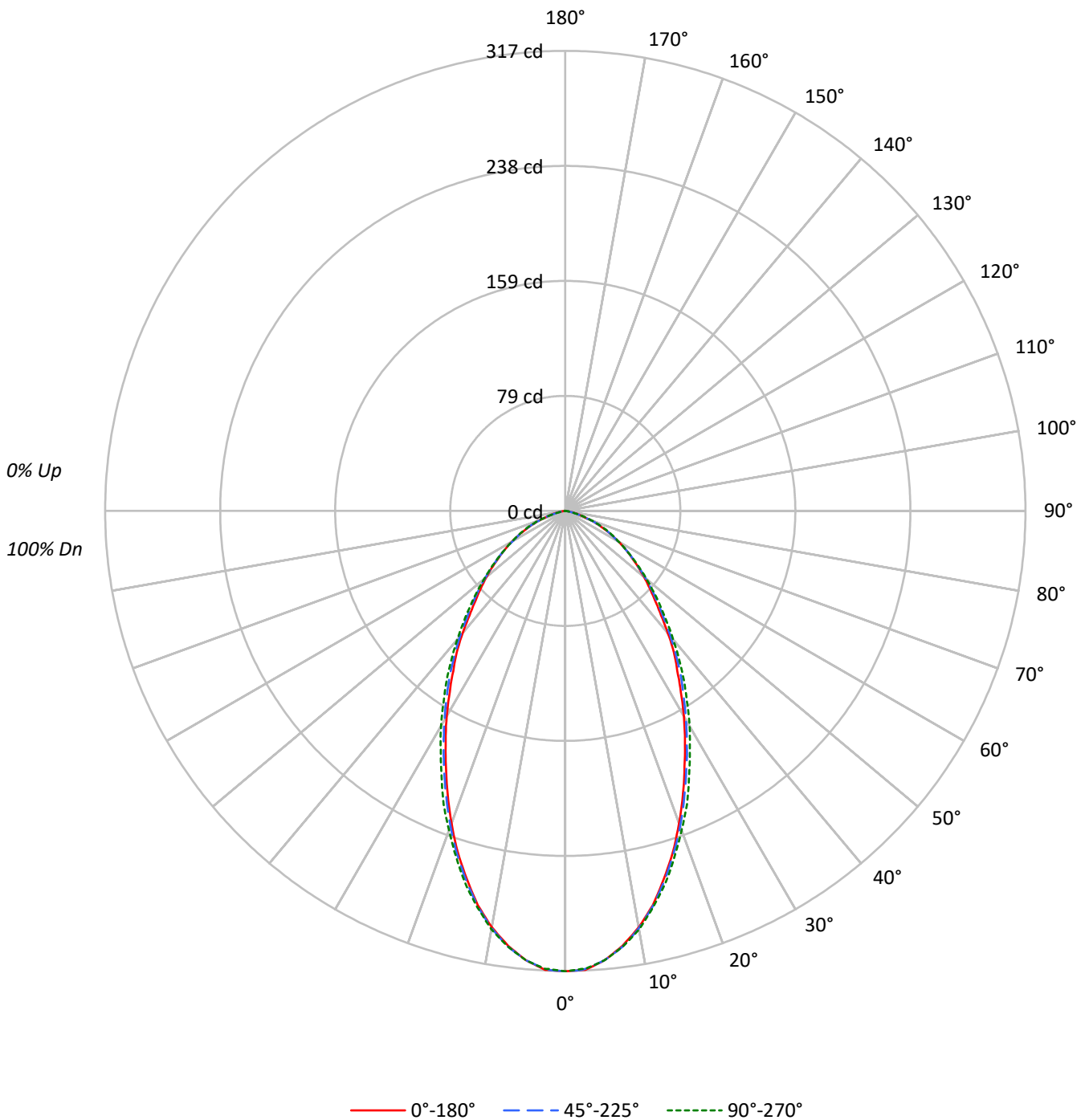
Test Method: LM-79-2019  
Report Number: P1445886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709030DE010 E3LDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 442.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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): 7.2  
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°	69578	69578	69578
5°	68413	68413	68413
10°	64862	65018	65196
15°	59569	59887	60386
20°	53461	53975	54651
25°	47035	47737	48801
30°	41373	42108	43374
35°	36005	37156	38119
40°	31459	32289	33119
45°	27135	28034	28685
50°	24153	24664	24903
55°	21294	21562	21562
60°	18683	18376	18683
65°	15358	15773	16137
70°	12053	12053	12502
75°	7964	7371	7371
80°	4546	3662	2778
85°	1761	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 28685 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	6.6
10°-20°	73.7	16.7
20°-30°	90.9	20.6
30°-40°	86.6	19.6
40°-50°	70.1	15.9
50°-60°	50.5	11.4
60°-70°	30.2	6.8
70°-80°	10.1	2.3
80°-90°	0.9	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°	193.7	43.8
0°-40°	280.3	63.4
0°-60°	400.8	90.7
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	317	317	317	317	317	
5°	311	311	311	311	311	29
15°	262	263	264	265	266	73
25°	194	196	197	200	202	89
35°	134	136	139	141	142	85
45°	88	89	90	92	92	68
55°	56	56	56	56	56	50
65°	30	30	30	31	31	30
75°	9	9	9	9	9	11
85°	1	1	0	0	0	1
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°	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3
2°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	315.9
2.5°	316.6	315.9	315.9	315.9	315.9	315.9	315.9	315.9	315.9	316.6	315.9
5°	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	311.6	310.8	310.8
7.5°	302.2	302.2	302.2	302.2	302.9	302.9	302.9	302.9	303.6	303.6	302.9
10°	291.3	291.3	291.3	291.3	292.0	292.0	292.8	292.0	292.0	292.8	292.8
12.5°	278.3	277.6	277.6	277.6	278.3	279.0	279.0	279.0	279.7	279.7	279.7
15°	262.4	262.4	262.4	263.1	263.1	263.8	264.6	264.6	265.3	265.3	266.0
17.5°	246.5	246.5	245.8	246.5	247.2	247.9	248.7	249.4	250.1	250.1	250.1
20°	229.1	228.4	229.1	229.9	230.6	231.3	232.0	233.5	234.2	234.2	234.2
22.5°	211.8	211.1	211.8	212.5	213.2	214.0	216.1	216.9	217.6	217.6	219.0
25°	194.4	194.4	195.2	195.9	196.6	197.3	198.8	200.2	201.0	201.7	201.7
27.5°	178.5	178.5	178.5	178.5	180.0	181.4	182.9	184.3	185.1	185.8	185.8
30°	163.4	162.6	162.6	163.4	164.8	166.3	167.7	169.1	169.9	170.6	171.3
32.5°	148.2	148.2	148.2	148.9	149.6	151.8	153.2	154.0	155.4	156.1	156.1
35°	134.5	134.5	134.5	135.9	137.3	138.8	139.5	141.0	142.4	142.4	142.4
37.5°	122.9	123.6	125.1	124.3	124.3	125.1	125.8	127.2	128.7	128.7	128.7
40°	109.9	110.6	111.3	110.6	111.3	112.8	113.5	114.2	114.9	115.7	115.7
42.5°	97.6	97.6	97.6	98.3	99.8	100.5	101.9	102.6	103.4	103.4	103.4
45°	87.5	87.5	88.2	88.9	89.6	90.4	91.1	91.8	92.5	92.5	92.5
47.5°	78.8	78.8	79.5	79.5	80.2	81.0	81.7	81.7	82.4	83.1	82.4
50°	70.8	70.8	70.8	71.6	71.6	72.3	72.3	73.0	73.0	73.0	73.0
52.5°	62.9	62.9	62.9	62.9	63.6	63.6	63.6	64.3	64.3	64.3	64.3
55°	55.7	55.7	55.7	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4
57.5°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
60°	42.6	42.6	42.6	42.6	42.6	41.9	42.6	42.6	42.6	42.6	42.6
62.5°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.9	36.9	36.9	36.9
65°	29.6	30.4	30.4	30.4	30.4	30.4	30.4	31.1	31.1	31.1	31.1
67.5°	23.9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.3	25.3	25.3
70°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.5
72.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.7	13.7	13.7
75°	9.4	9.4	9.4	9.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	6.5	6.5	6.5	5.8	5.8	5.1	5.1	5.1	5.1	5.1	4.3
80°	3.6	3.6	3.6	3.6	3.6	2.9	2.9	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	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)