

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: P1446302

Luminaire Tested: P3ART09R709050DE010 E3LDWW1MW

Issue Date: 5/8/2026

**Test Information**

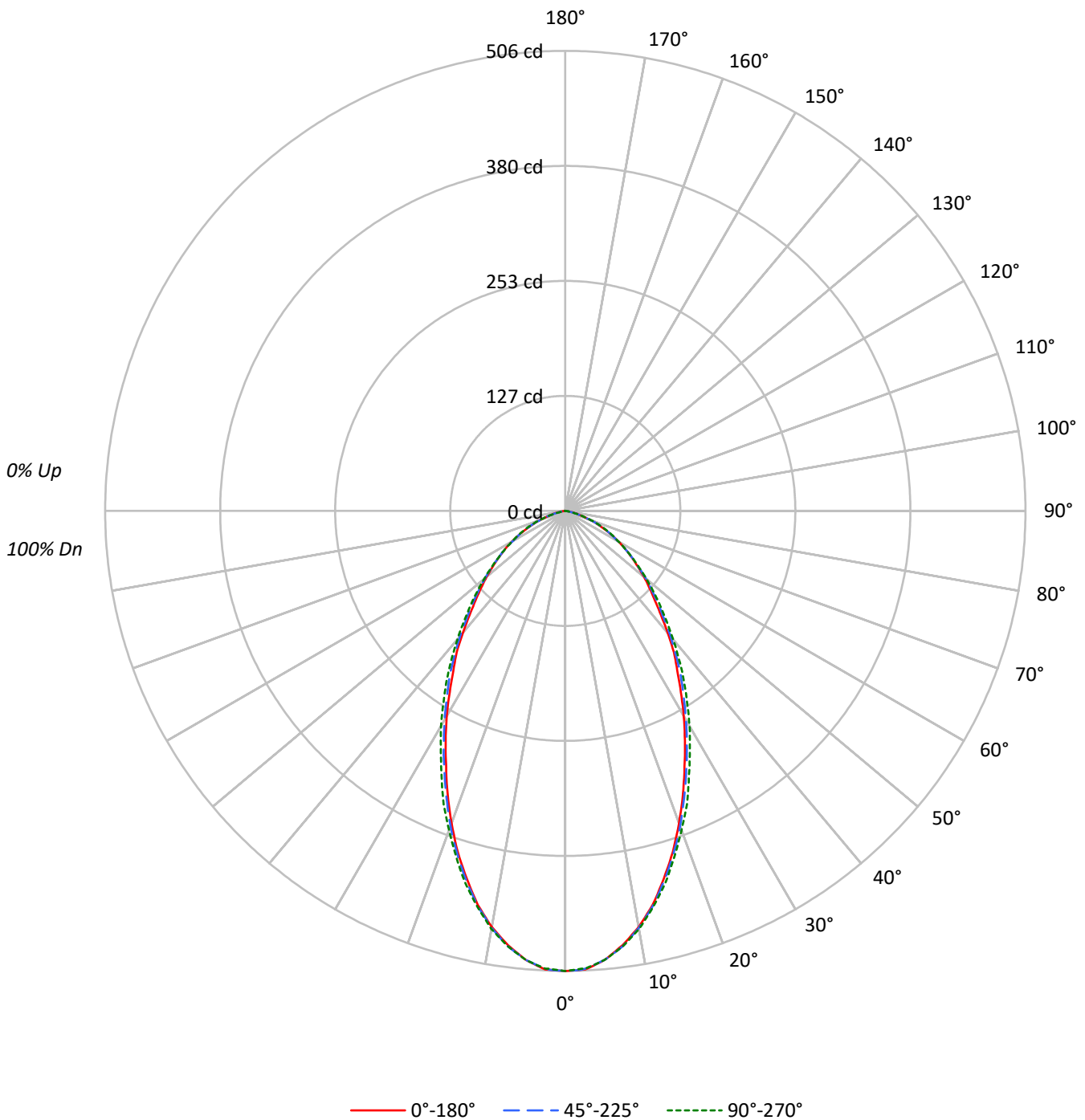
Test Method: LM-79-2019  
Report Number: P1446302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709050DE010 E3LDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 705.0 lumens  
Efficiency: N/A  
Efficacy: 63.5 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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

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

	0°	45°	90°
0°	111000	111000	111000
5°	109135	109135	109135
10°	103472	103717	103984
15°	95006	95528	96323
20°	85291	86107	87181
25°	75053	76166	77835
30°	65985	67150	69201
35°	57420	59267	60793
40°	50180	51496	52813
45°	43260	44687	45772
50°	38549	39333	39743
55°	33949	34369	34369
60°	29822	29340	29822
65°	24542	25113	25736
70°	19234	19234	19939
75°	12709	11692	11692
80°	7324	5809	4420
85°	3019	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 45772 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.4	6.6
10°-20°	117.5	16.7
20°-30°	145.0	20.6
30°-40°	138.1	19.6
40°-50°	111.8	15.9
50°-60°	80.5	11.4
60°-70°	48.2	6.8
70°-80°	16.2	2.3
80°-90°	1.4	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°	308.9	43.8
0°-40°	447.0	63.4
0°-60°	639.3	90.7
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	496	496	496	496	496	46
15°	418	419	421	422	424	117
25°	310	312	315	320	322	143
35°	214	216	221	225	227	135
45°	140	142	144	147	148	109
55°	89	89	90	90	90	80
65°	47	48	48	50	50	47
75°	15	15	14	14	14	17
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°	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2
2°	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	503.9
2.5°	505.0	503.9	503.9	503.9	503.9	503.9	503.9	503.9	503.9	505.0	503.9
5°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	496.9	495.8	495.8
7.5°	481.9	481.9	481.9	481.9	483.1	483.1	483.1	483.1	484.3	484.3	483.1
10°	464.7	464.7	464.7	464.7	465.8	465.8	467.0	465.8	465.8	467.0	467.0
12.5°	443.9	442.7	442.7	442.7	443.9	445.0	445.0	445.0	446.2	446.2	446.2
15°	418.5	418.5	418.5	419.7	419.7	420.8	422.0	422.0	423.1	423.1	424.3
17.5°	393.2	393.2	392.0	393.2	394.3	395.5	396.6	397.8	398.9	398.9	398.9
20°	365.5	364.3	365.5	366.6	367.8	369.0	370.1	372.4	373.6	373.6	373.6
22.5°	337.8	336.7	337.8	339.0	340.1	341.3	344.7	345.9	347.0	347.0	349.4
25°	310.2	310.2	311.3	312.5	313.6	314.8	317.1	319.4	320.5	321.7	321.7
27.5°	284.8	284.8	284.8	284.8	287.1	289.4	291.7	294.0	295.2	296.3	296.3
30°	260.6	259.4	259.4	260.6	262.9	265.2	267.5	269.8	270.9	272.1	273.3
32.5°	236.4	236.4	236.4	237.5	238.7	242.1	244.4	245.6	247.9	249.0	249.0
35°	214.5	214.5	214.5	216.8	219.1	221.4	222.5	224.8	227.1	227.1	227.1
37.5°	196.0	197.2	199.5	198.3	198.3	199.5	200.6	202.9	205.2	205.2	205.2
40°	175.3	176.4	177.6	176.4	177.6	179.9	181.0	182.2	183.3	184.5	184.5
42.5°	155.7	155.7	155.7	156.8	159.1	160.3	162.6	163.7	164.9	164.9	164.9
45°	139.5	139.5	140.7	141.8	143.0	144.1	145.3	146.4	147.6	147.6	147.6
47.5°	125.7	125.7	126.8	126.8	128.0	129.1	130.3	130.3	131.4	132.6	131.4
50°	113.0	113.0	113.0	114.1	114.1	115.3	115.3	116.5	116.5	116.5	116.5
52.5°	100.3	100.3	100.3	100.3	101.5	101.5	101.5	102.6	102.6	102.6	102.6
55°	88.8	88.8	88.8	88.8	88.8	89.9	89.9	89.9	89.9	89.9	89.9
57.5°	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
60°	68.0	68.0	68.0	68.0	68.0	66.9	68.0	68.0	68.0	68.0	68.0
62.5°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	58.8	58.8	58.8	58.8
65°	47.3	48.4	48.4	48.4	48.4	48.4	48.4	49.6	49.6	49.6	49.6
67.5°	38.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	40.4	40.4	40.4
70°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	31.1
72.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	21.9	21.9	21.9
75°	15.0	15.0	15.0	15.0	13.8	13.8	13.8	13.8	13.8	13.8	13.8
77.5°	10.4	10.4	10.4	9.2	9.2	8.1	8.1	8.1	8.1	8.1	6.9
80°	5.8	5.8	5.8	5.8	5.8	4.6	4.6	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	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)