

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: P1446198

Luminaire Tested: P3ART13R709050DE010 E3LDWW1MW

Issue Date: 5/8/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1446198  
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: P3ART13R709050DE010 E3LDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

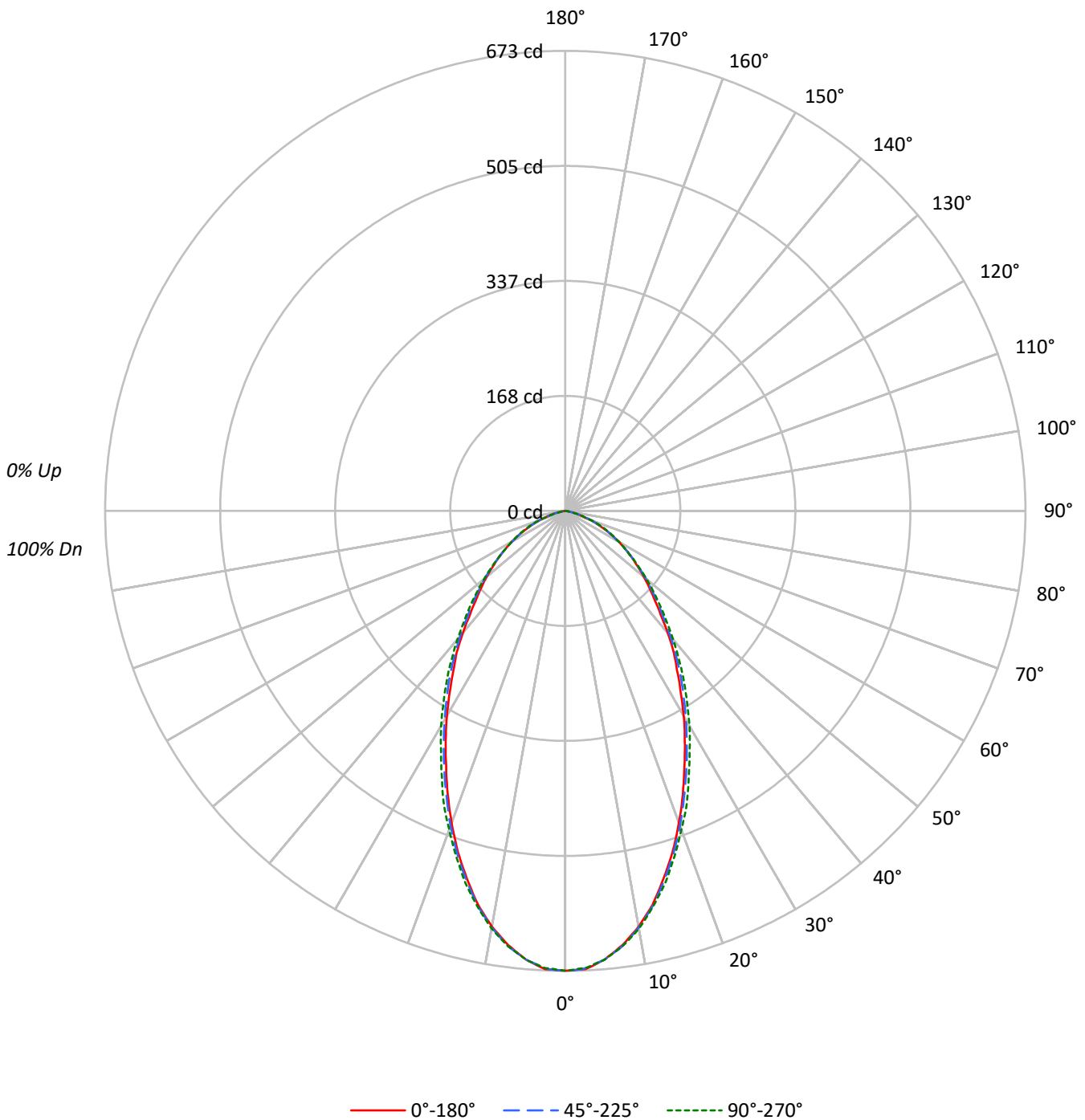
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 937.0 lumens  
Efficiency: N/A  
Efficacy: 64.2 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): 14.6  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35	35

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

	0°	45°	90°
0°	147510	147510	147510
5°	145036	145036	145036
10°	137517	137851	138185
15°	126289	126970	128014
20°	113363	114437	115860
25°	99732	101207	103433
30°	87684	89254	91964
35°	76292	78755	80816
40°	66668	68443	70189
45°	57494	59386	60813
50°	51239	52263	52808
55°	45112	45685	45685
60°	39646	38988	39646
65°	32585	33415	34193
70°	25517	25517	26543
75°	16860	15589	15589
80°	9723	7703	5809
85°	3774	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 60813 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.6	6.6
10°-20°	156.2	16.7
20°-30°	192.7	20.6
30°-40°	183.6	19.6
40°-50°	148.5	15.9
50°-60°	107.0	11.4
60°-70°	64.1	6.8
70°-80°	21.5	2.3
80°-90°	1.8	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°	410.5	43.8
0°-40°	594.1	63.4
0°-60°	849.7	90.7
0°-90°	937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	659	659	659	659	659	62
15°	556	557	559	561	564	155
25°	412	415	418	425	428	190
35°	285	287	294	300	302	179
45°	185	188	192	195	196	145
55°	118	118	120	120	120	106
65°	63	64	64	66	66	63
75°	20	20	18	18	18	22
85°	2	2	0	0	0	3
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°	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7
2°	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	671.2	669.7
2.5°	671.2	669.7	669.7	669.7	669.7	669.7	669.7	669.7	669.7	671.2	669.7
5°	658.9	658.9	658.9	658.9	658.9	658.9	658.9	658.9	660.5	658.9	658.9
7.5°	640.5	640.5	640.5	640.5	642.1	642.1	642.1	642.1	643.6	643.6	642.1
10°	617.6	617.6	617.6	617.6	619.1	619.1	620.6	619.1	619.1	620.6	620.6
12.5°	590.0	588.4	588.4	588.4	590.0	591.5	591.5	591.5	593.0	593.0	593.0
15°	556.3	556.3	556.3	557.8	557.8	559.3	560.9	560.9	562.4	562.4	563.9
17.5°	522.5	522.5	521.0	522.5	524.1	525.6	527.1	528.7	530.2	530.2	530.2
20°	485.8	484.2	485.8	487.3	488.8	490.4	491.9	495.0	496.5	496.5	496.5
22.5°	449.0	447.5	449.0	450.5	452.1	453.6	458.2	459.7	461.3	461.3	464.3
25°	412.2	412.2	413.7	415.3	416.8	418.3	421.4	424.5	426.0	427.5	427.5
27.5°	378.5	378.5	378.5	378.5	381.6	384.6	387.7	390.8	392.3	393.8	393.8
30°	346.3	344.8	344.8	346.3	349.4	352.5	355.5	358.6	360.1	361.6	363.2
32.5°	314.1	314.1	314.1	315.7	317.2	321.8	324.9	326.4	329.5	331.0	331.0
35°	285.0	285.0	285.0	288.1	291.2	294.2	295.8	298.8	301.9	301.9	301.9
37.5°	260.5	262.0	265.1	263.6	263.6	265.1	266.6	269.7	272.8	272.8	272.8
40°	232.9	234.5	236.0	234.5	236.0	239.1	240.6	242.1	243.7	245.2	245.2
42.5°	206.9	206.9	206.9	208.4	211.5	213.0	216.1	217.6	219.1	219.1	219.1
45°	185.4	185.4	187.0	188.5	190.0	191.5	193.1	194.6	196.1	196.1	196.1
47.5°	167.0	167.0	168.6	168.6	170.1	171.6	173.2	173.2	174.7	176.2	174.7
50°	150.2	150.2	150.2	151.7	151.7	153.2	153.2	154.8	154.8	154.8	154.8
52.5°	133.3	133.3	133.3	133.3	134.9	134.9	134.9	136.4	136.4	136.4	136.4
55°	118.0	118.0	118.0	118.0	118.0	119.5	119.5	119.5	119.5	119.5	119.5
57.5°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
60°	90.4	90.4	90.4	90.4	90.4	88.9	90.4	90.4	90.4	90.4	90.4
62.5°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	78.2	78.2	78.2	78.2
65°	62.8	64.4	64.4	64.4	64.4	64.4	64.4	65.9	65.9	65.9	65.9
67.5°	50.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	53.6	53.6	53.6
70°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	41.4
72.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	29.1	29.1	29.1
75°	19.9	19.9	19.9	19.9	18.4	18.4	18.4	18.4	18.4	18.4	18.4
77.5°	13.8	13.8	13.8	12.3	12.3	10.7	10.7	10.7	10.7	10.7	9.2
80°	7.7	7.7	7.7	7.7	7.7	6.1	6.1	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	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)