

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: P#

Luminaire Tested: P3ART09R70W2N902750DE010 E3CLDWW1MW_2700K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART09R70W2N902750DE010 E3CLDWW1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

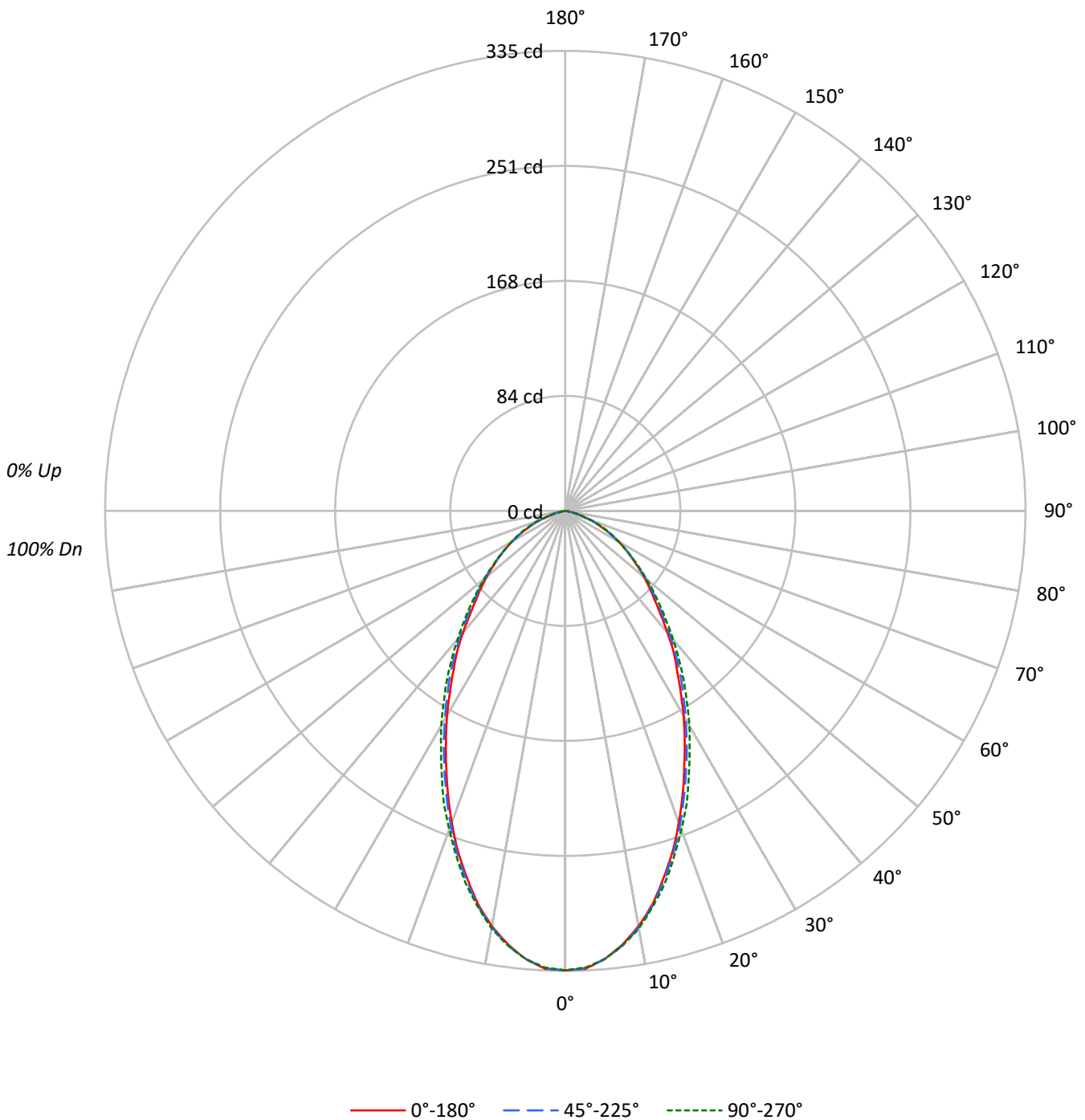
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 51.8 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): 9
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	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	76	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°	73371	73371	73371
5°	72133	72133	72133
10°	68380	68558	68736
15°	62793	63156	63678
20°	56378	56915	57615
25°	49600	50350	51438
30°	43602	44387	45729
35°	37959	39163	40181
40°	33148	34035	34894
45°	28592	29553	30267
50°	25483	25995	26268
55°	22441	22709	22709
60°	19735	19384	19735
65°	16189	16604	17019
70°	12694	12694	13207
75°	8388	7710	7710
80°	4799	3788	2904
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 30267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	6.6
10°-20°	77.7	16.7
20°-30°	95.8	20.6
30°-40°	91.3	19.6
40°-50°	73.9	15.9
50°-60°	53.2	11.4
60°-70°	31.9	6.8
70°-80°	10.7	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°	204.2	43.8
0°-40°	295.5	63.4
0°-60°	422.6	90.7
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	335	335	335	335	335	
5°	328	328	328	328	328	31
15°	277	277	278	279	280	77
25°	205	206	208	211	213	94
35°	142	143	146	149	150	89
45°	92	94	95	97	98	72
55°	59	59	59	59	59	53
65°	31	32	32	33	33	31
75°	10	10	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°	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6
2°	333.8	333.8	333.8	333.8	333.8	333.8	333.8	333.8	333.8	333.8	333.0
2.5°	333.8	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.8	333.0
5°	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	328.5	327.7	327.7
7.5°	318.6	318.6	318.6	318.6	319.3	319.3	319.3	319.3	320.1	320.1	319.3
10°	307.1	307.1	307.1	307.1	307.9	307.9	308.7	307.9	307.9	308.7	308.7
12.5°	293.4	292.7	292.7	292.7	293.4	294.2	294.2	294.2	294.9	294.9	294.9
15°	276.6	276.6	276.6	277.4	277.4	278.2	278.9	278.9	279.7	279.7	280.5
17.5°	259.9	259.9	259.1	259.9	260.6	261.4	262.2	262.9	263.7	263.7	263.7
20°	241.6	240.8	241.6	242.4	243.1	243.9	244.6	246.2	246.9	246.9	246.9
22.5°	223.3	222.5	223.3	224.1	224.8	225.6	227.9	228.6	229.4	229.4	230.9
25°	205.0	205.0	205.8	206.5	207.3	208.1	209.6	211.1	211.9	212.6	212.6
27.5°	188.2	188.2	188.2	188.2	189.8	191.3	192.8	194.3	195.1	195.9	195.9
30°	172.2	171.5	171.5	172.2	173.8	175.3	176.8	178.3	179.1	179.9	180.6
32.5°	156.2	156.2	156.2	157.0	157.8	160.0	161.6	162.3	163.9	164.6	164.6
35°	141.8	141.8	141.8	143.3	144.8	146.3	147.1	148.6	150.1	150.1	150.1
37.5°	129.6	130.3	131.8	131.1	131.1	131.8	132.6	134.1	135.7	135.7	135.7
40°	115.8	116.6	117.4	116.6	117.4	118.9	119.7	120.4	121.2	121.9	121.9
42.5°	102.9	102.9	102.9	103.6	105.2	105.9	107.5	108.2	109.0	109.0	109.0
45°	92.2	92.2	93.0	93.7	94.5	95.3	96.0	96.8	97.6	97.6	97.6
47.5°	83.1	83.1	83.8	83.8	84.6	85.4	86.1	86.1	86.9	87.6	86.9
50°	74.7	74.7	74.7	75.4	75.4	76.2	76.2	77.0	77.0	77.0	77.0
52.5°	66.3	66.3	66.3	66.3	67.1	67.1	67.1	67.8	67.8	67.8	67.8
55°	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4
57.5°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
60°	45.0	45.0	45.0	45.0	45.0	44.2	45.0	45.0	45.0	45.0	45.0
62.5°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.9	38.9	38.9	38.9
65°	31.2	32.0	32.0	32.0	32.0	32.0	32.0	32.8	32.8	32.8	32.8
67.5°	25.1	25.9	25.9	25.9	25.9	25.9	25.9	25.9	26.7	26.7	26.7
70°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.6
72.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	14.5	14.5	14.5
75°	9.9	9.9	9.9	9.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1
77.5°	6.9	6.9	6.9	6.1	6.1	5.3	5.3	5.3	5.3	5.3	4.6
80°	3.8	3.8	3.8	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)