

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: P3ART17R70W2N902750DE010 E3CLDWW1MW_5000K

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: P3ART17R70W2N902750DE010 E3CLDWW1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

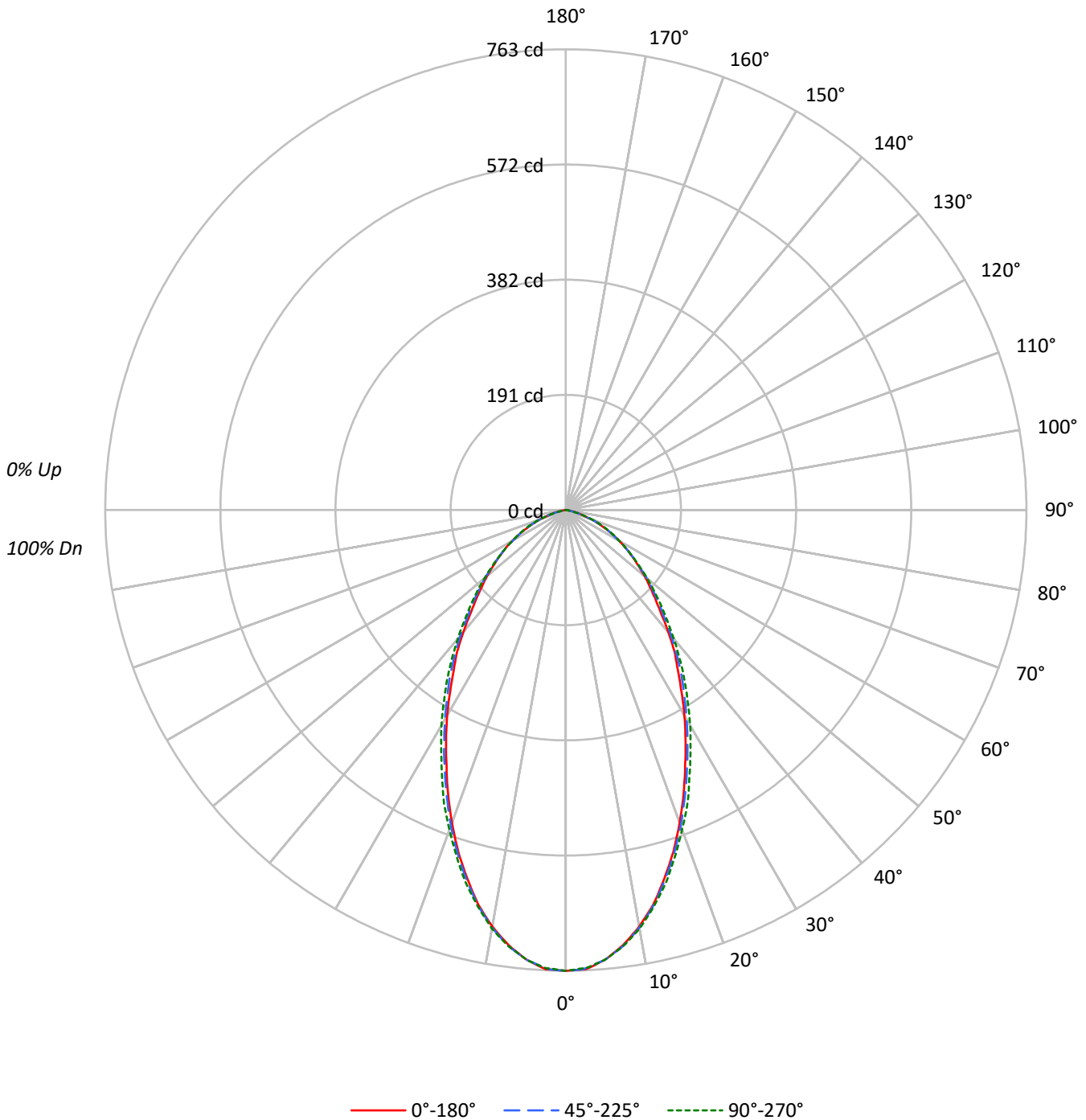
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1063.0 lumens
Efficiency: N/A
Efficacy: 54.8 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): 19.4
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°	167355	167355	167355
5°	164538	164538	164538
10°	155998	156377	156777
15°	143270	144042	145245
20°	128601	129815	131448
25°	113136	114829	117345
30°	99484	101231	104320
35°	86572	89356	91685
40°	75627	77631	79635
45°	65247	67387	68999
50°	58130	59290	59904
55°	51191	51840	51840
60°	44996	44207	44996
65°	36995	37877	38811
70°	28979	28979	30069
75°	19148	17707	17707
80°	10986	8840	6566
85°	4277	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 68999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	6.6
10°-20°	177.2	16.7
20°-30°	218.6	20.6
30°-40°	208.3	19.6
40°-50°	168.5	15.9
50°-60°	121.4	11.4
60°-70°	72.7	6.8
70°-80°	24.4	2.3
80°-90°	2.1	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°	465.7	43.8
0°-40°	674.0	63.4
0°-60°	963.9	90.7
0°-90°	1063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	748	748	748	748	748	70
15°	631	632	634	637	640	176
25°	468	471	475	482	485	215
35°	323	326	334	340	342	203
45°	210	213	217	221	222	164
55°	134	134	136	136	136	120
65°	71	73	73	75	75	71
75°	23	23	21	21	21	25
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°	763.2	763.2	763.2	763.2	763.2	763.2	763.2	763.2	763.2	763.2	763.2
2°	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	761.4	759.7
2.5°	761.4	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	761.4	759.7
5°	747.5	747.5	747.5	747.5	747.5	747.5	747.5	747.5	749.3	747.5	747.5
7.5°	726.7	726.7	726.7	726.7	728.4	728.4	728.4	728.4	730.2	730.2	728.4
10°	700.6	700.6	700.6	700.6	702.3	702.3	704.1	702.3	702.3	704.1	704.1
12.5°	669.3	667.6	667.6	667.6	669.3	671.0	671.0	671.0	672.8	672.8	672.8
15°	631.1	631.1	631.1	632.8	632.8	634.5	636.3	636.3	638.0	638.0	639.8
17.5°	592.8	592.8	591.1	592.8	594.6	596.3	598.0	599.8	601.5	601.5	601.5
20°	551.1	549.4	551.1	552.8	554.6	556.3	558.0	561.5	563.3	563.3	563.3
22.5°	509.4	507.6	509.4	511.1	512.8	514.6	519.8	521.5	523.3	523.3	526.8
25°	467.6	467.6	469.4	471.1	472.9	474.6	478.1	481.6	483.3	485.0	485.0
27.5°	429.4	429.4	429.4	429.4	432.9	436.4	439.8	443.3	445.0	446.8	446.8
30°	392.9	391.2	391.2	392.9	396.4	399.8	403.3	406.8	408.5	410.3	412.0
32.5°	356.4	356.4	356.4	358.1	359.9	365.1	368.6	370.3	373.8	375.5	375.5
35°	323.4	323.4	323.4	326.8	330.3	333.8	335.5	339.0	342.5	342.5	342.5
37.5°	295.5	297.3	300.8	299.0	299.0	300.8	302.5	306.0	309.4	309.4	309.4
40°	264.2	266.0	267.7	266.0	267.7	271.2	272.9	274.7	276.4	278.2	278.2
42.5°	234.7	234.7	234.7	236.4	239.9	241.6	245.1	246.9	248.6	248.6	248.6
45°	210.4	210.4	212.1	213.8	215.6	217.3	219.0	220.8	222.5	222.5	222.5
47.5°	189.5	189.5	191.2	191.2	193.0	194.7	196.4	196.4	198.2	199.9	198.2
50°	170.4	170.4	170.4	172.1	172.1	173.8	173.8	175.6	175.6	175.6	175.6
52.5°	151.2	151.2	151.2	151.2	153.0	153.0	153.0	154.7	154.7	154.7	154.7
55°	133.9	133.9	133.9	133.9	133.9	135.6	135.6	135.6	135.6	135.6	135.6
57.5°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
60°	102.6	102.6	102.6	102.6	102.6	100.8	102.6	102.6	102.6	102.6	102.6
62.5°	86.9	86.9	86.9	86.9	86.9	86.9	86.9	88.7	88.7	88.7	88.7
65°	71.3	73.0	73.0	73.0	73.0	73.0	73.0	74.8	74.8	74.8	74.8
67.5°	57.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	60.8	60.8	60.8
70°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.9
72.5°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	33.0	33.0	33.0
75°	22.6	22.6	22.6	22.6	20.9	20.9	20.9	20.9	20.9	20.9	20.9
77.5°	15.6	15.6	15.6	13.9	13.9	12.2	12.2	12.2	12.2	12.2	10.4
80°	8.7	8.7	8.7	8.7	8.7	7.0	7.0	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	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)