

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: P3ART13R70W2N902750DE010 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: P3ART13R70W2N902750DE010 E3CLDWW1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

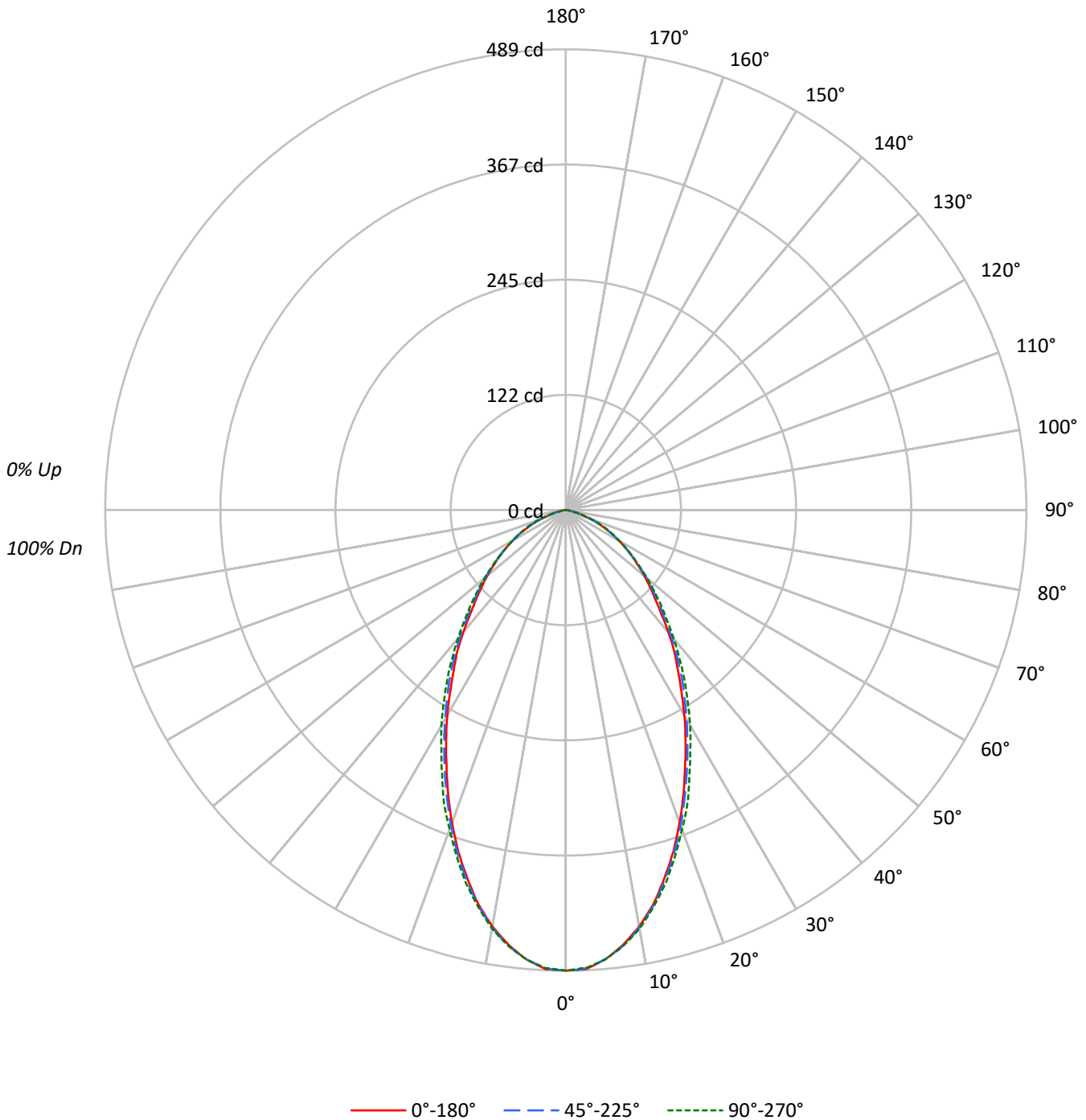
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 55.4 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): 12.3
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°	107206	107206	107206
5°	105415	105415	105415
10°	99931	100176	100443
15°	91783	92282	93054
20°	82397	83167	84194
25°	72488	73553	75174
30°	63731	64871	66846
35°	55466	57233	58732
40°	48462	49722	51010
45°	41803	43167	44222
50°	37218	38003	38378
55°	32802	33222	33222
60°	28813	28331	28813
65°	23712	24283	24854
70°	18593	18593	19298
75°	12285	11353	11353
80°	7072	5683	4167
85°	2768	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 44222 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	6.6
10°-20°	113.5	16.7
20°-30°	140.0	20.6
30°-40°	133.4	19.6
40°-50°	108.0	15.9
50°-60°	77.8	11.4
60°-70°	46.6	6.8
70°-80°	15.6	2.3
80°-90°	1.3	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°	298.4	43.8
0°-40°	431.8	63.4
0°-60°	617.5	90.7
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	489	489	489	489	489	
5°	479	479	479	479	479	45
15°	404	405	406	408	410	113
25°	300	302	304	309	311	138
35°	207	209	214	218	219	130
45°	135	137	139	142	143	105
55°	86	86	87	87	87	77
65°	46	47	47	48	48	46
75°	14	14	13	13	13	16
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°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2°	487.8	487.8	487.8	487.8	487.8	487.8	487.8	487.8	487.8	487.8	486.7
2.5°	487.8	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	487.8	486.7
5°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	480.0	478.9	478.9
7.5°	465.5	465.5	465.5	465.5	466.7	466.7	466.7	466.7	467.8	467.8	466.7
10°	448.8	448.8	448.8	448.8	449.9	449.9	451.1	449.9	449.9	451.1	451.1
12.5°	428.8	427.7	427.7	427.7	428.8	429.9	429.9	429.9	431.0	431.0	431.0
15°	404.3	404.3	404.3	405.4	405.4	406.5	407.6	407.6	408.7	408.7	409.9
17.5°	379.8	379.8	378.7	379.8	380.9	382.0	383.1	384.2	385.3	385.3	385.3
20°	353.1	351.9	353.1	354.2	355.3	356.4	357.5	359.7	360.8	360.8	360.8
22.5°	326.3	325.2	326.3	327.4	328.5	329.7	333.0	334.1	335.2	335.2	337.5
25°	299.6	299.6	300.7	301.8	302.9	304.0	306.3	308.5	309.6	310.7	310.7
27.5°	275.1	275.1	275.1	275.1	277.3	279.5	281.8	284.0	285.1	286.2	286.2
30°	251.7	250.6	250.6	251.7	253.9	256.2	258.4	260.6	261.7	262.8	264.0
32.5°	228.3	228.3	228.3	229.4	230.5	233.9	236.1	237.2	239.5	240.6	240.6
35°	207.2	207.2	207.2	209.4	211.6	213.8	214.9	217.2	219.4	219.4	219.4
37.5°	189.3	190.4	192.7	191.6	191.6	192.7	193.8	196.0	198.2	198.2	198.2
40°	169.3	170.4	171.5	170.4	171.5	173.7	174.9	176.0	177.1	178.2	178.2
42.5°	150.4	150.4	150.4	151.5	153.7	154.8	157.0	158.1	159.3	159.3	159.3
45°	134.8	134.8	135.9	137.0	138.1	139.2	140.3	141.4	142.6	142.6	142.6
47.5°	121.4	121.4	122.5	122.5	123.6	124.7	125.9	125.9	127.0	128.1	127.0
50°	109.1	109.1	109.1	110.3	110.3	111.4	111.4	112.5	112.5	112.5	112.5
52.5°	96.9	96.9	96.9	96.9	98.0	98.0	98.0	99.1	99.1	99.1	99.1
55°	85.8	85.8	85.8	85.8	85.8	86.9	86.9	86.9	86.9	86.9	86.9
57.5°	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
60°	65.7	65.7	65.7	65.7	65.7	64.6	65.7	65.7	65.7	65.7	65.7
62.5°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.8	56.8	56.8	56.8
65°	45.7	46.8	46.8	46.8	46.8	46.8	46.8	47.9	47.9	47.9	47.9
67.5°	36.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	39.0	39.0	39.0
70°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	30.1
72.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.2	21.2	21.2
75°	14.5	14.5	14.5	14.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4
77.5°	10.0	10.0	10.0	8.9	8.9	7.8	7.8	7.8	7.8	7.8	6.7
80°	5.6	5.6	5.6	5.6	5.6	4.5	4.5	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)