

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: P3ART05R70W2N902750DE010 E3CLDWW1MB_3000K

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: P3ART05R70W2N902750DE010 E3CLDWW1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

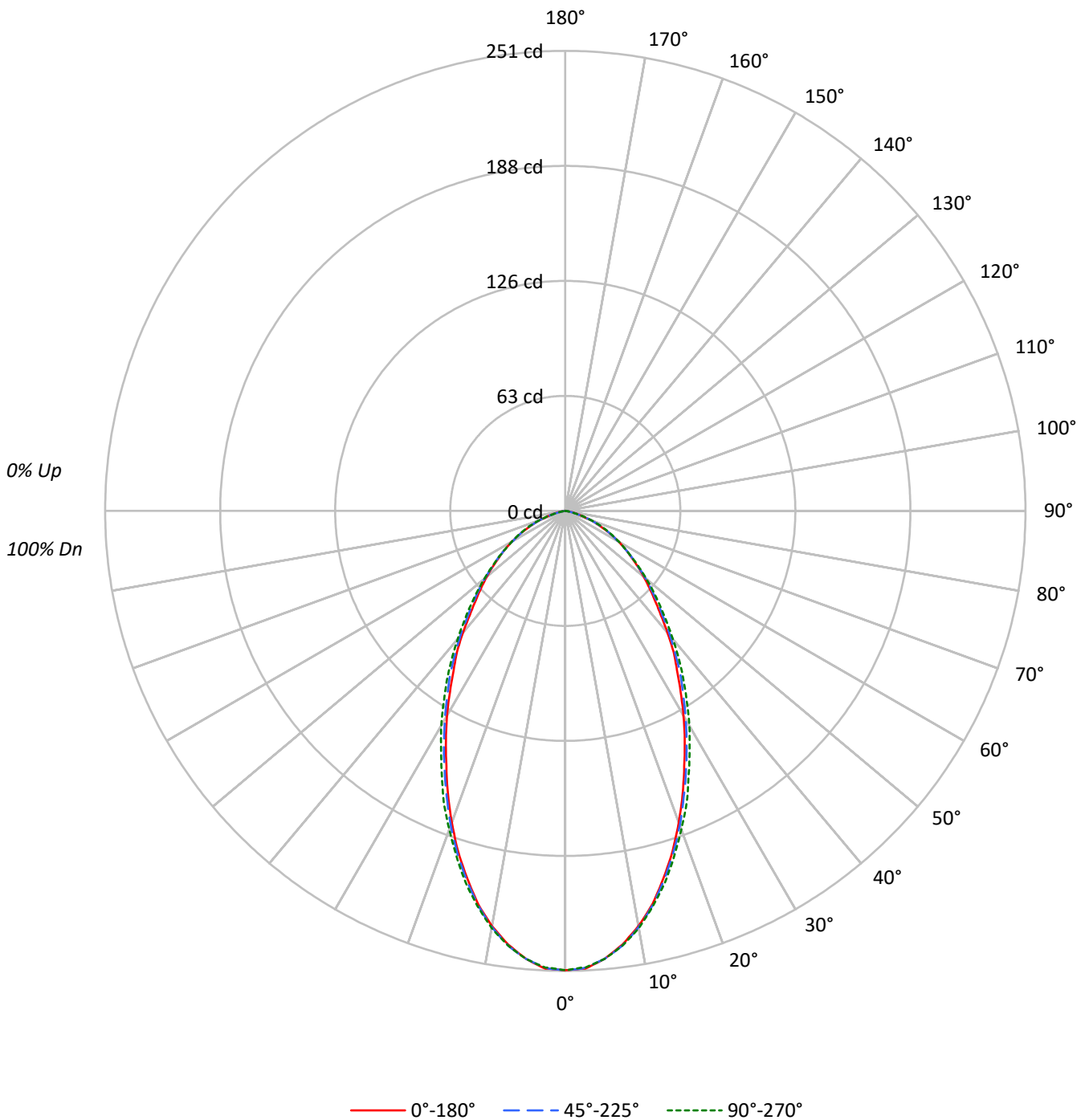
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 59.1 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): 5.9
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°	54952	54952	54952
5°	54017	54017	54017
10°	51213	51346	51480
15°	47038	47287	47673
20°	42214	42610	43147
25°	37139	37696	38518
30°	32663	33246	34258
35°	28429	29339	30089
40°	24847	25476	26135
45°	21429	22111	22669
50°	19070	19479	19650
55°	16783	17013	17013
60°	14780	14516	14780
65°	12141	12453	12712
70°	9489	9489	9873
75°	6270	5761	5761
80°	3662	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	6.6
10°-20°	58.2	16.7
20°-30°	71.8	20.6
30°-40°	68.4	19.6
40°-50°	55.3	15.9
50°-60°	39.8	11.4
60°-70°	23.9	6.8
70°-80°	8.0	2.3
80°-90°	0.7	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°	152.9	43.8
0°-40°	221.3	63.4
0°-60°	316.5	90.7
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	251	251	251	251	251	
5°	245	245	245	246	245	23
15°	207	208	208	209	210	58
25°	154	155	156	158	159	71
35°	106	107	110	112	112	67
45°	69	70	71	73	73	54
55°	44	44	44	44	44	40
65°	23	24	24	24	24	23
75°	7	7	7	7	7	8
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°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2°	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	249.4
2.5°	250.0	249.4	249.4	249.4	249.4	249.4	249.4	249.4	249.4	250.0	249.4
5°	245.4	245.4	245.4	245.4	245.4	245.4	245.4	245.4	246.0	245.4	245.4
7.5°	238.6	238.6	238.6	238.6	239.2	239.2	239.2	239.2	239.7	239.7	239.2
10°	230.0	230.0	230.0	230.0	230.6	230.6	231.2	230.6	230.6	231.2	231.2
12.5°	219.7	219.2	219.2	219.2	219.7	220.3	220.3	220.3	220.9	220.9	220.9
15°	207.2	207.2	207.2	207.8	207.8	208.3	208.9	208.9	209.5	209.5	210.0
17.5°	194.6	194.6	194.1	194.6	195.2	195.8	196.3	196.9	197.5	197.5	197.5
20°	180.9	180.4	180.9	181.5	182.1	182.6	183.2	184.4	184.9	184.9	184.9
22.5°	167.2	166.7	167.2	167.8	168.4	168.9	170.7	171.2	171.8	171.8	172.9
25°	153.5	153.5	154.1	154.7	155.2	155.8	157.0	158.1	158.7	159.2	159.2
27.5°	141.0	141.0	141.0	141.0	142.1	143.3	144.4	145.5	146.1	146.7	146.7
30°	129.0	128.4	128.4	129.0	130.1	131.3	132.4	133.6	134.1	134.7	135.3
32.5°	117.0	117.0	117.0	117.6	118.1	119.9	121.0	121.6	122.7	123.3	123.3
35°	106.2	106.2	106.2	107.3	108.4	109.6	110.2	111.3	112.4	112.4	112.4
37.5°	97.0	97.6	98.7	98.2	98.2	98.7	99.3	100.5	101.6	101.6	101.6
40°	86.8	87.3	87.9	87.3	87.9	89.0	89.6	90.2	90.8	91.3	91.3
42.5°	77.1	77.1	77.1	77.6	78.8	79.3	80.5	81.0	81.6	81.6	81.6
45°	69.1	69.1	69.6	70.2	70.8	71.3	71.9	72.5	73.1	73.1	73.1
47.5°	62.2	62.2	62.8	62.8	63.4	63.9	64.5	64.5	65.1	65.6	65.1
50°	55.9	55.9	55.9	56.5	56.5	57.1	57.1	57.6	57.6	57.6	57.6
52.5°	49.7	49.7	49.7	49.7	50.2	50.2	50.2	50.8	50.8	50.8	50.8
55°	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5
57.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
60°	33.7	33.7	33.7	33.7	33.7	33.1	33.7	33.7	33.7	33.7	33.7
62.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	29.1	29.1	29.1	29.1
65°	23.4	24.0	24.0	24.0	24.0	24.0	24.0	24.5	24.5	24.5	24.5
67.5°	18.8	19.4	19.4	19.4	19.4	19.4	19.4	19.4	20.0	20.0	20.0
70°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	15.4
72.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.8	10.8	10.8
75°	7.4	7.4	7.4	7.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	5.1	5.1	5.1	4.6	4.6	4.0	4.0	4.0	4.0	4.0	3.4
80°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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)