

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: P3ART09R70W2N902765DE010 E3CLSWW1MMS_6500K

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R70W2N902765DE010 E3CLSWW1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

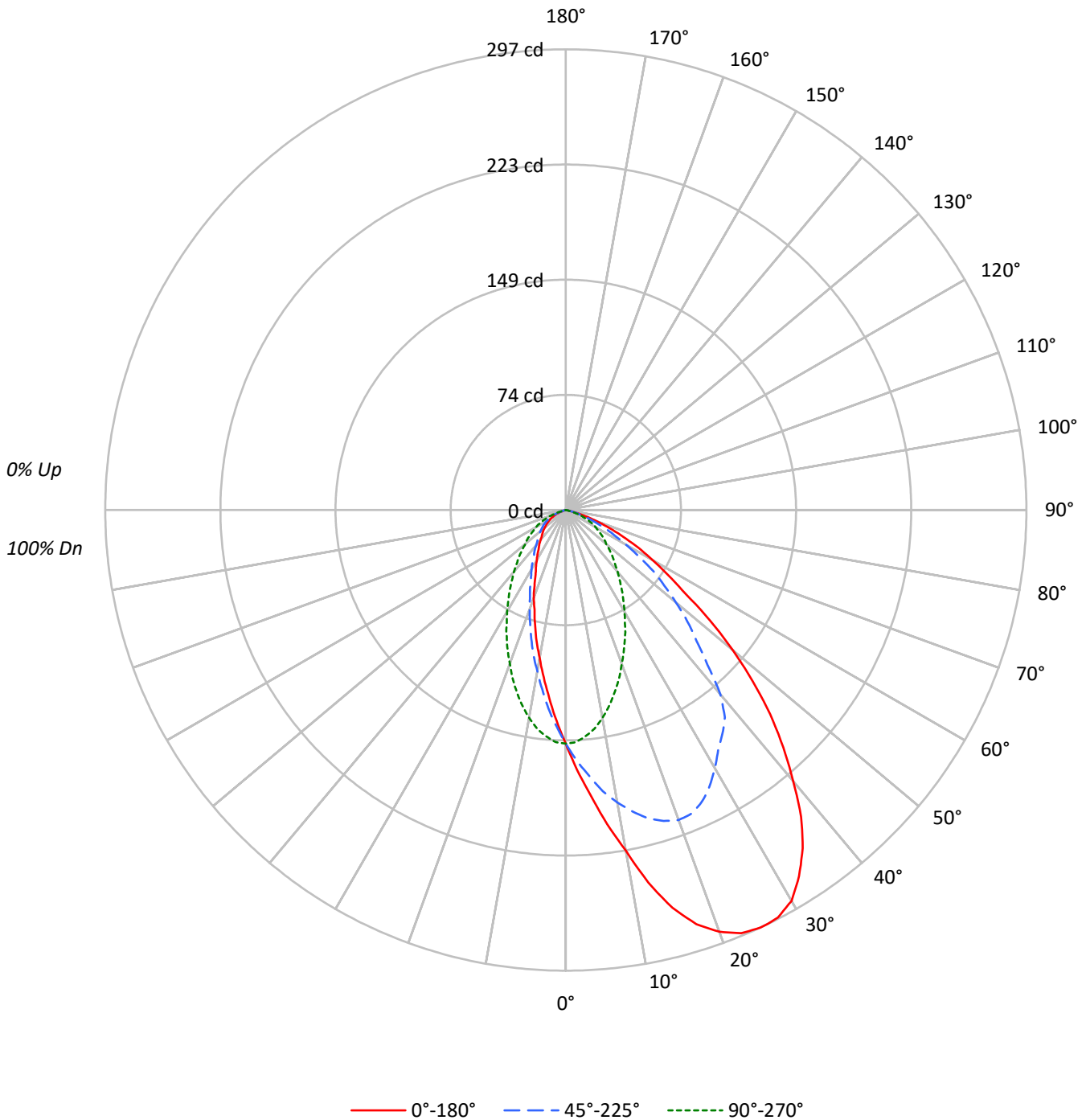
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	33024	33024	33024	33024	33024
5°	40634	37838	32225	28285	26788
10°	49632	42618	30304	23491	21598
15°	60273	46743	27628	19501	17389
20°	67509	49634	24619	15891	14095
25°	71859	50229	21824	13186	11105
30°	73682	48691	19168	11192	9470
35°	71286	47141	16865	9557	8191
40°	65265	44340	14856	8530	7299
45°	57773	36934	13180	7908	6605
50°	47896	31624	11599	7266	6106
55°	36090	26341	10743	6843	5543
60°	28375	19779	9692	6359	4868
65°	21170	14580	8406	5292	3995
70°	13656	9296	6027	3847	2180
75°	5761	5083	2881	1440	763
80°	1137	1137	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57773 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	4.8
10°-20°	41.1	13.7
20°-30°	60.1	20.0
30°-40°	65.5	21.8
40°-50°	56.7	18.9
50°-60°	38.0	12.7
60°-70°	19.6	6.5
70°-80°	4.7	1.6
80°-90°	0.0	0.0
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°	115.5	38.5
0°-40°	181.0	60.3
0°-60°	275.7	91.9
0°-90°	300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	300.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	185	172	146	128	122	19
15°	266	206	122	86	77	75
25°	297	208	90	54	46	136
35°	266	176	63	36	31	165
45°	186	119	42	26	21	143
55°	94	69	28	18	14	87
65°	41	28	16	10	8	41
75°	7	6	3	2	1	9
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
2.5°	167.6	166.8	166.8	165.1	163.4	161.7	159.1	156.6	154.0	151.5	149.8
5°	184.6	185.5	184.6	181.2	177.0	171.9	166.8	160.8	154.9	149.8	146.4
7.5°	204.2	204.2	201.7	197.4	191.4	182.9	174.4	164.2	154.9	146.4	142.1
10°	222.9	222.9	218.7	211.9	202.5	191.4	179.5	165.9	153.2	141.2	136.1
12.5°	245.9	245.1	239.9	228.9	215.3	199.1	182.9	165.9	150.6	136.1	129.3
15°	265.5	264.6	257.8	244.2	226.3	205.9	183.8	164.2	145.5	129.3	121.7
17.5°	279.9	278.2	270.6	256.1	235.7	210.2	184.6	160.8	139.5	121.7	114.0
20°	289.3	288.4	279.9	262.9	240.8	212.7	183.8	156.6	133.6	114.0	105.5
22.5°	295.3	293.6	285.0	266.3	240.8	211.9	180.4	150.6	125.9	106.4	97.9
25°	297.0	296.1	285.9	265.5	238.2	207.6	175.3	144.6	118.3	98.7	90.2
26°	297.0	296.1	285.9	264.6	236.5	205.1	172.7	142.1	115.7	95.3	87.6
27.5°	296.1	295.3	284.2	262.1	233.1	200.8	167.6	137.0	110.6	91.0	82.5
30°	291.0	289.3	278.2	256.1	225.5	192.3	159.1	129.3	103.0	83.4	75.7
32.5°	279.9	278.2	266.3	245.9	217.0	182.9	149.8	120.8	95.3	75.7	68.9
35°	266.3	264.6	252.7	233.1	205.1	176.1	139.5	111.5	86.8	69.8	63.0
37.5°	249.3	246.8	236.5	216.1	190.6	168.5	131.0	102.1	79.1	63.0	57.0
40°	228.0	227.2	217.8	199.1	173.6	154.9	125.9	102.1	72.3	57.0	51.9
42.5°	207.6	205.9	197.4	181.2	158.3	135.3	110.6	97.9	67.2	51.1	46.8
45°	186.3	184.6	177.0	163.4	142.1	119.1	119.1	84.2	57.9	46.8	42.5
47.5°	163.4	161.7	155.7	145.5	126.8	106.4	86.8	68.9	52.8	41.7	38.3
50°	140.4	141.2	136.1	125.9	111.5	92.7	74.9	57.9	45.1	37.4	34.0
52.5°	117.4	116.6	113.2	106.4	96.1	80.0	63.8	49.4	39.1	33.2	31.5
55°	94.4	95.3	93.6	89.3	80.8	68.9	53.6	42.5	34.9	29.8	28.1
57.5°	78.3	79.1	75.7	73.2	66.4	56.2	44.2	35.7	29.8	26.4	24.7
60°	64.7	65.5	63.0	59.6	54.5	45.1	35.7	29.8	26.4	23.8	22.1
62.5°	52.8	51.9	50.2	46.8	42.5	35.7	28.9	24.7	22.1	20.4	19.6
65°	40.8	40.8	39.1	36.6	33.2	28.1	23.0	20.4	18.7	17.0	16.2
67.5°	30.6	30.6	28.9	27.2	23.8	20.4	17.9	16.2	15.3	13.6	12.8
70°	21.3	21.3	20.4	19.6	17.0	14.5	13.6	11.9	11.1	10.2	9.4
72.5°	13.6	13.6	13.6	11.9	11.1	9.4	9.4	8.5	7.7	6.8	6.8
75°	6.8	7.7	6.8	6.8	6.0	6.0	5.1	5.1	4.3	4.3	3.4
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
2.5°	148.1	145.5	143.8	141.2	139.5	137.8	137.0	136.1	136.1	136.1
5°	143.8	139.5	135.3	131.0	128.5	125.9	123.4	122.5	121.7	121.7
7.5°	138.7	131.9	125.9	120.8	116.6	114.0	111.5	109.8	108.9	108.9
10°	131.9	123.4	116.6	109.8	105.5	102.1	100.4	97.9	97.9	97.0
12.5°	124.2	114.0	106.4	100.4	96.1	91.9	89.3	87.6	86.8	86.8
15°	115.7	105.5	97.0	90.2	85.9	81.7	79.1	77.4	76.6	76.6
17.5°	107.2	96.1	87.6	80.8	76.6	72.3	69.8	68.1	68.1	67.2
20°	98.7	87.6	79.1	72.3	68.1	64.7	62.1	60.4	59.6	60.4
22.5°	91.0	80.0	71.5	65.5	60.4	57.0	54.5	53.6	52.8	52.8
25°	82.5	72.3	64.7	58.7	54.5	51.1	48.5	47.6	46.8	45.9
26°	80.0	69.8	62.1	56.2	51.9	48.5	46.8	45.1	44.2	44.2
27.5°	76.6	65.5	58.7	52.8	48.5	45.9	43.4	42.5	41.7	41.7
30°	68.9	59.6	52.8	47.6	44.2	40.8	39.1	38.3	37.4	37.4
32.5°	63.0	53.6	47.6	43.4	40.0	37.4	35.7	34.0	34.0	34.0
35°	57.0	48.5	43.4	39.1	35.7	33.2	32.3	31.5	30.6	30.6
37.5°	51.9	44.2	39.1	35.7	33.2	30.6	28.9	28.1	28.1	28.1
40°	46.8	40.8	35.7	32.3	29.8	28.1	26.4	25.5	25.5	25.5
42.5°	42.5	36.6	33.2	29.8	27.2	25.5	24.7	23.8	23.0	23.0
45°	39.1	34.0	29.8	27.2	25.5	23.8	22.1	21.3	21.3	21.3
47.5°	34.9	31.5	27.2	24.7	23.0	21.3	20.4	19.6	19.6	19.6
50°	32.3	28.9	25.5	23.0	21.3	19.6	18.7	17.9	17.9	17.9
52.5°	28.9	26.4	23.8	21.3	19.6	17.9	17.0	16.2	16.2	16.2
55°	26.4	23.8	21.3	19.6	17.9	16.2	15.3	14.5	14.5	14.5
57.5°	23.8	21.3	19.6	17.9	16.2	15.3	13.6	13.6	12.8	12.8
60°	21.3	18.7	17.0	16.2	14.5	13.6	11.9	11.1	11.1	11.1
62.5°	17.9	17.0	15.3	13.6	11.9	11.1	10.2	9.4	9.4	9.4
65°	15.3	14.5	12.8	11.1	10.2	9.4	8.5	7.7	7.7	7.7
67.5°	12.8	11.1	10.2	9.4	8.5	7.7	6.8	6.0	5.1	6.0
70°	9.4	8.5	7.7	6.8	6.0	5.1	4.3	4.3	3.4	3.4
72.5°	6.0	5.1	5.1	4.3	3.4	3.4	2.6	2.6	1.7	1.7
75°	3.4	3.4	2.6	2.6	1.7	1.7	0.9	0.9	0.9	0.9
77.5°	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)