

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: P3ART13R709840DE010 E3CLDWW1MMS

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: P3ART13R709840DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

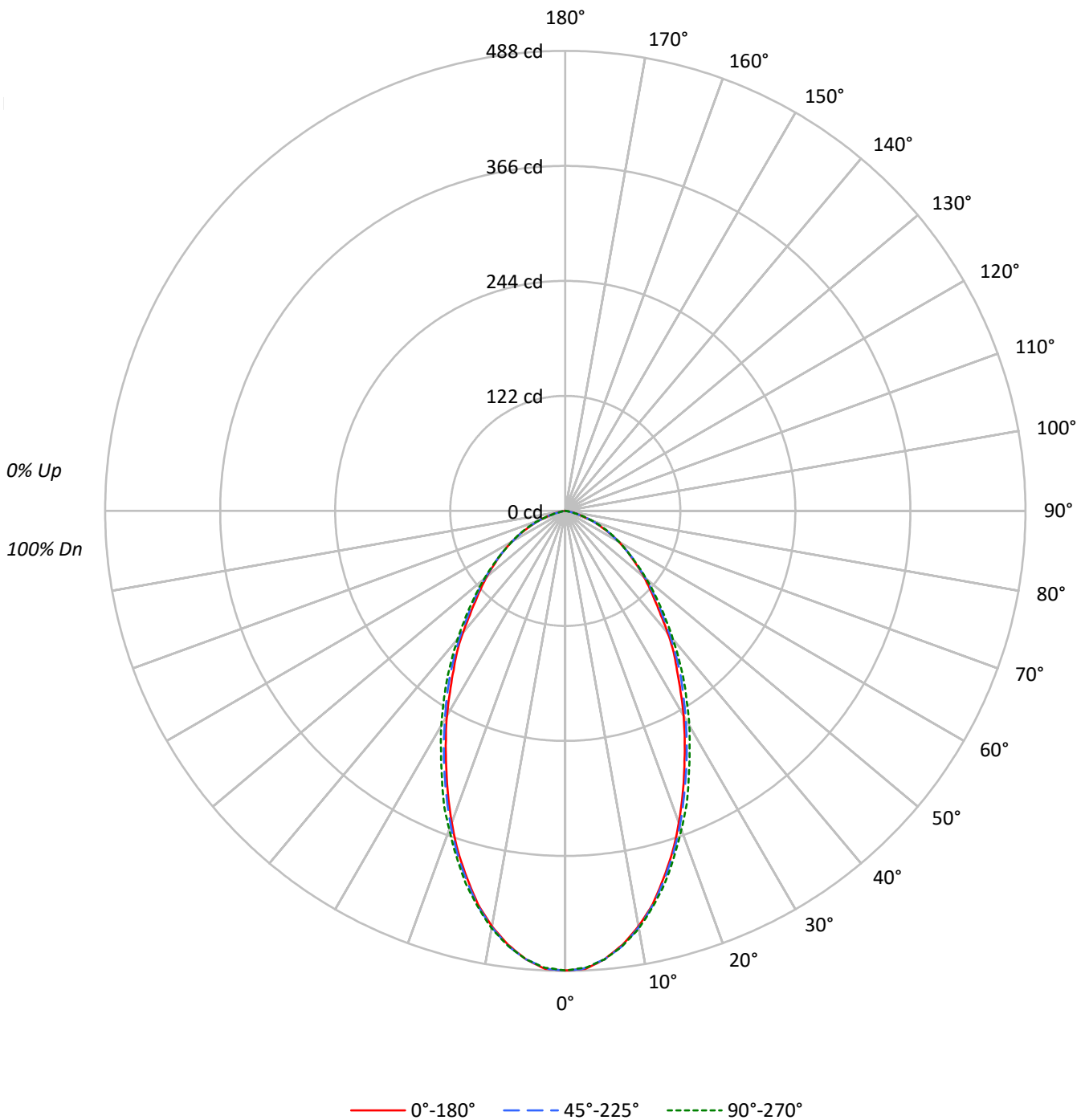
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 679.0 lumens
Efficiency: N/A
Efficacy: 46.8 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): 14.5
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°	106899	106899	106899
5°	105106	105106	105106
10°	99642	99887	100132
15°	91510	92010	92759
20°	82140	82911	83961
25°	72270	73359	74956
30°	63554	64668	66643
35°	55278	57072	58571
40°	48319	49579	50867
45°	41679	43043	44067
50°	37116	37867	38276
55°	32687	33108	33108
60°	28726	28243	28726
65°	23608	24179	24750
70°	18529	18529	19234
75°	12200	11268	11268
80°	7072	5556	4167
85°	2768	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 44067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	6.6
10°-20°	113.2	16.7
20°-30°	139.6	20.6
30°-40°	133.0	19.6
40°-50°	107.6	15.9
50°-60°	77.5	11.4
60°-70°	46.4	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°	297.5	43.8
0°-40°	430.5	63.4
0°-60°	615.7	90.7
0°-90°	679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	488	488	488	488	488	
5°	478	478	478	478	478	45
15°	403	404	405	407	409	113
25°	299	301	303	308	310	137
35°	206	208	213	217	219	130
45°	134	136	139	141	142	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°	487.5	487.5	487.5	487.5	487.5	487.5	487.5	487.5	487.5	487.5	487.5
2°	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	485.3
2.5°	486.4	485.3	485.3	485.3	485.3	485.3	485.3	485.3	485.3	486.4	485.3
5°	477.5	477.5	477.5	477.5	477.5	477.5	477.5	477.5	478.6	477.5	477.5
7.5°	464.2	464.2	464.2	464.2	465.3	465.3	465.3	465.3	466.4	466.4	465.3
10°	447.5	447.5	447.5	447.5	448.6	448.6	449.7	448.6	448.6	449.7	449.7
12.5°	427.5	426.4	426.4	426.4	427.5	428.6	428.6	428.6	429.7	429.7	429.7
15°	403.1	403.1	403.1	404.2	404.2	405.3	406.4	406.4	407.5	407.5	408.6
17.5°	378.7	378.7	377.6	378.7	379.8	380.9	382.0	383.1	384.2	384.2	384.2
20°	352.0	350.9	352.0	353.1	354.2	355.3	356.5	358.7	359.8	359.8	359.8
22.5°	325.4	324.3	325.4	326.5	327.6	328.7	332.0	333.1	334.2	334.2	336.5
25°	298.7	298.7	299.8	300.9	302.0	303.2	305.4	307.6	308.7	309.8	309.8
27.5°	274.3	274.3	274.3	274.3	276.5	278.7	280.9	283.2	284.3	285.4	285.4
30°	251.0	249.9	249.9	251.0	253.2	255.4	257.6	259.8	261.0	262.1	263.2
32.5°	227.6	227.6	227.6	228.8	229.9	233.2	235.4	236.5	238.7	239.9	239.9
35°	206.5	206.5	206.5	208.8	211.0	213.2	214.3	216.5	218.8	218.8	218.8
37.5°	188.8	189.9	192.1	191.0	191.0	192.1	193.2	195.4	197.7	197.7	197.7
40°	168.8	169.9	171.0	169.9	171.0	173.2	174.3	175.5	176.6	177.7	177.7
42.5°	149.9	149.9	149.9	151.0	153.2	154.4	156.6	157.7	158.8	158.8	158.8
45°	134.4	134.4	135.5	136.6	137.7	138.8	139.9	141.0	142.1	142.1	142.1
47.5°	121.0	121.0	122.2	122.2	123.3	124.4	125.5	125.5	126.6	127.7	126.6
50°	108.8	108.8	108.8	109.9	109.9	111.0	111.0	112.2	112.2	112.2	112.2
52.5°	96.6	96.6	96.6	96.6	97.7	97.7	97.7	98.8	98.8	98.8	98.8
55°	85.5	85.5	85.5	85.5	85.5	86.6	86.6	86.6	86.6	86.6	86.6
57.5°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
60°	65.5	65.5	65.5	65.5	65.5	64.4	65.5	65.5	65.5	65.5	65.5
62.5°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	56.6	56.6	56.6	56.6
65°	45.5	46.6	46.6	46.6	46.6	46.6	46.6	47.7	47.7	47.7	47.7
67.5°	36.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.9	38.9	38.9
70°	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	30.0
72.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.1	21.1	21.1
75°	14.4	14.4	14.4	14.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3
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	4.4	4.4	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)