

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: P1446053

Luminaire Tested: P3ART13R709040DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446053
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: P3ART13R709040DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

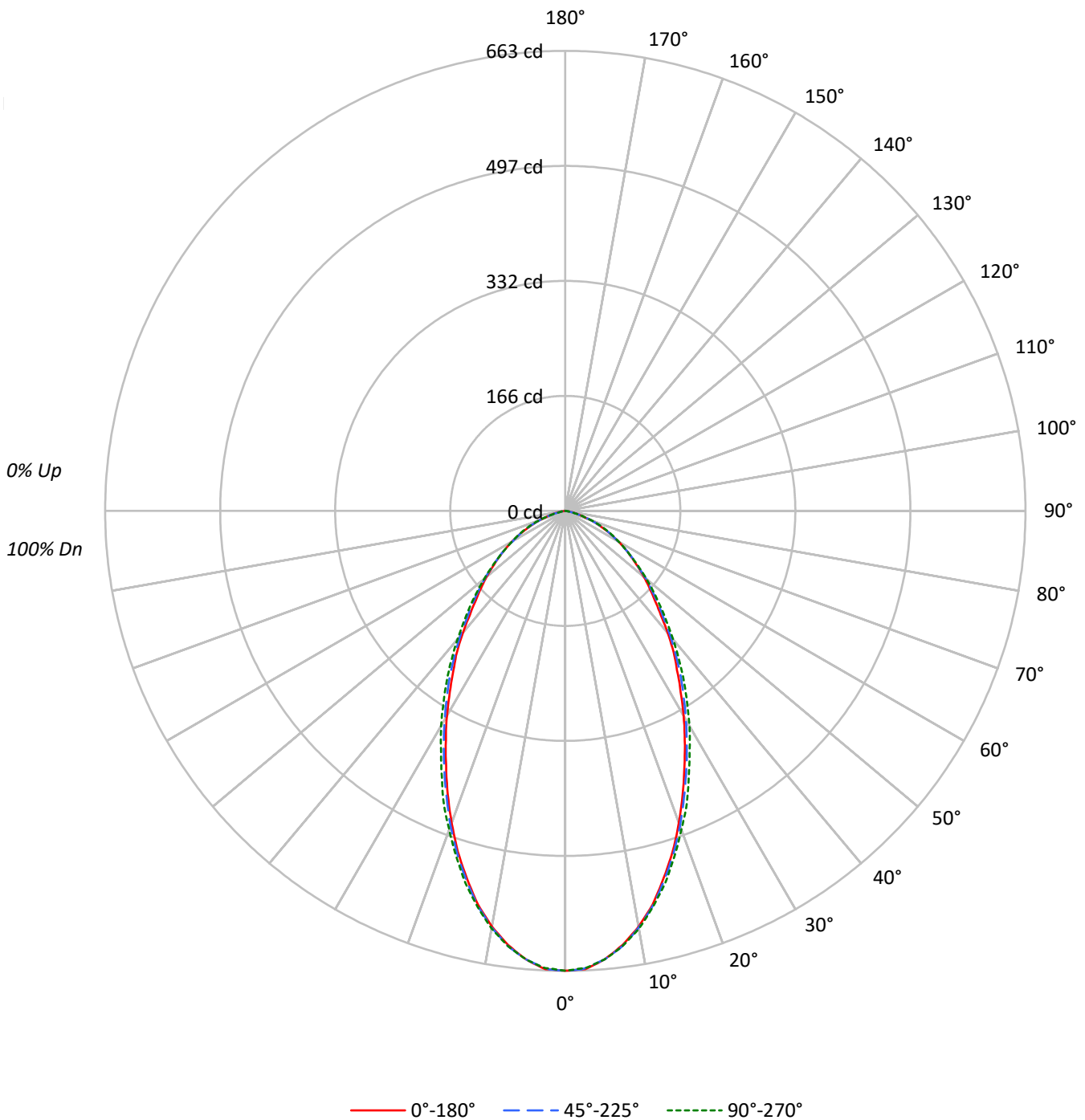
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 923.0 lumens
Efficiency: N/A
Efficacy: 63.2 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): 14.6
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°	145317	145317	145317
5°	142879	142879	142879
10°	135446	135780	136114
15°	124382	125086	126107
20°	111660	112710	114133
25°	98256	99707	101909
30°	86368	87912	90596
35°	75168	77577	79612
40°	65666	67412	69130
45°	56626	58518	59913
50°	50455	51512	52024
55°	44424	44997	44997
60°	39076	38418	39076
65°	32118	32896	33674
70°	25132	25132	26158
75°	16606	15335	15335
80°	9471	7577	5683
85°	3774	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 59913 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	6.6
10°-20°	153.9	16.7
20°-30°	189.8	20.6
30°-40°	180.9	19.6
40°-50°	146.3	15.9
50°-60°	105.4	11.4
60°-70°	63.1	6.8
70°-80°	21.1	2.3
80°-90°	1.8	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°	404.4	43.8
0°-40°	585.3	63.4
0°-60°	836.9	90.7
0°-90°	923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	649	649	649	649	649	61
15°	548	549	551	553	556	153
25°	406	409	412	418	421	187
35°	281	283	290	295	297	176
45°	183	185	189	192	193	142
55°	116	116	118	118	118	105
65°	62	63	63	65	65	62
75°	20	20	18	18	18	22
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°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7
2°	661.2	661.2	661.2	661.2	661.2	661.2	661.2	661.2	661.2	661.2	659.7
2.5°	661.2	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	661.2	659.7
5°	649.1	649.1	649.1	649.1	649.1	649.1	649.1	649.1	650.6	649.1	649.1
7.5°	631.0	631.0	631.0	631.0	632.5	632.5	632.5	632.5	634.0	634.0	632.5
10°	608.3	608.3	608.3	608.3	609.8	609.8	611.3	609.8	609.8	611.3	611.3
12.5°	581.2	579.6	579.6	579.6	581.2	582.7	582.7	582.7	584.2	584.2	584.2
15°	547.9	547.9	547.9	549.5	549.5	551.0	552.5	552.5	554.0	554.0	555.5
17.5°	514.7	514.7	513.2	514.7	516.2	517.8	519.3	520.8	522.3	522.3	522.3
20°	478.5	477.0	478.5	480.0	481.5	483.0	484.5	487.6	489.1	489.1	489.1
22.5°	442.3	440.8	442.3	443.8	445.3	446.8	451.3	452.9	454.4	454.4	457.4
25°	406.1	406.1	407.6	409.1	410.6	412.1	415.1	418.1	419.6	421.2	421.2
27.5°	372.8	372.8	372.8	372.8	375.9	378.9	381.9	384.9	386.4	387.9	387.9
30°	341.1	339.6	339.6	341.1	344.2	347.2	350.2	353.2	354.7	356.2	357.8
32.5°	309.4	309.4	309.4	311.0	312.5	317.0	320.0	321.5	324.5	326.1	326.1
35°	280.8	280.8	280.8	283.8	286.8	289.8	291.3	294.4	297.4	297.4	297.4
37.5°	256.6	258.1	261.1	259.6	259.6	261.1	262.7	265.7	268.7	268.7	268.7
40°	229.4	231.0	232.5	231.0	232.5	235.5	237.0	238.5	240.0	241.5	241.5
42.5°	203.8	203.8	203.8	205.3	208.3	209.8	212.8	214.3	215.9	215.9	215.9
45°	182.6	182.6	184.2	185.7	187.2	188.7	190.2	191.7	193.2	193.2	193.2
47.5°	164.5	164.5	166.0	166.0	167.6	169.1	170.6	170.6	172.1	173.6	172.1
50°	147.9	147.9	147.9	149.4	149.4	151.0	151.0	152.5	152.5	152.5	152.5
52.5°	131.3	131.3	131.3	131.3	132.8	132.8	132.8	134.3	134.3	134.3	134.3
55°	116.2	116.2	116.2	116.2	116.2	117.7	117.7	117.7	117.7	117.7	117.7
57.5°	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.6
60°	89.1	89.1	89.1	89.1	89.1	87.6	89.1	89.1	89.1	89.1	89.1
62.5°	75.5	75.5	75.5	75.5	75.5	75.5	75.5	77.0	77.0	77.0	77.0
65°	61.9	63.4	63.4	63.4	63.4	63.4	63.4	64.9	64.9	64.9	64.9
67.5°	49.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	52.8	52.8	52.8
70°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	40.8
72.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	28.7	28.7	28.7
75°	19.6	19.6	19.6	19.6	18.1	18.1	18.1	18.1	18.1	18.1	18.1
77.5°	13.6	13.6	13.6	12.1	12.1	10.6	10.6	10.6	10.6	10.6	9.1
80°	7.5	7.5	7.5	7.5	7.5	6.0	6.0	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	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)