

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: P3ART13R709830DE010 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: P3ART13R709830DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

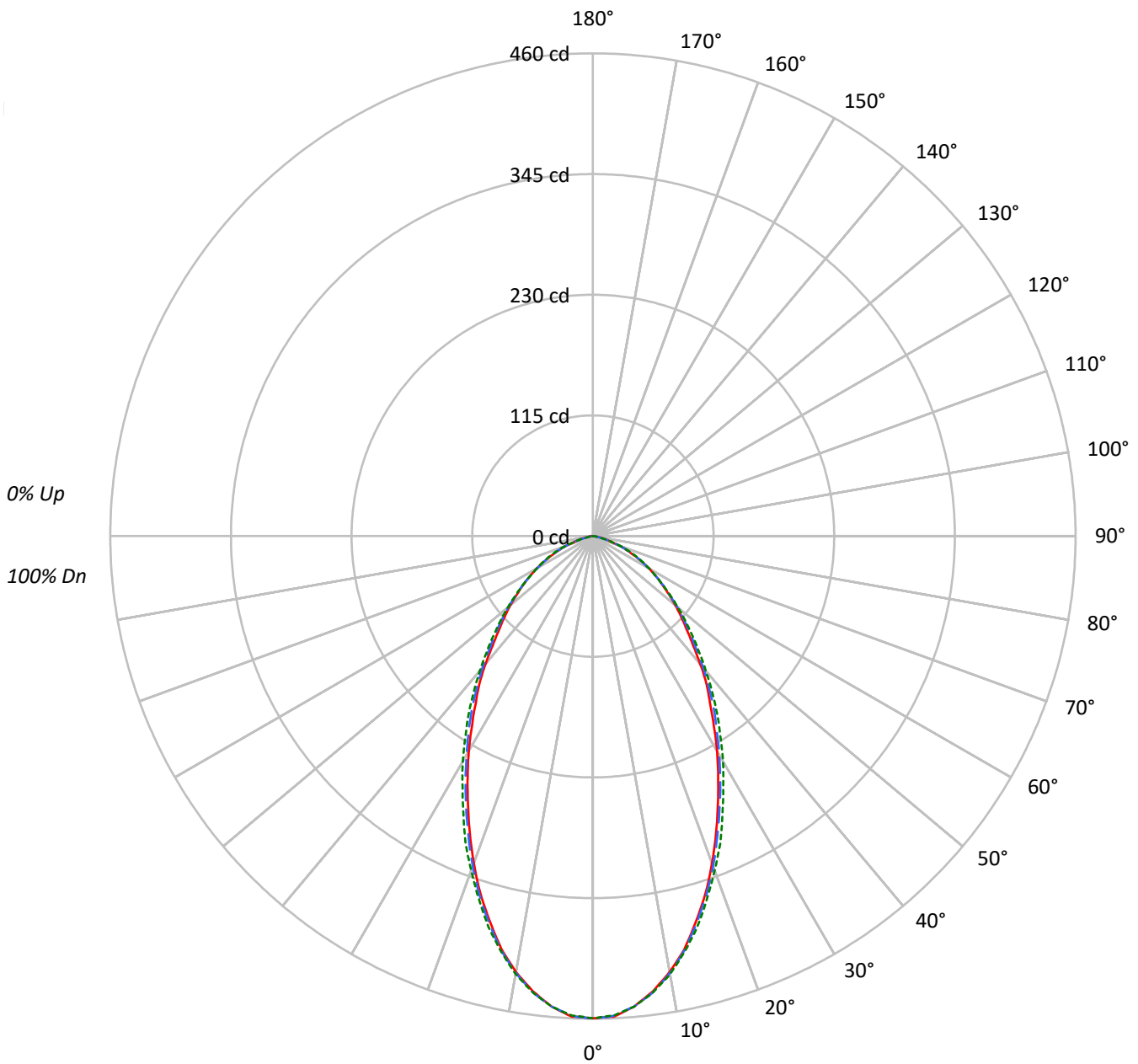
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 44.1 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): 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

TEST NUMBER: P#
CATALOG NUMBER: P3ART13R709830DE010 E3CLDWW1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R709830DE010 E3CLDWW1MMS

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°	100759	100759	100759
5°	99075	99075	99075
10°	93919	94164	94387
15°	86243	86720	87447
20°	77427	78150	79130
25°	68133	69125	70649
30°	59883	60946	62820
35°	52120	53806	55198
40°	45542	46745	47947
45°	39260	40562	41555
50°	35001	35717	36059
55°	30814	31196	31196
60°	27103	26621	27103
65°	22259	22830	23349
70°	17439	17439	18144
75°	11522	10675	10675
80°	6566	5304	3915
85°	2516	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 41555 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R709830DE010 E3CLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	6.6
10°-20°	106.7	16.7
20°-30°	131.6	20.6
30°-40°	125.4	19.6
40°-50°	101.5	15.9
50°-60°	73.1	11.4
60°-70°	43.8	6.8
70°-80°	14.6	2.3
80°-90°	1.2	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°	280.4	43.8
0°-40°	405.8	63.4
0°-60°	580.3	90.7
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	450	450	450	450	450	42
15°	380	381	382	383	385	106
25°	282	283	286	290	292	130
35°	195	196	201	205	206	122
45°	127	128	131	133	134	99
55°	81	81	82	82	82	73
65°	43	44	44	45	45	43
75°	14	14	13	13	13	15
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R709830DE010 E3CLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5	459.5
2°	458.4	458.4	458.4	458.4	458.4	458.4	458.4	458.4	458.4	458.4	457.4
2.5°	458.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4	457.4	458.4	457.4
5°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	451.1	450.1	450.1
7.5°	437.5	437.5	437.5	437.5	438.6	438.6	438.6	438.6	439.6	439.6	438.6
10°	421.8	421.8	421.8	421.8	422.9	422.9	423.9	422.9	422.9	423.9	423.9
12.5°	403.0	401.9	401.9	401.9	403.0	404.0	404.0	404.0	405.1	405.1	405.1
15°	379.9	379.9	379.9	381.0	381.0	382.0	383.1	383.1	384.1	384.1	385.2
17.5°	356.9	356.9	355.9	356.9	358.0	359.0	360.1	361.1	362.1	362.1	362.1
20°	331.8	330.7	331.8	332.8	333.9	334.9	336.0	338.1	339.1	339.1	339.1
22.5°	306.7	305.6	306.7	307.7	308.8	309.8	313.0	314.0	315.0	315.0	317.1
25°	281.6	281.6	282.6	283.6	284.7	285.7	287.8	289.9	291.0	292.0	292.0
27.5°	258.5	258.5	258.5	258.5	260.6	262.7	264.8	266.9	267.9	269.0	269.0
30°	236.5	235.5	235.5	236.5	238.6	240.7	242.8	244.9	246.0	247.0	248.1
32.5°	214.6	214.6	214.6	215.6	216.7	219.8	221.9	222.9	225.0	226.1	226.1
35°	194.7	194.7	194.7	196.8	198.9	201.0	202.0	204.1	206.2	206.2	206.2
37.5°	177.9	179.0	181.1	180.0	180.0	181.1	182.1	184.2	186.3	186.3	186.3
40°	159.1	160.1	161.2	160.1	161.2	163.3	164.3	165.4	166.4	167.5	167.5
42.5°	141.3	141.3	141.3	142.3	144.4	145.5	147.6	148.6	149.7	149.7	149.7
45°	126.6	126.6	127.7	128.7	129.8	130.8	131.9	132.9	134.0	134.0	134.0
47.5°	114.1	114.1	115.1	115.1	116.2	117.2	118.3	118.3	119.3	120.4	119.3
50°	102.6	102.6	102.6	103.6	103.6	104.7	104.7	105.7	105.7	105.7	105.7
52.5°	91.1	91.1	91.1	91.1	92.1	92.1	92.1	93.2	93.2	93.2	93.2
55°	80.6	80.6	80.6	80.6	80.6	81.6	81.6	81.6	81.6	81.6	81.6
57.5°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
60°	61.8	61.8	61.8	61.8	61.8	60.7	61.8	61.8	61.8	61.8	61.8
62.5°	52.3	52.3	52.3	52.3	52.3	52.3	52.3	53.4	53.4	53.4	53.4
65°	42.9	44.0	44.0	44.0	44.0	44.0	44.0	45.0	45.0	45.0	45.0
67.5°	34.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	36.6	36.6	36.6
70°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	28.3
72.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.9	19.9	19.9
75°	13.6	13.6	13.6	13.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	9.4	9.4	9.4	8.4	8.4	7.3	7.3	7.3	7.3	7.3	6.3
80°	5.2	5.2	5.2	5.2	5.2	4.2	4.2	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	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

(END OF REPORT)