

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: P1445664

Luminaire Tested: P3ART13R709027DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445664
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: P3ART13R709027DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

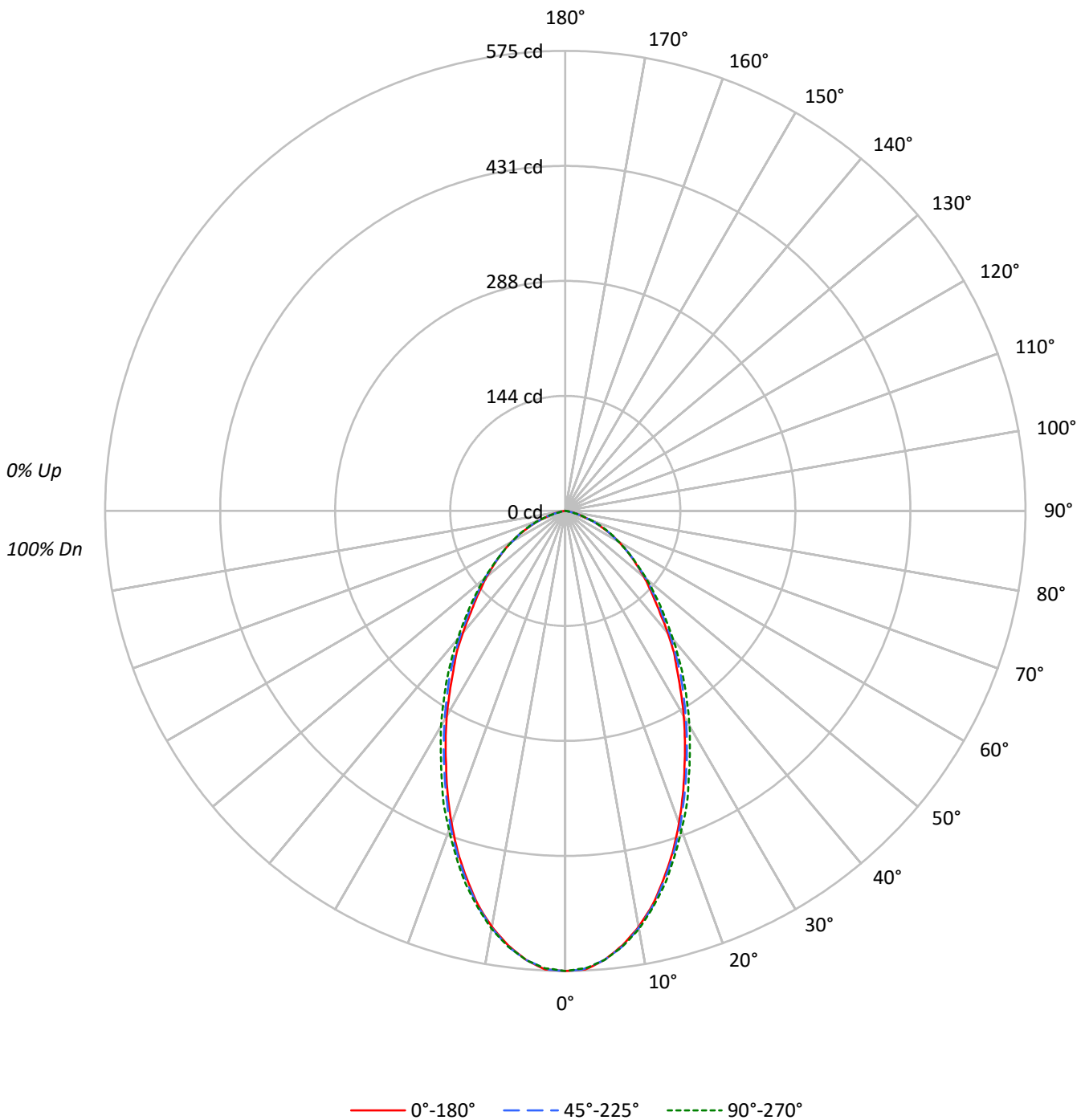
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 54.9 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	126108	126108	126108
5°	123993	123993	123993
10°	117544	117833	118123
15°	107946	108536	109444
20°	96912	97822	99035
25°	85263	86521	88433
30°	74974	76290	78620
35°	65237	67325	69091
40°	56992	58510	59998
45°	49152	50765	52005
50°	43802	44689	45133
55°	38574	39071	39071
60°	33901	33331	33901
65°	27863	28537	29212
70°	21863	21863	22696
75°	14403	13302	13302
80°	8208	6566	4925
85°	3271	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 52005 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	6.6
10°-20°	133.5	16.7
20°-30°	164.7	20.6
30°-40°	157.0	19.6
40°-50°	127.0	15.9
50°-60°	91.5	11.4
60°-70°	54.8	6.8
70°-80°	18.3	2.3
80°-90°	1.5	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°	350.9	43.8
0°-40°	507.9	63.4
0°-60°	726.3	90.7
0°-90°	801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	575	575	575	575	575	
5°	563	563	563	564	563	53
15°	476	476	478	480	482	133
25°	352	355	358	363	366	162
35°	244	246	252	256	258	153
45°	158	161	164	167	168	124
55°	101	101	102	102	102	91
65°	54	55	55	56	56	54
75°	17	17	16	16	16	19
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°	575.1	575.1	575.1	575.1	575.1	575.1	575.1	575.1	575.1	575.1	575.1
2°	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	572.5
2.5°	573.8	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5	573.8	572.5
5°	563.3	563.3	563.3	563.3	563.3	563.3	563.3	563.3	564.6	563.3	563.3
7.5°	547.6	547.6	547.6	547.6	548.9	548.9	548.9	548.9	550.2	550.2	548.9
10°	527.9	527.9	527.9	527.9	529.2	529.2	530.5	529.2	529.2	530.5	530.5
12.5°	504.3	503.0	503.0	503.0	504.3	505.7	505.7	505.7	507.0	507.0	507.0
15°	475.5	475.5	475.5	476.8	476.8	478.1	479.5	479.5	480.8	480.8	482.1
17.5°	446.7	446.7	445.4	446.7	448.0	449.3	450.6	451.9	453.3	453.3	453.3
20°	415.3	414.0	415.3	416.6	417.9	419.2	420.5	423.1	424.4	424.4	424.4
22.5°	383.8	382.5	383.8	385.1	386.4	387.8	391.7	393.0	394.3	394.3	396.9
25°	352.4	352.4	353.7	355.0	356.3	357.6	360.2	362.9	364.2	365.5	365.5
27.5°	323.6	323.6	323.6	323.6	326.2	328.8	331.4	334.0	335.4	336.7	336.7
30°	296.1	294.7	294.7	296.1	298.7	301.3	303.9	306.5	307.8	309.2	310.5
32.5°	268.5	268.5	268.5	269.9	271.2	275.1	277.7	279.0	281.6	283.0	283.0
35°	243.7	243.7	243.7	246.3	248.9	251.5	252.8	255.4	258.1	258.1	258.1
37.5°	222.7	224.0	226.6	225.3	225.3	226.6	227.9	230.6	233.2	233.2	233.2
40°	199.1	200.4	201.7	200.4	201.7	204.4	205.7	207.0	208.3	209.6	209.6
42.5°	176.8	176.8	176.8	178.2	180.8	182.1	184.7	186.0	187.3	187.3	187.3
45°	158.5	158.5	159.8	161.1	162.4	163.7	165.1	166.4	167.7	167.7	167.7
47.5°	142.8	142.8	144.1	144.1	145.4	146.7	148.0	148.0	149.3	150.6	149.3
50°	128.4	128.4	128.4	129.7	129.7	131.0	131.0	132.3	132.3	132.3	132.3
52.5°	114.0	114.0	114.0	114.0	115.3	115.3	115.3	116.6	116.6	116.6	116.6
55°	100.9	100.9	100.9	100.9	100.9	102.2	102.2	102.2	102.2	102.2	102.2
57.5°	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
60°	77.3	77.3	77.3	77.3	77.3	76.0	77.3	77.3	77.3	77.3	77.3
62.5°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	66.8	66.8	66.8	66.8
65°	53.7	55.0	55.0	55.0	55.0	55.0	55.0	56.3	56.3	56.3	56.3
67.5°	43.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.8	45.8	45.8
70°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	35.4
72.5°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.9	24.9	24.9
75°	17.0	17.0	17.0	17.0	15.7	15.7	15.7	15.7	15.7	15.7	15.7
77.5°	11.8	11.8	11.8	10.5	10.5	9.2	9.2	9.2	9.2	9.2	7.9
80°	6.5	6.5	6.5	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	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)