

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: P3ART09R709835DE010 E3LDWW1H

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: P3ART09R709835DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

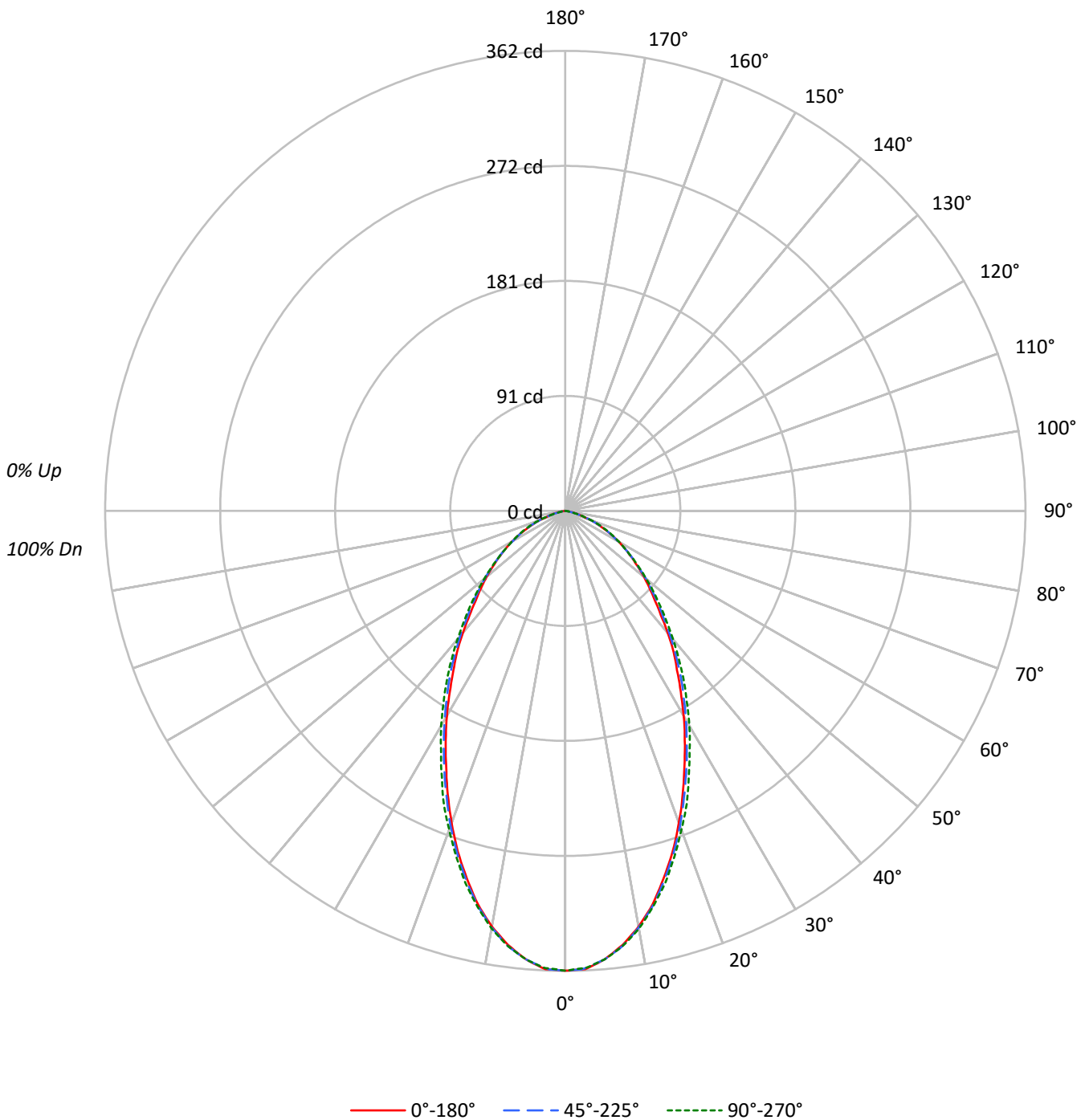
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 503.9 lumens
Efficiency: N/A
Efficacy: 45.8 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): 11
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	44	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°	79336	79336	79336
5°	78010	78010	78010
10°	73969	74147	74325
15°	67923	68309	68854
20°	60975	61559	62329
25°	53640	54439	55648
30°	47172	48007	49451
35°	41037	42376	43473
40°	35867	36812	37756
45°	30918	31941	32717
50°	27564	28110	28383
55°	24276	24582	24582
60°	21314	20963	21314
65°	17538	17953	18368
70°	13720	13720	14297
75°	9065	8388	8388
80°	5177	4167	3157
85°	2013	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 32717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	6.6
10°-20°	84.0	16.7
20°-30°	103.6	20.6
30°-40°	98.8	19.6
40°-50°	79.9	15.9
50°-60°	57.5	11.4
60°-70°	34.4	6.8
70°-80°	11.5	2.3
80°-90°	1.0	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°	220.8	43.8
0°-40°	319.6	63.4
0°-60°	457.0	90.7
0°-90°	503.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	362	362	362	362	362	
5°	354	354	354	355	354	33
15°	299	300	301	302	303	84
25°	222	223	225	228	230	102
35°	153	155	158	161	162	96
45°	100	101	103	105	106	78
55°	64	64	64	64	64	57
65°	34	35	35	35	35	34
75°	11	11	10	10	10	12
85°	1	1	0	0	0	1
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°	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8	361.8
2°	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	360.2
2.5°	361.0	360.2	360.2	360.2	360.2	360.2	360.2	360.2	360.2	361.0	360.2
5°	354.4	354.4	354.4	354.4	354.4	354.4	354.4	354.4	355.3	354.4	354.4
7.5°	344.5	344.5	344.5	344.5	345.4	345.4	345.4	345.4	346.2	346.2	345.4
10°	332.2	332.2	332.2	332.2	333.0	333.0	333.8	333.0	333.0	333.8	333.8
12.5°	317.3	316.5	316.5	316.5	317.3	318.2	318.2	318.2	319.0	319.0	319.0
15°	299.2	299.2	299.2	300.0	300.0	300.9	301.7	301.7	302.5	302.5	303.3
17.5°	281.1	281.1	280.2	281.1	281.9	282.7	283.5	284.4	285.2	285.2	285.2
20°	261.3	260.5	261.3	262.1	262.9	263.8	264.6	266.2	267.1	267.1	267.1
22.5°	241.5	240.7	241.5	242.3	243.2	244.0	246.5	247.3	248.1	248.1	249.7
25°	221.7	221.7	222.5	223.4	224.2	225.0	226.7	228.3	229.1	230.0	230.0
27.5°	203.6	203.6	203.6	203.6	205.2	206.9	208.5	210.2	211.0	211.8	211.8
30°	186.3	185.5	185.5	186.3	187.9	189.6	191.2	192.9	193.7	194.5	195.3
32.5°	169.0	169.0	169.0	169.8	170.6	173.1	174.7	175.6	177.2	178.0	178.0
35°	153.3	153.3	153.3	155.0	156.6	158.3	159.1	160.7	162.4	162.4	162.4
37.5°	140.1	140.9	142.6	141.8	141.8	142.6	143.4	145.1	146.7	146.7	146.7
40°	125.3	126.1	126.9	126.1	126.9	128.6	129.4	130.2	131.1	131.9	131.9
42.5°	111.3	111.3	111.3	112.1	113.7	114.6	116.2	117.0	117.9	117.9	117.9
45°	99.7	99.7	100.6	101.4	102.2	103.0	103.9	104.7	105.5	105.5	105.5
47.5°	89.8	89.8	90.7	90.7	91.5	92.3	93.1	93.1	94.0	94.8	94.0
50°	80.8	80.8	80.8	81.6	81.6	82.4	82.4	83.2	83.2	83.2	83.2
52.5°	71.7	71.7	71.7	71.7	72.5	72.5	72.5	73.4	73.4	73.4	73.4
55°	63.5	63.5	63.5	63.5	63.5	64.3	64.3	64.3	64.3	64.3	64.3
57.5°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
60°	48.6	48.6	48.6	48.6	48.6	47.8	48.6	48.6	48.6	48.6	48.6
62.5°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	42.0	42.0	42.0	42.0
65°	33.8	34.6	34.6	34.6	34.6	34.6	34.6	35.4	35.4	35.4	35.4
67.5°	27.2	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.8	28.8	28.8
70°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	22.3
72.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	15.7	15.7	15.7
75°	10.7	10.7	10.7	10.7	9.9	9.9	9.9	9.9	9.9	9.9	9.9
77.5°	7.4	7.4	7.4	6.6	6.6	5.8	5.8	5.8	5.8	5.8	4.9
80°	4.1	4.1	4.1	4.1	4.1	3.3	3.3	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)