

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: P3ART09R709827DE010 E3CLDWW1MW

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: P3ART09R709827DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

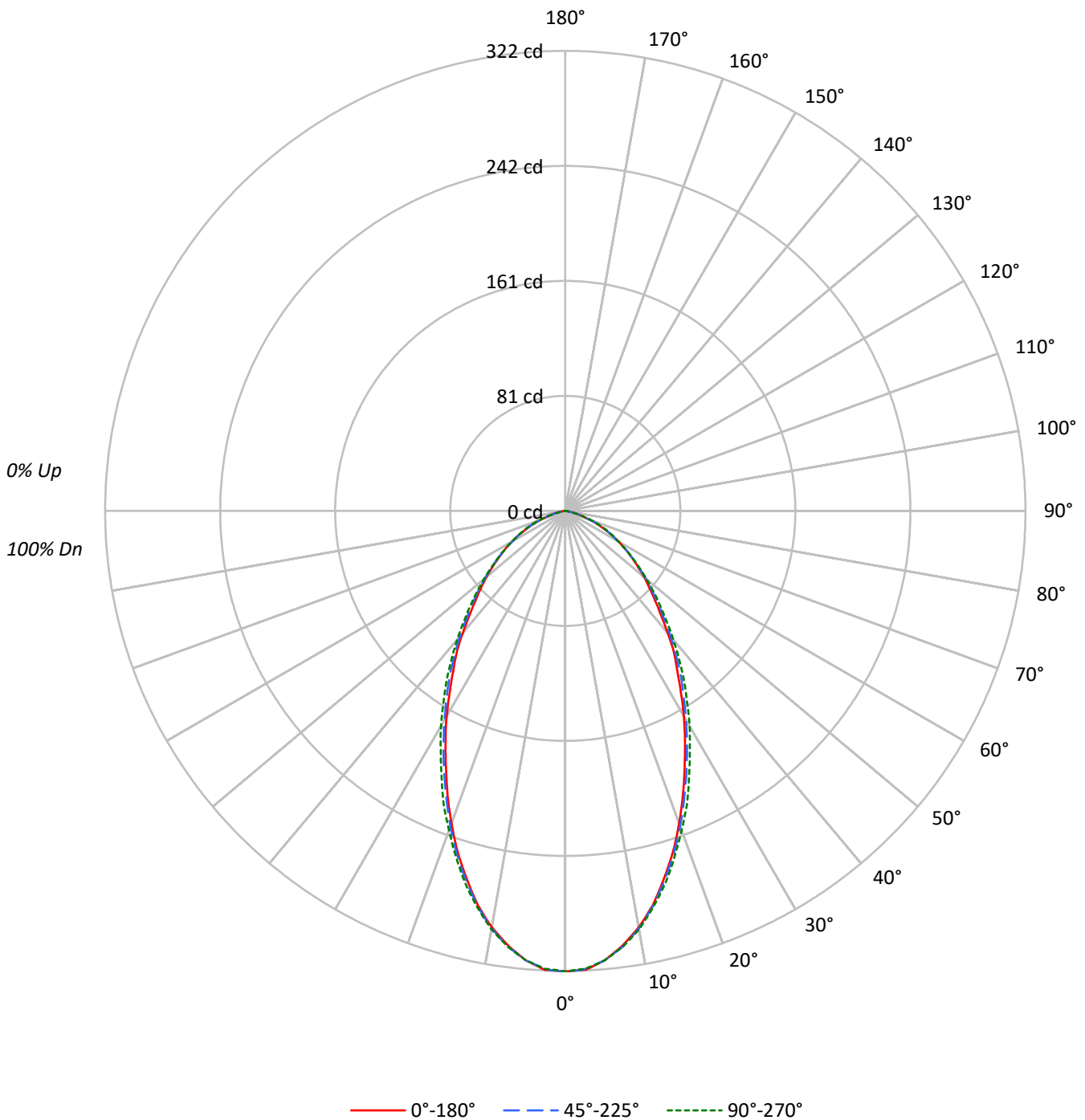
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 40.8 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70696	70696	70696
5°	69513	69513	69513
10°	65886	66064	66220
15°	60522	60840	61340
20°	54325	54838	55515
25°	47785	48511	49575
30°	42032	42766	44057
35°	36567	37745	38735
40°	31946	32804	33634
45°	27569	28468	29150
50°	24562	25040	25313
55°	21600	21906	21906
60°	18990	18683	18990
65°	15618	15981	16396
70°	12246	12246	12694
75°	8049	7456	7456
80°	4672	3662	2778
85°	1761	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 29150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	6.6
10°-20°	74.9	16.7
20°-30°	92.3	20.6
30°-40°	88.0	19.6
40°-50°	71.2	15.9
50°-60°	51.3	11.4
60°-70°	30.7	6.8
70°-80°	10.3	2.3
80°-90°	0.9	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°	196.7	43.8
0°-40°	284.7	63.4
0°-60°	407.1	90.7
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	322	322	322	322	322	
5°	316	316	316	316	316	29
15°	267	267	268	269	270	74
25°	198	199	200	204	205	91
35°	137	138	141	144	145	86
45°	89	90	92	93	94	69
55°	56	56	57	57	57	51
65°	30	31	31	32	32	30
75°	10	10	9	9	9	11
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°	322.4	322.4	322.4	322.4	322.4	322.4	322.4	322.4	322.4	322.4	322.4
2°	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	321.6	320.9
2.5°	321.6	320.9	320.9	320.9	320.9	320.9	320.9	320.9	320.9	321.6	320.9
5°	315.8	315.8	315.8	315.8	315.8	315.8	315.8	315.8	316.5	315.8	315.8
7.5°	306.9	306.9	306.9	306.9	307.7	307.7	307.7	307.7	308.4	308.4	307.7
10°	295.9	295.9	295.9	295.9	296.7	296.7	297.4	296.7	296.7	297.4	297.4
12.5°	282.7	282.0	282.0	282.0	282.7	283.4	283.4	283.4	284.2	284.2	284.2
15°	266.6	266.6	266.6	267.3	267.3	268.0	268.8	268.8	269.5	269.5	270.2
17.5°	250.4	250.4	249.7	250.4	251.1	251.9	252.6	253.3	254.1	254.1	254.1
20°	232.8	232.0	232.8	233.5	234.2	235.0	235.7	237.2	237.9	237.9	237.9
22.5°	215.2	214.4	215.2	215.9	216.6	217.4	219.6	220.3	221.0	221.0	222.5
25°	197.5	197.5	198.3	199.0	199.7	200.5	201.9	203.4	204.1	204.9	204.9
27.5°	181.4	181.4	181.4	181.4	182.8	184.3	185.8	187.2	188.0	188.7	188.7
30°	166.0	165.2	165.2	166.0	167.4	168.9	170.4	171.8	172.6	173.3	174.0
32.5°	150.5	150.5	150.5	151.3	152.0	154.2	155.7	156.4	157.9	158.6	158.6
35°	136.6	136.6	136.6	138.0	139.5	141.0	141.7	143.2	144.7	144.7	144.7
37.5°	124.8	125.6	127.0	126.3	126.3	127.0	127.8	129.2	130.7	130.7	130.7
40°	111.6	112.3	113.1	112.3	113.1	114.6	115.3	116.0	116.8	117.5	117.5
42.5°	99.1	99.1	99.1	99.9	101.3	102.1	103.5	104.3	105.0	105.0	105.0
45°	88.9	88.9	89.6	90.3	91.1	91.8	92.5	93.3	94.0	94.0	94.0
47.5°	80.0	80.0	80.8	80.8	81.5	82.2	83.0	83.0	83.7	84.4	83.7
50°	72.0	72.0	72.0	72.7	72.7	73.4	73.4	74.2	74.2	74.2	74.2
52.5°	63.9	63.9	63.9	63.9	64.6	64.6	64.6	65.4	65.4	65.4	65.4
55°	56.5	56.5	56.5	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3
57.5°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
60°	43.3	43.3	43.3	43.3	43.3	42.6	43.3	43.3	43.3	43.3	43.3
62.5°	36.7	36.7	36.7	36.7	36.7	36.7	36.7	37.4	37.4	37.4	37.4
65°	30.1	30.8	30.8	30.8	30.8	30.8	30.8	31.6	31.6	31.6	31.6
67.5°	24.2	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.7	25.7	25.7
70°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.8
72.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	14.0	14.0	14.0
75°	9.5	9.5	9.5	9.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8
77.5°	6.6	6.6	6.6	5.9	5.9	5.1	5.1	5.1	5.1	5.1	4.4
80°	3.7	3.7	3.7	3.7	3.7	2.9	2.9	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	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)