

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: P1446458

Luminaire Tested: P3ART13R709730DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446458
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: P3ART13R709730DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

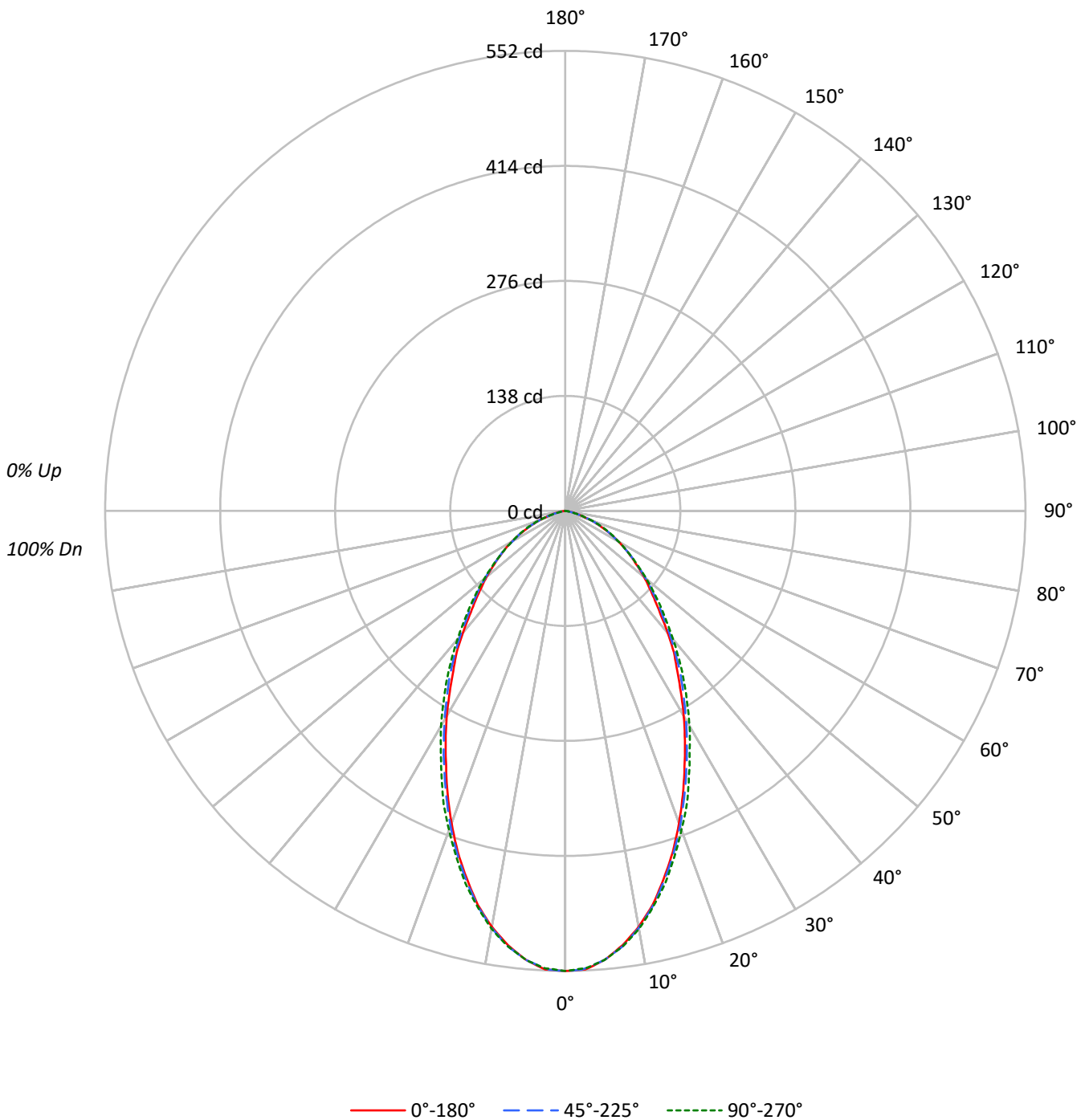
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 769.0 lumens
Efficiency: N/A
Efficacy: 52.7 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 (A_{in}): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	121065	121065	121065
5°	119040	119040	119040
10°	112846	113135	113402
15°	103633	104200	105063
20°	93038	93901	95092
25°	81852	83061	84900
30°	71960	73252	75480
35°	62613	64648	66334
40°	54731	56162	57594
45°	47199	48749	49928
50°	42028	42915	43325
55°	37007	37504	37504
60°	32541	31971	32541
65°	26773	27396	28070
70°	20965	20965	21799
75°	13810	12793	12793
80°	7956	6314	4799
85°	3271	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 49928 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	6.6
10°-20°	128.2	16.7
20°-30°	158.1	20.6
30°-40°	150.7	19.6
40°-50°	121.9	15.9
50°-60°	87.8	11.4
60°-70°	52.6	6.8
70°-80°	17.6	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°	336.9	43.8
0°-40°	487.6	63.4
0°-60°	697.3	90.7
0°-90°	769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	541	541	541	541	541	51
15°	456	457	459	461	463	128
25°	338	340	343	349	351	156
35°	234	236	242	246	248	147
45°	152	154	157	160	161	119
55°	97	97	98	98	98	87
65°	52	53	53	54	54	52
75°	16	16	15	15	15	18
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°	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1
2°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	549.6
2.5°	550.8	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	550.8	549.6
5°	540.8	540.8	540.8	540.8	540.8	540.8	540.8	540.8	542.0	540.8	540.8
7.5°	525.7	525.7	525.7	525.7	527.0	527.0	527.0	527.0	528.2	528.2	527.0
10°	506.8	506.8	506.8	506.8	508.1	508.1	509.3	508.1	508.1	509.3	509.3
12.5°	484.2	482.9	482.9	482.9	484.2	485.5	485.5	485.5	486.7	486.7	486.7
15°	456.5	456.5	456.5	457.8	457.8	459.0	460.3	460.3	461.6	461.6	462.8
17.5°	428.9	428.9	427.6	428.9	430.1	431.4	432.6	433.9	435.1	435.1	435.1
20°	398.7	397.4	398.7	399.9	401.2	402.4	403.7	406.2	407.5	407.5	407.5
22.5°	368.5	367.2	368.5	369.7	371.0	372.3	376.0	377.3	378.6	378.6	381.1
25°	338.3	338.3	339.6	340.8	342.1	343.3	345.9	348.4	349.6	350.9	350.9
27.5°	310.6	310.6	310.6	310.6	313.2	315.7	318.2	320.7	322.0	323.2	323.2
30°	284.2	283.0	283.0	284.2	286.7	289.3	291.8	294.3	295.5	296.8	298.1
32.5°	257.8	257.8	257.8	259.1	260.3	264.1	266.6	267.9	270.4	271.7	271.7
35°	233.9	233.9	233.9	236.4	239.0	241.5	242.7	245.2	247.8	247.8	247.8
37.5°	213.8	215.1	217.6	216.3	216.3	217.6	218.8	221.3	223.9	223.9	223.9
40°	191.2	192.4	193.7	192.4	193.7	196.2	197.5	198.7	200.0	201.2	201.2
42.5°	169.8	169.8	169.8	171.0	173.6	174.8	177.3	178.6	179.8	179.8	179.8
45°	152.2	152.2	153.4	154.7	155.9	157.2	158.5	159.7	161.0	161.0	161.0
47.5°	137.1	137.1	138.3	138.3	139.6	140.9	142.1	142.1	143.4	144.6	143.4
50°	123.2	123.2	123.2	124.5	124.5	125.8	125.8	127.0	127.0	127.0	127.0
52.5°	109.4	109.4	109.4	109.4	110.7	110.7	110.7	111.9	111.9	111.9	111.9
55°	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1
57.5°	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
60°	74.2	74.2	74.2	74.2	74.2	72.9	74.2	74.2	74.2	74.2	74.2
62.5°	62.9	62.9	62.9	62.9	62.9	62.9	62.9	64.1	64.1	64.1	64.1
65°	51.6	52.8	52.8	52.8	52.8	52.8	52.8	54.1	54.1	54.1	54.1
67.5°	41.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.0	44.0	44.0
70°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	34.0
72.5°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.9	23.9	23.9
75°	16.3	16.3	16.3	16.3	15.1	15.1	15.1	15.1	15.1	15.1	15.1
77.5°	11.3	11.3	11.3	10.1	10.1	8.8	8.8	8.8	8.8	8.8	7.5
80°	6.3	6.3	6.3	6.3	6.3	5.0	5.0	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	2.5	2.5	2.5	2.5	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)