

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: P3ART20R709830D010 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: P3ART20R709830D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

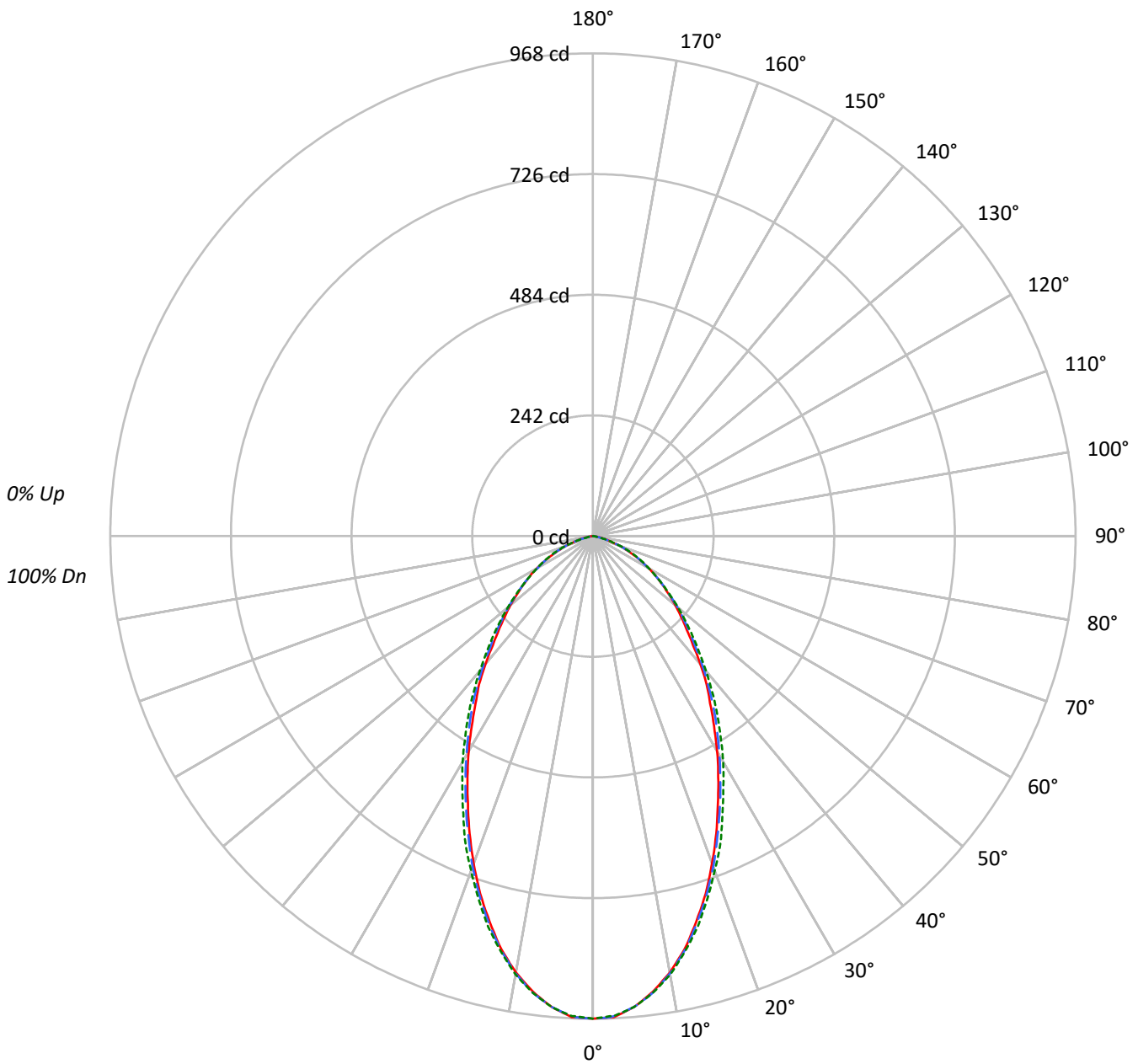
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1348.0 lumens
Efficiency: N/A
Efficacy: 49.2 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): 27.4
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	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°	212220	212220	212220
5°	208672	208672	208672
10°	197814	198304	198794
15°	181681	182680	184178
20°	163068	164631	166684
25°	143476	145605	148823
30°	126146	128374	132299
35°	109754	113314	116259
40°	95923	98442	100961
45°	82737	85466	87513
50°	73686	75221	75972
55°	64915	65756	65756
60°	57057	56092	57057
65°	46905	48047	49188
70°	36737	36737	38147
75°	24316	22452	22452
80°	13891	11113	8334
85°	5535	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 87513 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	6.6
10°-20°	224.8	16.7
20°-30°	277.2	20.6
30°-40°	264.1	19.6
40°-50°	213.7	15.9
50°-60°	153.9	11.4
60°-70°	92.2	6.8
70°-80°	30.9	2.3
80°-90°	2.6	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°	590.6	43.8
0°-40°	854.7	63.4
0°-60°	1222.4	90.7
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	948	948	948	949	948	89
15°	800	802	805	807	811	224
25°	593	597	602	611	615	273
35°	410	413	423	431	434	258
45°	267	271	276	281	282	208
55°	170	170	172	172	172	153
65°	90	93	93	95	95	91
75°	29	29	26	26	26	32
85°	2	2	0	0	0	4
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°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2°	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	963.4
2.5°	965.6	963.4	963.4	963.4	963.4	963.4	963.4	963.4	963.4	965.6	963.4
5°	948.0	948.0	948.0	948.0	948.0	948.0	948.0	948.0	950.2	948.0	948.0
7.5°	921.5	921.5	921.5	921.5	923.7	923.7	923.7	923.7	925.9	925.9	923.7
10°	888.4	888.4	888.4	888.4	890.6	890.6	892.8	890.6	890.6	892.8	892.8
12.5°	848.8	846.6	846.6	846.6	848.8	851.0	851.0	851.0	853.2	853.2	853.2
15°	800.3	800.3	800.3	802.5	802.5	804.7	806.9	806.9	809.1	809.1	811.3
17.5°	751.8	751.8	749.5	751.8	754.0	756.2	758.4	760.6	762.8	762.8	762.8
20°	698.8	696.6	698.8	701.0	703.3	705.5	707.7	712.1	714.3	714.3	714.3
22.5°	645.9	643.7	645.9	648.1	650.3	652.5	659.2	661.4	663.6	663.6	668.0
25°	593.0	593.0	595.2	597.4	599.6	601.8	606.3	610.7	612.9	615.1	615.1
27.5°	544.5	544.5	544.5	544.5	548.9	553.3	557.8	562.2	564.4	566.6	566.6
30°	498.2	496.0	496.0	498.2	502.6	507.0	511.5	515.9	518.1	520.3	522.5
32.5°	451.9	451.9	451.9	454.1	456.3	463.0	467.4	469.6	474.0	476.2	476.2
35°	410.0	410.0	410.0	414.5	418.9	423.3	425.5	429.9	434.3	434.3	434.3
37.5°	374.8	377.0	381.4	379.2	379.2	381.4	383.6	388.0	392.4	392.4	392.4
40°	335.1	337.3	339.5	337.3	339.5	343.9	346.1	348.3	350.5	352.7	352.7
42.5°	297.6	297.6	297.6	299.8	304.2	306.4	310.8	313.0	315.3	315.3	315.3
45°	266.8	266.8	269.0	271.2	273.4	275.6	277.8	280.0	282.2	282.2	282.2
47.5°	240.3	240.3	242.5	242.5	244.7	246.9	249.1	249.1	251.3	253.5	251.3
50°	216.0	216.0	216.0	218.3	218.3	220.5	220.5	222.7	222.7	222.7	222.7
52.5°	191.8	191.8	191.8	191.8	194.0	194.0	194.0	196.2	196.2	196.2	196.2
55°	169.8	169.8	169.8	169.8	169.8	172.0	172.0	172.0	172.0	172.0	172.0
57.5°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
60°	130.1	130.1	130.1	130.1	130.1	127.9	130.1	130.1	130.1	130.1	130.1
62.5°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	112.4	112.4	112.4	112.4
65°	90.4	92.6	92.6	92.6	92.6	92.6	92.6	94.8	94.8	94.8	94.8
67.5°	72.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	77.2	77.2	77.2
70°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	59.5
72.5°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	41.9	41.9	41.9
75°	28.7	28.7	28.7	28.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5
77.5°	19.8	19.8	19.8	17.6	17.6	15.4	15.4	15.4	15.4	15.4	13.2
80°	11.0	11.0	11.0	11.0	11.0	8.8	8.8	6.6	6.6	6.6	6.6
82.5°	6.6	6.6	6.6	4.4	4.4	4.4	4.4	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	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)