

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: P3ART20R709024D010 E3CLSWW1MW

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709024D010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

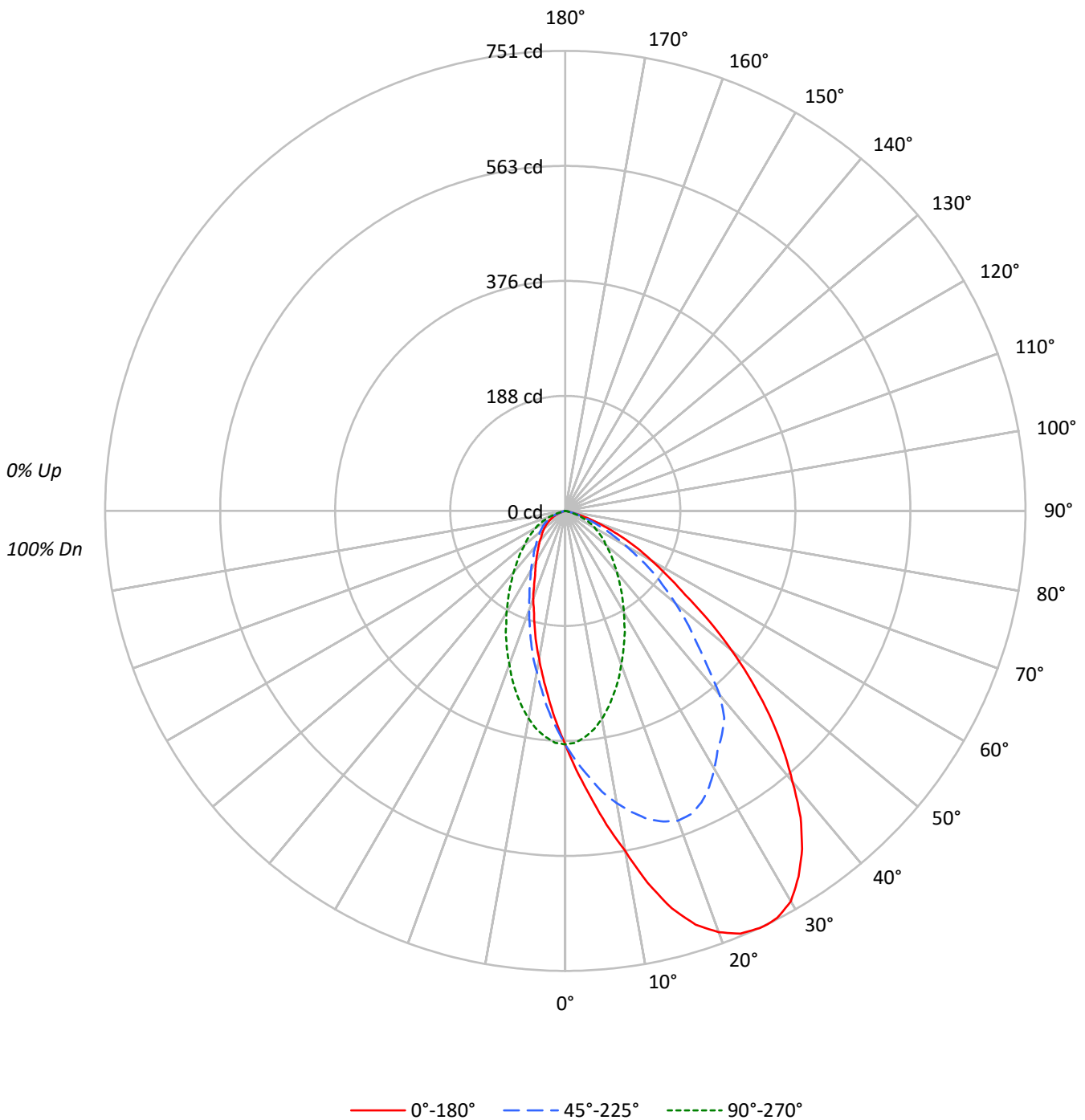
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	96	97	95	94	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	83546	83546	83546	83546	83546
5°	102817	95729	81510	71560	67752
10°	125582	107858	76685	59429	54642
15°	152464	118275	69876	49353	43973
20°	170792	125591	62282	40183	35656
25°	181777	127096	55213	33341	28115
30°	186408	123184	48514	28333	23978
35°	180371	119284	42643	24199	20746
40°	165138	112153	37585	21555	18492
45°	146186	93467	33368	20033	16684
50°	121173	80031	29372	18353	15420
55°	91371	66674	27144	17280	13992
60°	71749	50040	24559	16051	12280
65°	53598	36839	21221	13387	10066
70°	34493	23465	15195	9681	5514
75°	14572	12793	7286	3643	1864
80°	2778	2778	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 146186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	4.8
10°-20°	104.0	13.7
20°-30°	152.1	20.0
30°-40°	165.7	21.8
40°-50°	143.4	18.9
50°-60°	96.1	12.7
60°-70°	49.6	6.5
70°-80°	11.8	1.5
80°-90°	0.1	0.0
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°	292.3	38.5
0°-40°	458.0	60.3
0°-60°	697.5	91.9
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	381	381	381	381	381	
5°	467	435	370	325	308	48
15°	672	521	308	217	194	190
25°	751	525	228	138	116	345
35°	674	446	159	90	78	417
45°	471	301	108	65	54	361
55°	239	174	71	45	37	221
65°	103	71	41	26	19	104
75°	17	15	9	4	2	23
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
2.5°	424.1	421.9	421.9	417.6	413.3	409.0	402.6	396.1	389.6	383.2	378.9
5°	467.1	469.3	467.1	458.5	447.8	434.9	421.9	406.9	391.8	378.9	370.3
7.5°	516.7	516.7	510.2	499.4	484.4	462.8	441.3	415.5	391.8	370.3	359.5
10°	564.0	564.0	553.2	536.0	512.3	484.4	454.2	419.8	387.5	357.4	344.4
12.5°	622.1	620.0	607.1	579.1	544.6	503.7	462.8	419.8	381.0	344.4	327.2
15°	671.6	669.5	652.3	617.8	572.6	521.0	465.0	415.5	368.1	327.2	307.8
17.5°	708.2	703.9	684.6	648.0	596.3	531.7	467.1	406.9	353.0	307.8	288.5
20°	731.9	729.8	708.2	665.2	609.2	538.2	465.0	396.1	338.0	288.5	266.9
22.5°	747.0	742.7	721.2	673.8	609.2	536.0	456.4	381.0	318.6	269.1	247.6
25°	751.3	749.1	723.3	671.6	602.8	525.3	443.5	366.0	299.2	249.7	228.2
26°	751.3	749.1	723.3	669.5	598.5	518.8	437.0	359.5	292.8	241.1	221.7
27.5°	749.1	747.0	719.0	663.0	589.8	508.0	424.1	346.6	279.9	230.3	208.8
30°	736.2	731.9	703.9	648.0	570.5	486.5	402.6	327.2	260.5	211.0	191.6
32.5°	708.2	703.9	673.8	622.1	548.9	462.8	378.9	305.7	241.1	191.6	174.4
35°	673.8	669.5	639.4	589.8	518.8	445.6	353.0	282.0	219.6	176.5	159.3
37.5°	630.7	624.3	598.5	546.8	482.2	426.2	331.5	258.3	200.2	159.3	144.2
40°	576.9	574.8	551.1	503.7	439.2	391.8	318.6	258.3	183.0	144.2	131.3
42.5°	525.3	521.0	499.4	458.5	400.4	342.3	279.9	247.6	170.1	129.2	118.4
45°	471.4	467.1	447.8	413.3	359.5	301.4	301.4	213.1	146.4	118.4	107.6
47.5°	413.3	409.0	393.9	368.1	320.8	269.1	219.6	174.4	133.5	105.5	96.9
50°	355.2	357.4	344.4	318.6	282.0	234.6	189.4	146.4	114.1	94.7	86.1
52.5°	297.1	294.9	286.3	269.1	243.3	202.4	161.5	124.9	99.0	84.0	79.7
55°	239.0	241.1	236.8	226.0	204.5	174.4	135.6	107.6	88.3	75.3	71.0
57.5°	198.1	200.2	191.6	185.1	167.9	142.1	111.9	90.4	75.3	66.7	62.4
60°	163.6	165.8	159.3	150.7	137.8	114.1	90.4	75.3	66.7	60.3	56.0
62.5°	133.5	131.3	127.0	118.4	107.6	90.4	73.2	62.4	56.0	51.7	49.5
65°	103.3	103.3	99.0	92.6	84.0	71.0	58.1	51.7	47.4	43.1	40.9
67.5°	77.5	77.5	73.2	68.9	60.3	51.7	45.2	40.9	38.7	34.4	32.3
70°	53.8	53.8	51.7	49.5	43.1	36.6	34.4	30.1	28.0	25.8	23.7
72.5°	34.4	34.4	34.4	30.1	28.0	23.7	23.7	21.5	19.4	17.2	17.2
75°	17.2	19.4	17.2	17.2	15.1	15.1	12.9	12.9	10.8	10.8	8.6
77.5°	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
2.5°	374.6	368.1	363.8	357.4	353.0	348.7	346.6	344.4	344.4	344.4
5°	363.8	353.0	342.3	331.5	325.1	318.6	312.1	310.0	307.8	307.8
7.5°	350.9	333.7	318.6	305.7	294.9	288.5	282.0	277.7	275.5	275.5
10°	333.7	312.1	294.9	277.7	266.9	258.3	254.0	247.6	247.6	245.4
12.5°	314.3	288.5	269.1	254.0	243.3	232.5	226.0	221.7	219.6	219.6
15°	292.8	266.9	245.4	228.2	217.4	206.7	200.2	195.9	193.7	193.7
17.5°	271.2	243.3	221.7	204.5	193.7	183.0	176.5	172.2	172.2	170.1
20°	249.7	221.7	200.2	183.0	172.2	163.6	157.1	152.8	150.7	152.8
22.5°	230.3	202.4	180.8	165.8	152.8	144.2	137.8	135.6	133.5	133.5
25°	208.8	183.0	163.6	148.5	137.8	129.2	122.7	120.6	118.4	116.2
26°	202.4	176.5	157.1	142.1	131.3	122.7	118.4	114.1	111.9	111.9
27.5°	193.7	165.8	148.5	133.5	122.7	116.2	109.8	107.6	105.5	105.5
30°	174.4	150.7	133.5	120.6	111.9	103.3	99.0	96.9	94.7	94.7
32.5°	159.3	135.6	120.6	109.8	101.2	94.7	90.4	86.1	86.1	86.1
35°	144.2	122.7	109.8	99.0	90.4	84.0	81.8	79.7	77.5	77.5
37.5°	131.3	111.9	99.0	90.4	84.0	77.5	73.2	71.0	71.0	71.0
40°	118.4	103.3	90.4	81.8	75.3	71.0	66.7	64.6	64.6	64.6
42.5°	107.6	92.6	84.0	75.3	68.9	64.6	62.4	60.3	58.1	58.1
45°	99.0	86.1	75.3	68.9	64.6	60.3	56.0	53.8	53.8	53.8
47.5°	88.3	79.7	68.9	62.4	58.1	53.8	51.7	49.5	49.5	49.5
50°	81.8	73.2	64.6	58.1	53.8	49.5	47.4	45.2	45.2	45.2
52.5°	73.2	66.7	60.3	53.8	49.5	45.2	43.1	40.9	40.9	40.9
55°	66.7	60.3	53.8	49.5	45.2	40.9	38.7	36.6	36.6	36.6
57.5°	60.3	53.8	49.5	45.2	40.9	38.7	34.4	34.4	32.3	32.3
60°	53.8	47.4	43.1	40.9	36.6	34.4	30.1	28.0	28.0	28.0
62.5°	45.2	43.1	38.7	34.4	30.1	28.0	25.8	23.7	23.7	23.7
65°	38.7	36.6	32.3	28.0	25.8	23.7	21.5	19.4	19.4	19.4
67.5°	32.3	28.0	25.8	23.7	21.5	19.4	17.2	15.1	12.9	15.1
70°	23.7	21.5	19.4	17.2	15.1	12.9	10.8	10.8	8.6	8.6
72.5°	15.1	12.9	12.9	10.8	8.6	8.6	6.5	6.5	4.3	4.3
75°	8.6	8.6	6.5	6.5	4.3	4.3	2.2	2.2	2.2	2.2
77.5°	4.3	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)