

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: P3ART20R709050D010 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: P3ART20R709050D010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

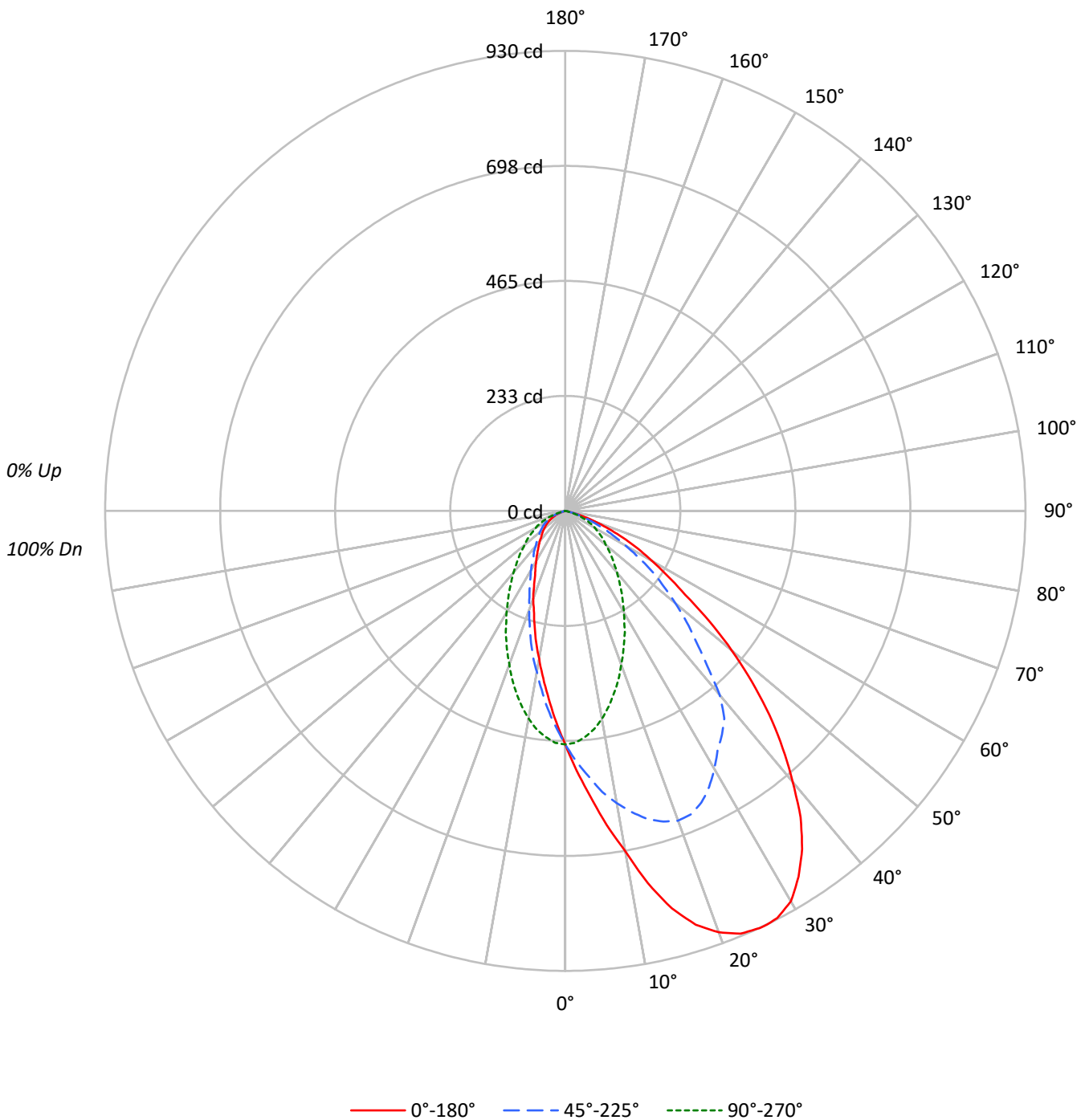
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 940.0 lumens
Efficiency: N/A
Efficacy: 32.6 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	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	96	97	95	94	94	92	91	91	91	91	89	
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68	
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60	
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53	
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47	
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43	
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39	
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35	
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	103479	103479	103479	103479	103479
5°	127338	118534	100946	88620	83931
10°	155530	133576	94988	73613	67667
15°	188832	146471	86561	61135	54461
20°	211535	155530	77147	49774	44174
25°	225134	157388	68375	41277	34841
30°	230871	152555	60085	35094	29701
35°	223389	147739	52816	29982	25698
40°	204526	138889	46544	26707	22900
45°	181073	115764	41338	24809	20684
50°	150068	99135	36366	22754	19104
55°	113124	82578	33643	21409	17318
60°	88853	61969	30392	19867	15218
65°	66414	45660	26306	16604	12453
70°	42764	29043	18785	11989	6860
75°	18046	15843	9065	4490	2288
80°	3410	3410	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 181073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	4.8
10°-20°	128.8	13.7
20°-30°	188.4	20.0
30°-40°	205.3	21.8
40°-50°	177.6	18.9
50°-60°	119.0	12.7
60°-70°	61.5	6.5
70°-80°	14.5	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°	362.0	38.5
0°-40°	567.3	60.3
0°-60°	863.9	91.9
0°-90°	940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	472	472	472	472	472	
5°	578	538	459	403	381	59
15°	832	645	381	269	240	236
25°	930	650	283	171	144	427
35°	834	552	197	112	96	517
45°	584	373	133	80	67	447
55°	296	216	88	56	45	274
65°	128	88	51	32	24	129
75°	21	19	11	5	3	28
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°	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9
2.5°	525.2	522.6	522.6	517.2	511.9	506.6	498.6	490.6	482.6	474.6	469.2
5°	578.5	581.2	578.5	567.9	554.5	538.5	522.6	503.9	485.2	469.2	458.6
7.5°	639.9	639.9	631.9	618.5	599.9	573.2	546.5	514.6	485.2	458.6	445.2
10°	698.5	698.5	685.2	663.9	634.5	599.9	562.5	519.9	479.9	442.6	426.6
12.5°	770.5	767.8	751.8	717.2	674.5	623.9	573.2	519.9	471.9	426.6	405.2
15°	831.8	829.2	807.8	765.2	709.2	645.2	575.9	514.6	455.9	405.2	381.3
17.5°	877.1	871.8	847.8	802.5	738.5	658.5	578.5	503.9	437.2	381.3	357.3
20°	906.5	903.8	877.1	823.8	754.5	666.5	575.9	490.6	418.6	357.3	330.6
22.5°	925.1	919.8	893.1	834.5	754.5	663.9	565.2	471.9	394.6	333.3	306.6
25°	930.5	927.8	895.8	831.8	746.5	650.5	549.2	453.2	370.6	309.3	282.6
26°	930.5	927.8	895.8	829.2	741.2	642.5	541.2	445.2	362.6	298.6	274.6
27.5°	927.8	925.1	890.5	821.2	730.5	629.2	525.2	429.2	346.6	285.3	258.6
30°	911.8	906.5	871.8	802.5	706.5	602.5	498.6	405.2	322.6	261.3	237.3
32.5°	877.1	871.8	834.5	770.5	679.9	573.2	469.2	378.6	298.6	237.3	216.0
35°	834.5	829.2	791.8	730.5	642.5	551.9	437.2	349.3	271.9	218.6	197.3
37.5°	781.2	773.2	741.2	677.2	597.2	527.9	410.6	319.9	247.9	197.3	178.6
40°	714.5	711.8	682.5	623.9	543.9	485.2	394.6	319.9	226.6	178.6	162.6
42.5°	650.5	645.2	618.5	567.9	495.9	423.9	346.6	306.6	210.6	160.0	146.6
45°	583.9	578.5	554.5	511.9	445.2	373.3	373.3	263.9	181.3	146.6	133.3
47.5°	511.9	506.6	487.9	455.9	397.2	333.3	271.9	216.0	165.3	130.6	120.0
50°	439.9	442.6	426.6	394.6	349.3	290.6	234.6	181.3	141.3	117.3	106.6
52.5°	367.9	365.3	354.6	333.3	301.3	250.6	200.0	154.6	122.6	104.0	98.6
55°	295.9	298.6	293.3	279.9	253.3	216.0	168.0	133.3	109.3	93.3	88.0
57.5°	245.3	247.9	237.3	229.3	208.0	176.0	138.6	112.0	93.3	82.6	77.3
60°	202.6	205.3	197.3	186.6	170.6	141.3	112.0	93.3	82.6	74.7	69.3
62.5°	165.3	162.6	157.3	146.6	133.3	112.0	90.6	77.3	69.3	64.0	61.3
65°	128.0	128.0	122.6	114.6	104.0	88.0	72.0	64.0	58.7	53.3	50.7
67.5°	96.0	96.0	90.6	85.3	74.7	64.0	56.0	50.7	48.0	42.7	40.0
70°	66.7	66.7	64.0	61.3	53.3	45.3	42.7	37.3	34.7	32.0	29.3
72.5°	42.7	42.7	42.7	37.3	34.7	29.3	29.3	26.7	24.0	21.3	21.3
75°	21.3	24.0	21.3	21.3	18.7	18.7	16.0	16.0	13.3	13.3	10.7
77.5°	8.0	8.0	8.0	8.0	8.0	8.0	5.3	5.3	5.3	5.3	5.3
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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°	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9	471.9
2.5°	463.9	455.9	450.6	442.6	437.2	431.9	429.2	426.6	426.6	426.6
5°	450.6	437.2	423.9	410.6	402.6	394.6	386.6	383.9	381.3	381.3
7.5°	434.6	413.2	394.6	378.6	365.3	357.3	349.3	343.9	341.3	341.3
10°	413.2	386.6	365.3	343.9	330.6	319.9	314.6	306.6	306.6	303.9
12.5°	389.2	357.3	333.3	314.6	301.3	287.9	279.9	274.6	271.9	271.9
15°	362.6	330.6	303.9	282.6	269.3	255.9	247.9	242.6	239.9	239.9
17.5°	335.9	301.3	274.6	253.3	239.9	226.6	218.6	213.3	213.3	210.6
20°	309.3	274.6	247.9	226.6	213.3	202.6	194.6	189.3	186.6	189.3
22.5°	285.3	250.6	224.0	205.3	189.3	178.6	170.6	168.0	165.3	165.3
25°	258.6	226.6	202.6	184.0	170.6	160.0	152.0	149.3	146.6	144.0
26°	250.6	218.6	194.6	176.0	162.6	152.0	146.6	141.3	138.6	138.6
27.5°	239.9	205.3	184.0	165.3	152.0	144.0	136.0	133.3	130.6	130.6
30°	216.0	186.6	165.3	149.3	138.6	128.0	122.6	120.0	117.3	117.3
32.5°	197.3	168.0	149.3	136.0	125.3	117.3	112.0	106.6	106.6	106.6
35°	178.6	152.0	136.0	122.6	112.0	104.0	101.3	98.6	96.0	96.0
37.5°	162.6	138.6	122.6	112.0	104.0	96.0	90.6	88.0	88.0	88.0
40°	146.6	128.0	112.0	101.3	93.3	88.0	82.6	80.0	80.0	80.0
42.5°	133.3	114.6	104.0	93.3	85.3	80.0	77.3	74.7	72.0	72.0
45°	122.6	106.6	93.3	85.3	80.0	74.7	69.3	66.7	66.7	66.7
47.5°	109.3	98.6	85.3	77.3	72.0	66.7	64.0	61.3	61.3	61.3
50°	101.3	90.6	80.0	72.0	66.7	61.3	58.7	56.0	56.0	56.0
52.5°	90.6	82.6	74.7	66.7	61.3	56.0	53.3	50.7	50.7	50.7
55°	82.6	74.7	66.7	61.3	56.0	50.7	48.0	45.3	45.3	45.3
57.5°	74.7	66.7	61.3	56.0	50.7	48.0	42.7	42.7	40.0	40.0
60°	66.7	58.7	53.3	50.7	45.3	42.7	37.3	34.7	34.7	34.7
62.5°	56.0	53.3	48.0	42.7	37.3	34.7	32.0	29.3	29.3	29.3
65°	48.0	45.3	40.0	34.7	32.0	29.3	26.7	24.0	24.0	24.0
67.5°	40.0	34.7	32.0	29.3	26.7	24.0	21.3	18.7	16.0	18.7
70°	29.3	26.7	24.0	21.3	18.7	16.0	13.3	13.3	10.7	10.7
72.5°	18.7	16.0	16.0	13.3	10.7	10.7	8.0	8.0	5.3	5.3
75°	10.7	10.7	8.0	8.0	5.3	5.3	2.7	2.7	2.7	2.7
77.5°	5.3	2.7	2.7	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)