

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: P3ART24R709035D010 E3LSWW1WMH

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: P3ART24R709035D010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

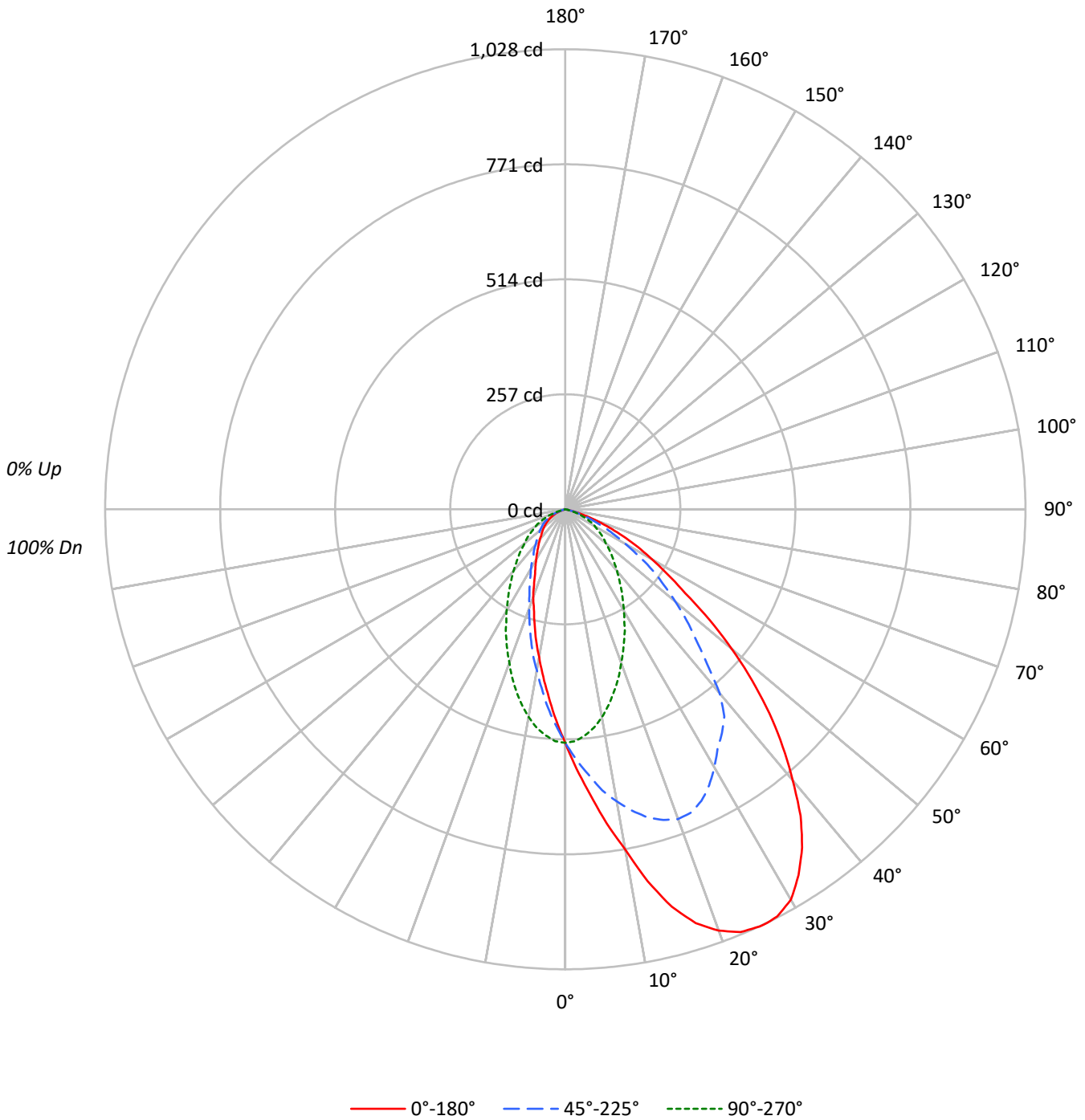
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1039.0 lumens
Efficiency: N/A
Efficacy: 36.1 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°	114377	114377	114377	114377	114377
5°	140766	131036	111578	97953	92758
10°	171918	147626	104986	81361	74793
15°	208719	161885	95665	67560	60205
20°	233797	171912	85267	55025	48818
25°	248845	173962	75585	45632	38494
30°	255179	168634	66415	38791	32840
35°	246919	163292	58384	33140	28402
40°	226081	153516	51468	29512	25305
45°	200145	127951	45679	27414	22855
50°	165862	109574	40220	25142	21117
55°	125052	91256	37160	23665	19153
60°	98238	68503	33594	21972	16797
65°	73419	50433	29056	18368	13750
70°	47252	32121	20773	13207	7565
75°	19995	17453	9997	4999	2457
80°	3662	3662	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 200145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	4.8
10°-20°	142.4	13.7
20°-30°	208.2	20.0
30°-40°	226.9	21.8
40°-50°	196.3	18.9
50°-60°	131.5	12.7
60°-70°	67.9	6.5
70°-80°	16.1	1.5
80°-90°	0.2	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°	400.1	38.5
0°-40°	627.0	60.3
0°-60°	954.9	91.9
0°-90°	1039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	522	522	522	522	522	
5°	640	595	507	445	421	65
15°	919	713	421	298	265	260
25°	1028	719	312	189	159	472
35°	922	610	218	124	106	571
45°	645	413	147	88	74	494
55°	327	239	97	62	50	303
65°	142	97	56	35	26	143
75°	24	21	12	6	3	31
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°	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6
2.5°	580.5	577.6	577.6	571.7	565.8	559.9	551.1	542.2	533.4	524.5	518.7
5°	639.5	642.4	639.5	627.7	613.0	595.3	577.6	557.0	536.3	518.7	506.9
7.5°	707.3	707.3	698.4	683.7	663.0	633.6	604.1	568.7	536.3	506.9	492.1
10°	772.1	772.1	757.3	733.8	701.4	663.0	621.8	574.6	530.4	489.2	471.5
12.5°	851.6	848.7	831.0	792.7	745.6	689.6	633.6	574.6	521.6	471.5	447.9
15°	919.4	916.5	892.9	845.8	783.9	713.1	636.5	568.7	503.9	447.9	421.4
17.5°	969.5	963.6	937.1	887.0	816.3	727.9	639.5	557.0	483.3	421.4	394.9
20°	1001.9	999.0	969.5	910.6	834.0	736.7	636.5	542.2	462.7	394.9	365.4
22.5°	1022.6	1016.7	987.2	922.4	834.0	733.8	624.7	521.6	436.1	368.4	338.9
25°	1028.5	1025.5	990.2	919.4	825.1	719.0	607.1	501.0	409.6	341.8	312.4
26°	1028.5	1025.5	990.2	916.5	819.2	710.2	598.2	492.1	400.8	330.1	303.5
27.5°	1025.5	1022.6	984.3	907.6	807.4	695.5	580.5	474.4	383.1	315.3	285.8
30°	1007.8	1001.9	963.6	887.0	780.9	666.0	551.1	447.9	356.6	288.8	262.3
32.5°	969.5	963.6	922.4	851.6	751.5	633.6	518.7	418.5	330.1	262.3	238.7
35°	922.4	916.5	875.2	807.4	710.2	610.0	483.3	386.0	300.6	241.6	218.1
37.5°	863.4	854.6	819.2	748.5	660.1	583.5	453.8	353.6	274.1	218.1	197.4
40°	789.8	786.8	754.4	689.6	601.2	536.3	436.1	353.6	250.5	197.4	179.8
42.5°	719.0	713.1	683.7	627.7	548.1	468.6	383.1	338.9	232.8	176.8	162.1
45°	645.4	639.5	613.0	565.8	492.1	412.6	412.6	291.7	200.4	162.1	147.3
47.5°	565.8	559.9	539.3	503.9	439.1	368.4	300.6	238.7	182.7	144.4	132.6
50°	486.2	489.2	471.5	436.1	386.0	321.2	259.3	200.4	156.2	129.7	117.9
52.5°	406.7	403.7	391.9	368.4	333.0	277.0	221.0	170.9	135.6	114.9	109.0
55°	327.1	330.1	324.2	309.4	280.0	238.7	185.7	147.3	120.8	103.1	97.2
57.5°	271.1	274.1	262.3	253.4	229.9	194.5	153.2	123.8	103.1	91.4	85.5
60°	224.0	226.9	218.1	206.3	188.6	156.2	123.8	103.1	91.4	82.5	76.6
62.5°	182.7	179.8	173.9	162.1	147.3	123.8	100.2	85.5	76.6	70.7	67.8
65°	141.5	141.5	135.6	126.7	114.9	97.2	79.6	70.7	64.8	58.9	56.0
67.5°	106.1	106.1	100.2	94.3	82.5	70.7	61.9	56.0	53.0	47.2	44.2
70°	73.7	73.7	70.7	67.8	58.9	50.1	47.2	41.3	38.3	35.4	32.4
72.5°	47.2	47.2	47.2	41.3	38.3	32.4	32.4	29.5	26.5	23.6	23.6
75°	23.6	26.5	23.6	23.6	20.6	20.6	17.7	17.7	14.7	14.7	11.8
77.5°	8.8	8.8	8.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9	5.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6
2.5°	512.8	503.9	498.0	489.2	483.3	477.4	474.4	471.5	471.5	471.5
5°	498.0	483.3	468.6	453.8	445.0	436.1	427.3	424.4	421.4	421.4
7.5°	480.3	456.8	436.1	418.5	403.7	394.9	386.0	380.1	377.2	377.2
10°	456.8	427.3	403.7	380.1	365.4	353.6	347.7	338.9	338.9	335.9
12.5°	430.2	394.9	368.4	347.7	333.0	318.3	309.4	303.5	300.6	300.6
15°	400.8	365.4	335.9	312.4	297.6	282.9	274.1	268.2	265.2	265.2
17.5°	371.3	333.0	303.5	280.0	265.2	250.5	241.6	235.8	235.8	232.8
20°	341.8	303.5	274.1	250.5	235.8	224.0	215.1	209.2	206.3	209.2
22.5°	315.3	277.0	247.5	226.9	209.2	197.4	188.6	185.7	182.7	182.7
25°	285.8	250.5	224.0	203.3	188.6	176.8	168.0	165.0	162.1	159.1
26°	277.0	241.6	215.1	194.5	179.8	168.0	162.1	156.2	153.2	153.2
27.5°	265.2	226.9	203.3	182.7	168.0	159.1	150.3	147.3	144.4	144.4
30°	238.7	206.3	182.7	165.0	153.2	141.5	135.6	132.6	129.7	129.7
32.5°	218.1	185.7	165.0	150.3	138.5	129.7	123.8	117.9	117.9	117.9
35°	197.4	168.0	150.3	135.6	123.8	114.9	112.0	109.0	106.1	106.1
37.5°	179.8	153.2	135.6	123.8	114.9	106.1	100.2	97.2	97.2	97.2
40°	162.1	141.5	123.8	112.0	103.1	97.2	91.4	88.4	88.4	88.4
42.5°	147.3	126.7	114.9	103.1	94.3	88.4	85.5	82.5	79.6	79.6
45°	135.6	117.9	103.1	94.3	88.4	82.5	76.6	73.7	73.7	73.7
47.5°	120.8	109.0	94.3	85.5	79.6	73.7	70.7	67.8	67.8	67.8
50°	112.0	100.2	88.4	79.6	73.7	67.8	64.8	61.9	61.9	61.9
52.5°	100.2	91.4	82.5	73.7	67.8	61.9	58.9	56.0	56.0	56.0
55°	91.4	82.5	73.7	67.8	61.9	56.0	53.0	50.1	50.1	50.1
57.5°	82.5	73.7	67.8	61.9	56.0	53.0	47.2	47.2	44.2	44.2
60°	73.7	64.8	58.9	56.0	50.1	47.2	41.3	38.3	38.3	38.3
62.5°	61.9	58.9	53.0	47.2	41.3	38.3	35.4	32.4	32.4	32.4
65°	53.0	50.1	44.2	38.3	35.4	32.4	29.5	26.5	26.5	26.5
67.5°	44.2	38.3	35.4	32.4	29.5	26.5	23.6	20.6	17.7	20.6
70°	32.4	29.5	26.5	23.6	20.6	17.7	14.7	14.7	11.8	11.8
72.5°	20.6	17.7	17.7	14.7	11.8	11.8	8.8	8.8	5.9	5.9
75°	11.8	11.8	8.8	8.8	5.9	5.9	2.9	2.9	2.9	2.9
77.5°	5.9	2.9	2.9	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)