

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: P3ART20R709035D010 E3LCWW1GPH

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART20R709035D010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

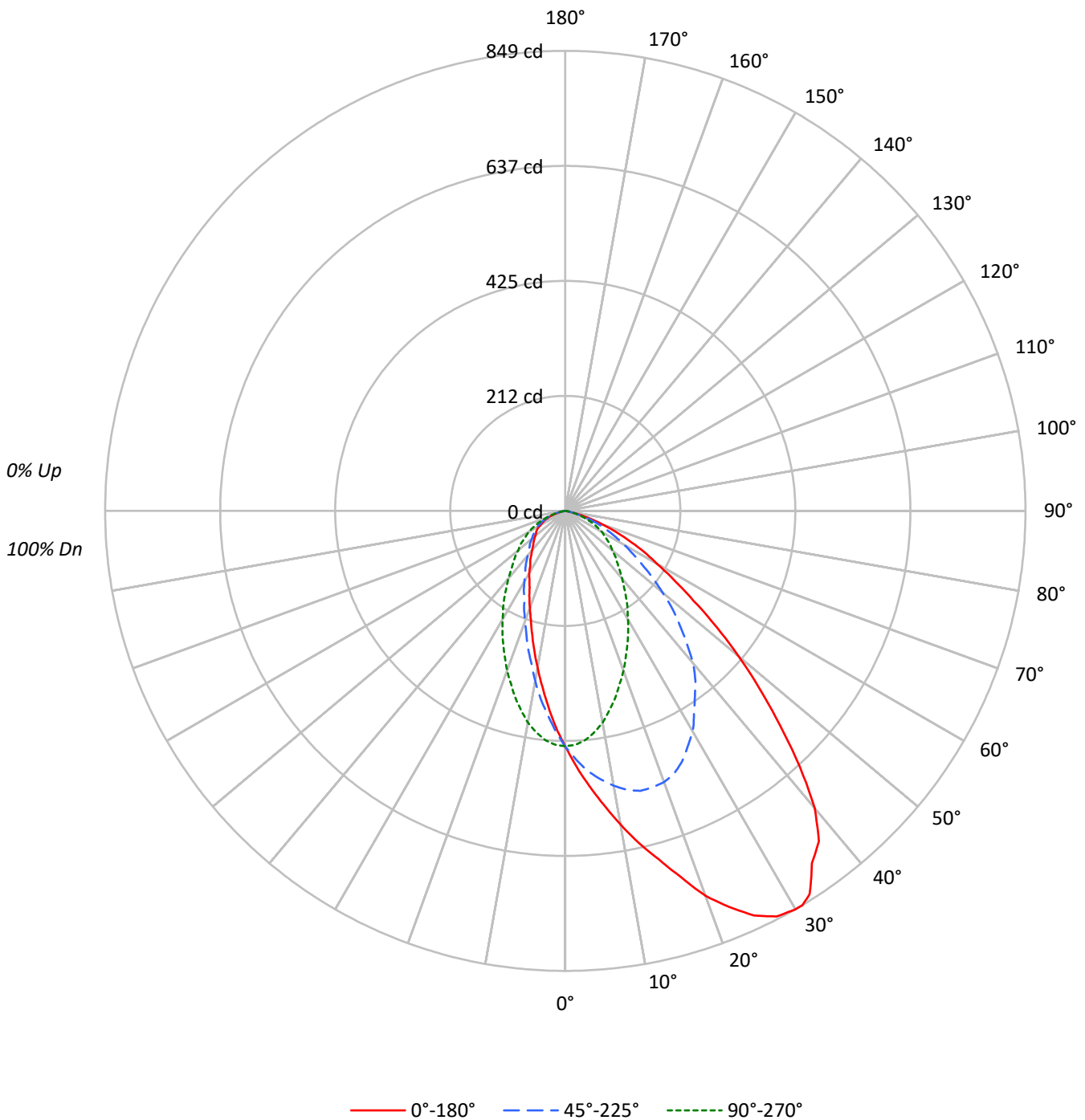
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 884.0 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	95277	95277	95277	95277	95277
5°	112238	106141	93440	82941	79617
10°	130859	114649	88353	71030	65441
15°	151102	121454	80977	59864	53598
20°	176415	124261	73273	50404	44547
25°	199318	123370	65641	43140	37672
30°	214970	118930	58515	38158	33701
35°	212467	111601	52441	34291	30249
40°	204898	104968	46745	30915	27308
45°	173692	92692	42051	28809	25708
50°	142221	79690	38549	27428	24835
55°	110409	66253	36472	26876	24964
60°	85914	55083	34164	26445	23112
65°	67763	45608	29990	24750	22155
70°	46675	33788	24171	20965	19298
75°	23384	19148	17029	14911	12793
80°	3157	6314	9471	6314	3157
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 173692 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	4.6
10°-20°	113.2	12.8
20°-30°	166.8	18.9
30°-40°	187.0	21.2
40°-50°	164.4	18.6
50°-60°	117.7	13.3
60°-70°	69.7	7.9
70°-80°	23.4	2.6
80°-90°	1.1	0.1
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°	320.7	36.3
0°-40°	507.7	57.4
0°-60°	789.8	89.3
0°-90°	884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	434	434	434	434	434	
5°	510	482	424	377	362	51
15°	666	535	357	264	236	192
25°	824	510	271	178	156	379
35°	794	417	196	128	113	499
45°	560	299	136	93	83	433
55°	289	173	95	70	65	264
65°	131	88	58	48	43	130
75°	28	23	20	18	15	34
85°	0	0	0	0	0	0
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°	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
2.5°	472.2	472.2	472.2	467.2	467.2	459.6	454.6	447.1	442.1	434.5	432.0
5°	509.9	509.9	504.9	499.8	492.3	482.2	469.7	457.1	442.1	429.5	424.5
7.5°	547.5	550.1	542.5	532.5	517.4	499.8	482.2	462.2	439.5	422.0	411.9
10°	587.7	587.7	577.7	562.6	540.0	514.9	487.3	459.6	432.0	406.9	396.8
12.5°	627.9	625.4	612.9	590.2	562.6	527.5	489.8	454.6	422.0	391.8	376.8
15°	665.6	665.6	648.0	620.4	580.2	535.0	489.8	444.6	406.9	371.7	356.7
17.5°	708.3	708.3	685.7	643.0	592.8	535.0	482.2	432.0	389.3	351.6	334.1
20°	756.0	753.5	720.9	663.1	597.8	532.5	472.2	416.9	369.2	329.0	314.0
22.5°	791.2	788.7	751.0	680.7	600.3	524.9	454.6	396.8	349.1	308.9	291.4
25°	823.8	818.8	776.1	688.2	595.3	509.9	437.0	374.2	329.0	288.8	271.3
27.5°	843.9	841.4	793.7	685.7	582.7	489.8	414.4	354.1	306.4	266.2	251.2
30°	849.0	851.5	793.7	673.1	562.6	469.7	391.8	331.5	283.8	248.7	231.1
31°	849.0	851.5	788.7	665.6	555.1	459.6	381.8	324.0	273.8	238.6	223.5
32.5°	838.9	833.9	781.1	653.0	537.5	442.1	369.2	311.5	261.2	226.1	213.5
35°	793.7	796.2	756.0	625.4	512.4	416.9	344.1	286.3	238.6	208.5	195.9
37.5°	768.6	768.6	695.7	587.7	484.8	394.3	314.0	258.7	218.5	190.9	178.3
40°	715.8	708.3	640.5	547.5	452.1	366.7	296.4	241.1	200.9	173.3	163.3
42.5°	640.5	632.9	580.2	512.4	409.4	331.5	281.3	213.5	180.8	158.2	148.2
45°	560.1	555.1	514.9	452.1	369.2	298.9	243.6	195.9	165.8	143.2	135.6
47.5°	487.3	479.7	449.6	401.9	334.1	268.8	211.0	175.8	148.2	130.6	125.6
50°	416.9	414.4	389.3	351.6	296.4	233.6	185.9	155.7	135.6	120.6	113.0
52.5°	351.6	346.6	334.1	303.9	258.7	203.4	163.3	138.1	120.6	110.5	105.5
55°	288.8	288.8	276.3	256.2	221.0	173.3	143.2	123.1	108.0	100.5	95.4
57.5°	238.6	238.6	228.6	216.0	183.4	148.2	125.6	108.0	98.0	90.4	85.4
60°	195.9	195.9	188.4	175.8	153.2	125.6	108.0	95.4	87.9	80.4	77.9
62.5°	163.3	160.7	155.7	143.2	125.6	105.5	92.9	82.9	75.4	70.3	67.8
65°	130.6	128.1	123.1	113.0	100.5	87.9	77.9	70.3	65.3	60.3	57.8
67.5°	100.5	100.5	95.4	87.9	77.9	70.3	62.8	57.8	52.7	50.2	47.7
70°	72.8	72.8	70.3	65.3	57.8	52.7	47.7	45.2	42.7	40.2	37.7
72.5°	50.2	50.2	47.7	45.2	40.2	37.7	32.7	32.7	30.1	30.1	27.6
75°	27.6	27.6	27.6	25.1	25.1	22.6	22.6	22.6	20.1	20.1	20.1
77.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
80°	2.5	2.5	2.5	2.5	5.0	5.0	5.0	5.0	7.5	7.5	7.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
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°	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
2.5°	429.5	422.0	416.9	414.4	406.9	404.4	401.9	399.4	399.4	399.4
5°	419.5	406.9	394.3	386.8	376.8	371.7	366.7	364.2	361.7	361.7
7.5°	401.9	386.8	371.7	359.2	349.1	339.1	334.1	329.0	329.0	326.5
10°	384.3	364.2	346.6	329.0	319.0	306.4	301.4	296.4	293.9	293.9
12.5°	364.2	339.1	319.0	303.9	288.8	278.8	271.3	266.2	263.7	263.7
15°	341.6	316.5	293.9	278.8	263.7	251.2	243.6	238.6	236.1	236.1
17.5°	319.0	293.9	268.8	253.7	238.6	226.1	221.0	216.0	213.5	211.0
20°	298.9	268.8	248.7	228.6	216.0	206.0	198.4	193.4	190.9	190.9
22.5°	276.3	248.7	226.1	211.0	198.4	188.4	178.3	175.8	173.3	173.3
25°	253.7	228.6	208.5	193.4	178.3	170.8	163.3	158.2	158.2	155.7
27.5°	236.1	211.0	190.9	175.8	165.8	155.7	150.7	145.7	143.2	143.2
30°	216.0	193.4	175.8	163.3	150.7	143.2	138.1	133.1	133.1	133.1
31°	211.0	188.4	170.8	155.7	145.7	138.1	133.1	130.6	128.1	128.1
32.5°	198.4	178.3	160.7	148.2	138.1	130.6	125.6	123.1	123.1	120.6
35°	183.4	163.3	148.2	135.6	128.1	120.6	115.5	113.0	113.0	113.0
37.5°	168.3	150.7	135.6	125.6	118.0	110.5	108.0	103.0	103.0	103.0
40°	153.2	138.1	125.6	115.5	108.0	103.0	100.5	98.0	95.4	95.4
42.5°	140.7	125.6	115.5	108.0	100.5	95.4	92.9	90.4	90.4	87.9
45°	128.1	115.5	108.0	100.5	92.9	90.4	87.9	85.4	82.9	82.9
47.5°	118.0	108.0	98.0	92.9	87.9	82.9	80.4	80.4	77.9	77.9
50°	108.0	98.0	90.4	85.4	80.4	77.9	75.4	75.4	72.8	72.8
52.5°	100.5	90.4	85.4	80.4	75.4	72.8	70.3	70.3	67.8	67.8
55°	90.4	82.9	77.9	75.4	70.3	67.8	65.3	62.8	62.8	65.3
57.5°	82.9	77.9	72.8	70.3	65.3	62.8	60.3	60.3	57.8	60.3
60°	75.4	70.3	65.3	62.8	60.3	57.8	55.3	52.7	52.7	52.7
62.5°	67.8	62.8	60.3	55.3	52.7	52.7	50.2	50.2	50.2	47.7
65°	57.8	55.3	52.7	50.2	47.7	45.2	45.2	42.7	42.7	42.7
67.5°	47.7	45.2	42.7	42.7	40.2	37.7	37.7	37.7	37.7	35.2
70°	37.7	35.2	35.2	32.7	32.7	32.7	30.1	30.1	30.1	30.1
72.5°	27.6	27.6	25.1	25.1	25.1	25.1	22.6	22.6	22.6	22.6
75°	20.1	20.1	20.1	17.6	17.6	17.6	15.1	15.1	15.1	15.1
77.5°	12.6	12.6	12.6	12.6	12.6	10.0	10.0	10.0	10.0	10.0
80°	7.5	7.5	7.5	7.5	5.0	5.0	5.0	5.0	5.0	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	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)