

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: P3ART17R709840DE010 E3LCWW1H

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: P3ART17R709840DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

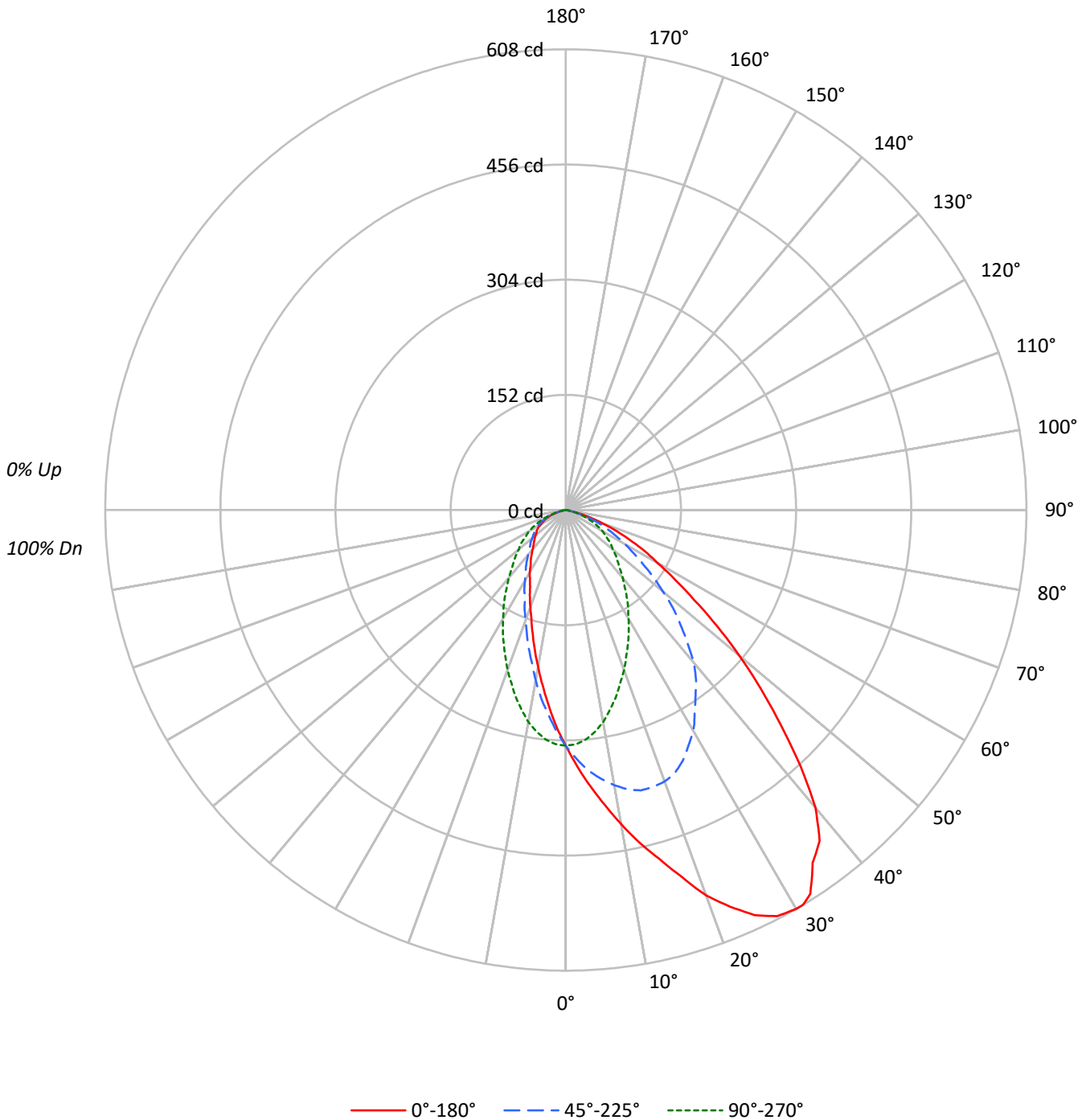
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 31.0 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): 20.4
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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	68218	68218	68218	68218	68218
5°	80365	76007	66916	59388	57011
10°	93719	82096	63281	50856	46848
15°	108196	86970	57980	42861	38388
20°	126338	88978	52458	36100	31899
25°	142726	88336	46987	30897	26977
30°	153922	85152	41905	27321	24130
35°	152130	79933	37557	24547	21656
40°	146732	75169	33463	22127	19551
45°	124385	66363	30112	20622	18421
50°	101864	57073	27598	19650	17808
55°	79061	47444	26111	19268	17892
60°	61530	39427	24472	18946	16578
65°	48514	32636	21481	17745	15877
70°	33467	24235	17311	15003	13848
75°	16775	13725	12200	10675	9150
80°	2273	4546	6819	4546	2273
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 124385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	4.6
10°-20°	81.1	12.8
20°-30°	119.5	18.9
30°-40°	133.9	21.2
40°-50°	117.7	18.6
50°-60°	84.3	13.3
60°-70°	49.9	7.9
70°-80°	16.8	2.6
80°-90°	0.8	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°	229.6	36.3
0°-40°	363.6	57.4
0°-60°	565.6	89.3
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	311	311	311	311	311	
5°	365	345	304	270	259	36
15°	477	383	255	189	169	137
25°	590	365	194	128	112	271
35°	568	299	140	92	81	357
45°	401	214	97	66	59	310
55°	207	124	68	50	47	189
65°	94	63	41	34	31	93
75°	20	16	14	13	11	24
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°	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1
2.5°	338.1	338.1	338.1	334.5	334.5	329.1	325.5	320.1	316.5	311.1	309.3
5°	365.1	365.1	361.5	357.9	352.5	345.3	336.3	327.3	316.5	307.5	304.0
7.5°	392.1	393.9	388.5	381.3	370.5	357.9	345.3	330.9	314.7	302.2	295.0
10°	420.9	420.9	413.7	402.9	386.7	368.7	348.9	329.1	309.3	291.4	284.2
12.5°	449.6	447.8	438.8	422.7	402.9	377.7	350.7	325.5	302.2	280.6	269.8
15°	476.6	476.6	464.0	444.2	415.5	383.1	350.7	318.3	291.4	266.2	255.4
17.5°	507.2	507.2	491.0	460.4	424.5	383.1	345.3	309.3	278.8	251.8	239.2
20°	541.4	539.6	516.2	474.8	428.1	381.3	338.1	298.6	264.4	235.6	224.8
22.5°	566.5	564.7	537.8	487.4	429.8	375.9	325.5	284.2	250.0	221.2	208.6
25°	589.9	586.3	555.7	492.8	426.3	365.1	312.9	268.0	235.6	206.8	194.2
27.5°	604.3	602.5	568.3	491.0	417.3	350.7	296.8	253.6	219.4	190.6	179.9
30°	607.9	609.7	568.3	482.0	402.9	336.3	280.6	237.4	203.2	178.1	165.5
31°	607.9	609.7	564.7	476.6	397.5	329.1	273.4	232.0	196.0	170.9	160.1
32.5°	600.7	597.1	559.3	467.6	384.9	316.5	264.4	223.0	187.0	161.9	152.9
35°	568.3	570.1	541.4	447.8	366.9	298.6	246.4	205.0	170.9	149.3	140.3
37.5°	550.4	550.4	498.2	420.9	347.1	282.4	224.8	185.2	156.5	136.7	127.7
40°	512.6	507.2	458.6	392.1	323.7	262.6	212.2	172.7	143.9	124.1	116.9
42.5°	458.6	453.2	415.5	366.9	293.2	237.4	201.4	152.9	129.5	113.3	106.1
45°	401.1	397.5	368.7	323.7	264.4	214.0	174.5	140.3	118.7	102.5	97.1
47.5°	348.9	343.5	321.9	287.8	239.2	192.4	151.1	125.9	106.1	93.5	89.9
50°	298.6	296.8	278.8	251.8	212.2	167.3	133.1	111.5	97.1	86.3	80.9
52.5°	251.8	248.2	239.2	217.6	185.2	145.7	116.9	98.9	86.3	79.1	75.5
55°	206.8	206.8	197.8	183.5	158.3	124.1	102.5	88.1	77.3	71.9	68.3
57.5°	170.9	170.9	163.7	154.7	131.3	106.1	89.9	77.3	70.1	64.7	61.2
60°	140.3	140.3	134.9	125.9	109.7	89.9	77.3	68.3	62.9	57.6	55.8
62.5°	116.9	115.1	111.5	102.5	89.9	75.5	66.5	59.4	54.0	50.4	48.6
65°	93.5	91.7	88.1	80.9	71.9	62.9	55.8	50.4	46.8	43.2	41.4
67.5°	71.9	71.9	68.3	62.9	55.8	50.4	45.0	41.4	37.8	36.0	34.2
70°	52.2	52.2	50.4	46.8	41.4	37.8	34.2	32.4	30.6	28.8	27.0
72.5°	36.0	36.0	34.2	32.4	28.8	27.0	23.4	23.4	21.6	21.6	19.8
75°	19.8	19.8	19.8	18.0	18.0	16.2	16.2	16.2	14.4	14.4	14.4
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6	5.4	5.4	5.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1	311.1
2.5°	307.5	302.2	298.6	296.8	291.4	289.6	287.8	286.0	286.0	286.0
5°	300.4	291.4	282.4	277.0	269.8	266.2	262.6	260.8	259.0	259.0
7.5°	287.8	277.0	266.2	257.2	250.0	242.8	239.2	235.6	235.6	233.8
10°	275.2	260.8	248.2	235.6	228.4	219.4	215.8	212.2	210.4	210.4
12.5°	260.8	242.8	228.4	217.6	206.8	199.6	194.2	190.6	188.8	188.8
15°	244.6	226.6	210.4	199.6	188.8	179.9	174.5	170.9	169.1	169.1
17.5°	228.4	210.4	192.4	181.7	170.9	161.9	158.3	154.7	152.9	151.1
20°	214.0	192.4	178.1	163.7	154.7	147.5	142.1	138.5	136.7	136.7
22.5°	197.8	178.1	161.9	151.1	142.1	134.9	127.7	125.9	124.1	124.1
25°	181.7	163.7	149.3	138.5	127.7	122.3	116.9	113.3	113.3	111.5
27.5°	169.1	151.1	136.7	125.9	118.7	111.5	107.9	104.3	102.5	102.5
30°	154.7	138.5	125.9	116.9	107.9	102.5	98.9	95.3	95.3	95.3
31°	151.1	134.9	122.3	111.5	104.3	98.9	95.3	93.5	91.7	91.7
32.5°	142.1	127.7	115.1	106.1	98.9	93.5	89.9	88.1	88.1	86.3
35°	131.3	116.9	106.1	97.1	91.7	86.3	82.7	80.9	80.9	80.9
37.5°	120.5	107.9	97.1	89.9	84.5	79.1	77.3	73.7	73.7	73.7
40°	109.7	98.9	89.9	82.7	77.3	73.7	71.9	70.1	68.3	68.3
42.5°	100.7	89.9	82.7	77.3	71.9	68.3	66.5	64.7	64.7	62.9
45°	91.7	82.7	77.3	71.9	66.5	64.7	62.9	61.2	59.4	59.4
47.5°	84.5	77.3	70.1	66.5	62.9	59.4	57.6	57.6	55.8	55.8
50°	77.3	70.1	64.7	61.2	57.6	55.8	54.0	54.0	52.2	52.2
52.5°	71.9	64.7	61.2	57.6	54.0	52.2	50.4	50.4	48.6	48.6
55°	64.7	59.4	55.8	54.0	50.4	48.6	46.8	45.0	45.0	46.8
57.5°	59.4	55.8	52.2	50.4	46.8	45.0	43.2	43.2	41.4	43.2
60°	54.0	50.4	46.8	45.0	43.2	41.4	39.6	37.8	37.8	37.8
62.5°	48.6	45.0	43.2	39.6	37.8	37.8	36.0	36.0	36.0	34.2
65°	41.4	39.6	37.8	36.0	34.2	32.4	32.4	30.6	30.6	30.6
67.5°	34.2	32.4	30.6	30.6	28.8	27.0	27.0	27.0	27.0	25.2
70°	27.0	25.2	25.2	23.4	23.4	23.4	21.6	21.6	21.6	21.6
72.5°	19.8	19.8	18.0	18.0	18.0	18.0	16.2	16.2	16.2	16.2
75°	14.4	14.4	14.4	12.6	12.6	12.6	10.8	10.8	10.8	10.8
77.5°	9.0	9.0	9.0	9.0	9.0	7.2	7.2	7.2	7.2	7.2
80°	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	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)