

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: P3ART13R709835DE010 E3LCWW1WMH

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: P3ART13R709835DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

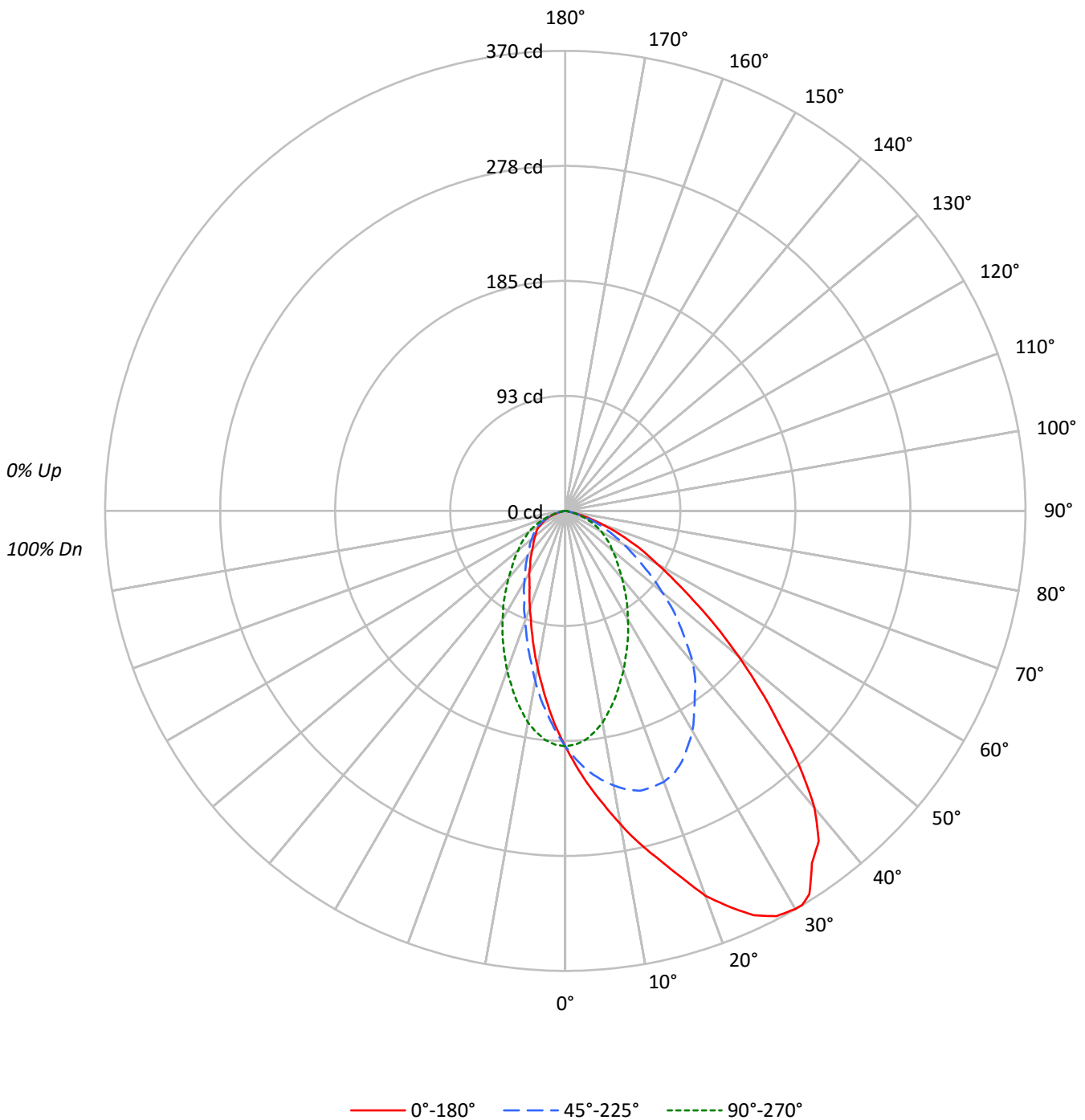
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 26.6 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): 14.5
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
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°	41488	41488	41488	41488	41488
5°	48888	46225	40700	36121	34669
10°	57002	49921	38476	30928	28501
15°	65812	52895	35256	26084	23337
20°	76843	54115	31899	21959	19392
25°	86811	53737	28574	18799	16404
30°	93609	51805	25472	16610	14686
35°	92541	48613	22834	14937	13170
40°	89253	45714	20352	13454	11908
45°	75636	40376	18327	12559	11195
50°	61951	34694	16784	11940	10814
55°	48094	28864	15904	11699	10857
60°	37409	23989	14867	11534	10087
65°	29523	19872	13075	10792	9651
70°	20324	14746	10515	9104	8399
75°	10167	8303	7456	6524	5592
80°	1389	2778	4167	2778	1389
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	4.6
10°-20°	49.3	12.8
20°-30°	72.7	18.9
30°-40°	81.5	21.2
40°-50°	71.6	18.6
50°-60°	51.2	13.3
60°-70°	30.4	7.9
70°-80°	10.2	2.6
80°-90°	0.5	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°	139.7	36.3
0°-40°	221.1	57.4
0°-60°	344.0	89.3
0°-90°	385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	189	189	189	189	189	
5°	222	210	185	164	158	22
15°	290	233	155	115	103	84
25°	359	222	118	78	68	165
35°	346	182	85	56	49	217
45°	244	130	59	40	36	189
55°	126	76	42	31	28	115
65°	57	38	25	21	19	57
75°	12	10	9	8	7	15
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°	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2
2.5°	205.7	205.7	205.7	203.5	203.5	200.2	198.0	194.7	192.5	189.2	188.1
5°	222.1	222.1	219.9	217.7	214.4	210.0	204.6	199.1	192.5	187.1	184.9
7.5°	238.5	239.6	236.3	231.9	225.3	217.7	210.0	201.3	191.4	183.8	179.4
10°	256.0	256.0	251.6	245.0	235.2	224.2	212.2	200.2	188.1	177.2	172.8
12.5°	273.5	272.4	266.9	257.1	245.0	229.7	213.3	198.0	183.8	170.6	164.1
15°	289.9	289.9	282.2	270.2	252.7	233.0	213.3	193.6	177.2	161.9	155.3
17.5°	308.5	308.5	298.6	280.0	258.2	233.0	210.0	188.1	169.6	153.1	145.5
20°	329.3	328.2	313.9	288.8	260.3	231.9	205.7	181.6	160.8	143.3	136.7
22.5°	344.6	343.5	327.1	296.4	261.4	228.6	198.0	172.8	152.1	134.5	126.9
25°	358.8	356.6	338.0	299.7	259.3	222.1	190.3	163.0	143.3	125.8	118.1
27.5°	367.5	366.5	345.7	298.6	253.8	213.3	180.5	154.2	133.5	116.0	109.4
30°	369.7	370.8	345.7	293.2	245.0	204.6	170.6	144.4	123.6	108.3	100.6
31°	369.7	370.8	343.5	289.9	241.8	200.2	166.3	141.1	119.2	103.9	97.4
32.5°	365.4	363.2	340.2	284.4	234.1	192.5	160.8	135.6	113.8	98.5	93.0
35°	345.7	346.8	329.3	272.4	223.2	181.6	149.9	124.7	103.9	90.8	85.3
37.5°	334.7	334.7	303.0	256.0	211.1	171.7	136.7	112.7	95.2	83.1	77.7
40°	311.8	308.5	278.9	238.5	196.9	159.7	129.1	105.0	87.5	75.5	71.1
42.5°	278.9	275.7	252.7	223.2	178.3	144.4	122.5	93.0	78.8	68.9	64.5
45°	243.9	241.8	224.2	196.9	160.8	130.2	106.1	85.3	72.2	62.4	59.1
47.5°	212.2	208.9	195.8	175.0	145.5	117.0	91.9	76.6	64.5	56.9	54.7
50°	181.6	180.5	169.6	153.1	129.1	101.7	80.9	67.8	59.1	52.5	49.2
52.5°	153.1	151.0	145.5	132.4	112.7	88.6	71.1	60.2	52.5	48.1	45.9
55°	125.8	125.8	120.3	111.6	96.3	75.5	62.4	53.6	47.0	43.8	41.6
57.5°	103.9	103.9	99.5	94.1	79.9	64.5	54.7	47.0	42.7	39.4	37.2
60°	85.3	85.3	82.0	76.6	66.7	54.7	47.0	41.6	38.3	35.0	33.9
62.5°	71.1	70.0	67.8	62.4	54.7	45.9	40.5	36.1	32.8	30.6	29.5
65°	56.9	55.8	53.6	49.2	43.8	38.3	33.9	30.6	28.4	26.3	25.2
67.5°	43.8	43.8	41.6	38.3	33.9	30.6	27.3	25.2	23.0	21.9	20.8
70°	31.7	31.7	30.6	28.4	25.2	23.0	20.8	19.7	18.6	17.5	16.4
72.5°	21.9	21.9	20.8	19.7	17.5	16.4	14.2	14.2	13.1	13.1	12.0
75°	12.0	12.0	12.0	10.9	10.9	9.8	9.8	9.8	8.8	8.8	8.8
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
80°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.3	3.3	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2	189.2
2.5°	187.1	183.8	181.6	180.5	177.2	176.1	175.0	173.9	173.9	173.9
5°	182.7	177.2	171.7	168.5	164.1	161.9	159.7	158.6	157.5	157.5
7.5°	175.0	168.5	161.9	156.4	152.1	147.7	145.5	143.3	143.3	142.2
10°	167.4	158.6	151.0	143.3	138.9	133.5	131.3	129.1	128.0	128.0
12.5°	158.6	147.7	138.9	132.4	125.8	121.4	118.1	116.0	114.9	114.9
15°	148.8	137.8	128.0	121.4	114.9	109.4	106.1	103.9	102.8	102.8
17.5°	138.9	128.0	117.0	110.5	103.9	98.5	96.3	94.1	93.0	91.9
20°	130.2	117.0	108.3	99.5	94.1	89.7	86.4	84.2	83.1	83.1
22.5°	120.3	108.3	98.5	91.9	86.4	82.0	77.7	76.6	75.5	75.5
25°	110.5	99.5	90.8	84.2	77.7	74.4	71.1	68.9	68.9	67.8
27.5°	102.8	91.9	83.1	76.6	72.2	67.8	65.6	63.4	62.4	62.4
30°	94.1	84.2	76.6	71.1	65.6	62.4	60.2	58.0	58.0	58.0
31°	91.9	82.0	74.4	67.8	63.4	60.2	58.0	56.9	55.8	55.8
32.5°	86.4	77.7	70.0	64.5	60.2	56.9	54.7	53.6	53.6	52.5
35°	79.9	71.1	64.5	59.1	55.8	52.5	50.3	49.2	49.2	49.2
37.5°	73.3	65.6	59.1	54.7	51.4	48.1	47.0	44.8	44.8	44.8
40°	66.7	60.2	54.7	50.3	47.0	44.8	43.8	42.7	41.6	41.6
42.5°	61.3	54.7	50.3	47.0	43.8	41.6	40.5	39.4	39.4	38.3
45°	55.8	50.3	47.0	43.8	40.5	39.4	38.3	37.2	36.1	36.1
47.5°	51.4	47.0	42.7	40.5	38.3	36.1	35.0	35.0	33.9	33.9
50°	47.0	42.7	39.4	37.2	35.0	33.9	32.8	32.8	31.7	31.7
52.5°	43.8	39.4	37.2	35.0	32.8	31.7	30.6	30.6	29.5	29.5
55°	39.4	36.1	33.9	32.8	30.6	29.5	28.4	27.3	27.3	28.4
57.5°	36.1	33.9	31.7	30.6	28.4	27.3	26.3	26.3	25.2	26.3
60°	32.8	30.6	28.4	27.3	26.3	25.2	24.1	23.0	23.0	23.0
62.5°	29.5	27.3	26.3	24.1	23.0	23.0	21.9	21.9	21.9	20.8
65°	25.2	24.1	23.0	21.9	20.8	19.7	19.7	18.6	18.6	18.6
67.5°	20.8	19.7	18.6	18.6	17.5	16.4	16.4	16.4	16.4	15.3
70°	16.4	15.3	15.3	14.2	14.2	14.2	13.1	13.1	13.1	13.1
72.5°	12.0	12.0	10.9	10.9	10.9	10.9	9.8	9.8	9.8	9.8
75°	8.8	8.8	8.8	7.7	7.7	7.7	6.6	6.6	6.6	6.6
77.5°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	4.4	4.4	4.4
80°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	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)