

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: P1445543

Luminaire Tested: P3ART13R709024DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445543
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: P3ART13R709024DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

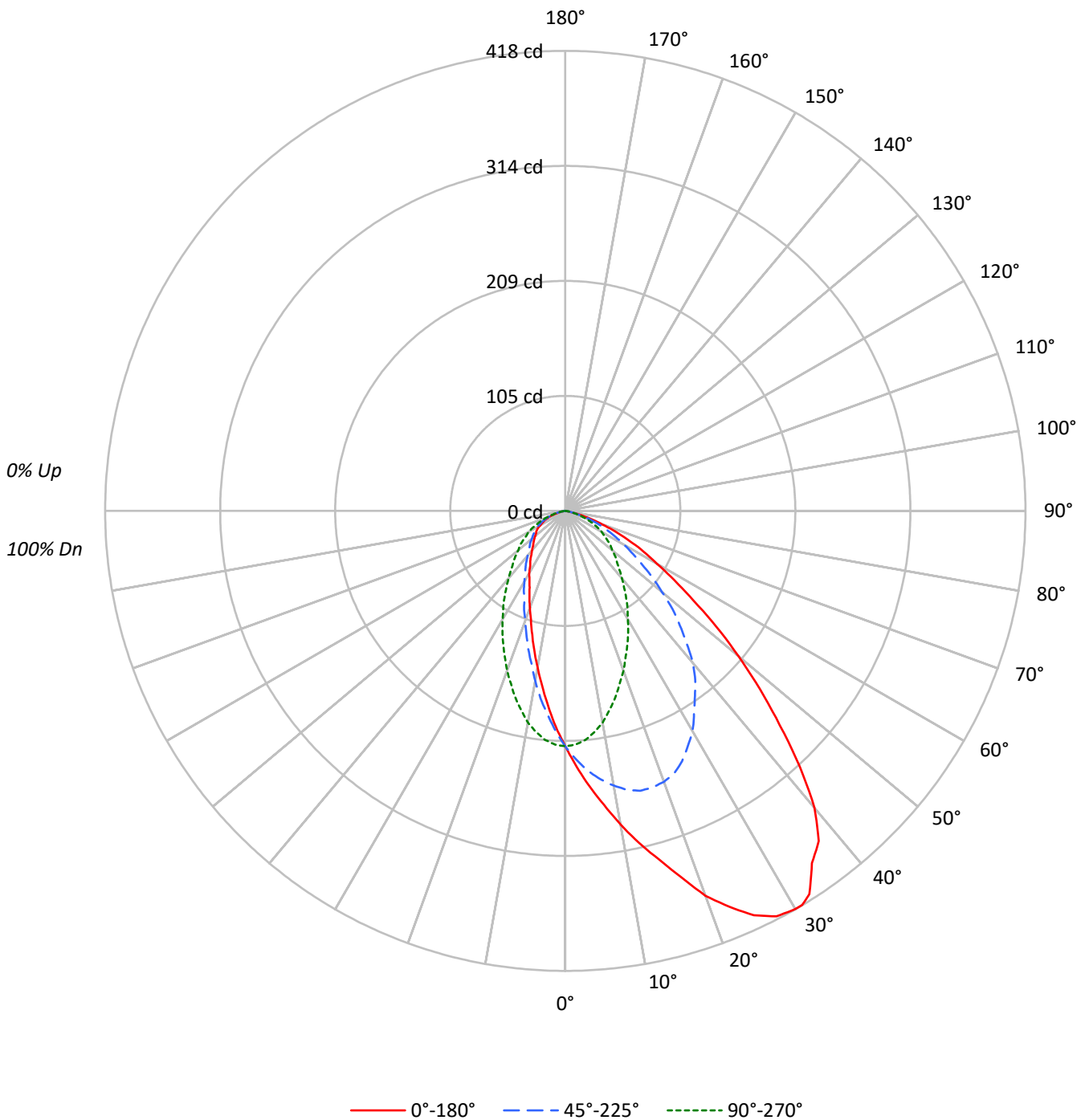
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 435.0 lumens
Efficiency: N/A
Efficacy: 29.8 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): 14.6
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		
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°	46882	46882	46882	46882	46882
5°	55228	52234	45983	40810	39181
10°	64394	56423	43486	34958	32197
15°	74348	59773	39841	29467	26379
20°	86808	61139	36053	24805	21912
25°	98086	60705	32300	21243	18533
30°	105788	58515	28789	18788	16585
35°	104561	54930	25806	16865	14884
40°	100817	51640	22986	15200	13454
45°	85466	45617	20684	14172	12652
50°	70002	39197	18967	13509	12213
55°	54325	32611	17968	13228	12272
60°	42277	27103	16797	13025	11403
65°	33363	22467	14736	12193	10896
70°	22953	16669	11861	10322	9489
75°	11522	9404	8388	7371	6270
80°	1515	3157	4672	3157	1515
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 85466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	4.6
10°-20°	55.7	12.8
20°-30°	82.1	18.9
30°-40°	92.0	21.2
40°-50°	80.9	18.6
50°-60°	57.9	13.3
60°-70°	34.3	7.9
70°-80°	11.5	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°	157.8	36.3
0°-40°	249.8	57.4
0°-60°	388.7	89.3
0°-90°	435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	435.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	214	214	214	214	214	
5°	251	237	209	185	178	25
15°	328	263	176	130	116	94
25°	405	251	134	88	77	186
35°	391	205	96	63	56	245
45°	276	147	67	46	41	213
55°	142	85	47	35	32	130
65°	64	43	28	24	21	64
75°	14	11	10	9	7	17
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°	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8
2.5°	232.4	232.4	232.4	229.9	229.9	226.2	223.7	220.0	217.5	213.8	212.6
5°	250.9	250.9	248.4	246.0	242.2	237.3	231.1	224.9	217.5	211.3	208.9
7.5°	269.4	270.7	267.0	262.0	254.6	246.0	237.3	227.4	216.3	207.6	202.7
10°	289.2	289.2	284.3	276.9	265.7	253.4	239.8	226.2	212.6	200.2	195.3
12.5°	309.0	307.8	301.6	290.5	276.9	259.6	241.0	223.7	207.6	192.8	185.4
15°	327.5	327.5	318.9	305.3	285.5	263.3	241.0	218.8	200.2	182.9	175.5
17.5°	348.5	348.5	337.4	316.4	291.7	263.3	237.3	212.6	191.6	173.0	164.4
20°	372.0	370.8	354.7	326.3	294.2	262.0	232.4	205.2	181.7	161.9	154.5
22.5°	389.3	388.1	369.6	334.9	295.4	258.3	223.7	195.3	171.8	152.0	143.4
25°	405.4	402.9	381.9	338.7	292.9	250.9	215.1	184.2	161.9	142.1	133.5
27.5°	415.3	414.0	390.6	337.4	286.7	241.0	203.9	174.3	150.8	131.0	123.6
30°	417.8	419.0	390.6	331.2	276.9	231.1	192.8	163.1	139.7	122.4	113.7
31°	417.8	419.0	388.1	327.5	273.1	226.2	187.9	159.4	134.7	117.4	110.0
32.5°	412.8	410.3	384.4	321.3	264.5	217.5	181.7	153.3	128.5	111.2	105.1
35°	390.6	391.8	372.0	307.8	252.1	205.2	169.3	140.9	117.4	102.6	96.4
37.5°	378.2	378.2	342.4	289.2	238.5	194.0	154.5	127.3	107.5	93.9	87.8
40°	352.2	348.5	315.2	269.4	222.5	180.4	145.8	118.7	98.9	85.3	80.3
42.5°	315.2	311.5	285.5	252.1	201.5	163.1	138.4	105.1	89.0	77.9	72.9
45°	275.6	273.1	253.4	222.5	181.7	147.1	119.9	96.4	81.6	70.4	66.7
47.5°	239.8	236.1	221.2	197.8	164.4	132.2	103.8	86.5	72.9	64.3	61.8
50°	205.2	203.9	191.6	173.0	145.8	114.9	91.5	76.6	66.7	59.3	55.6
52.5°	173.0	170.6	164.4	149.6	127.3	100.1	80.3	68.0	59.3	54.4	51.9
55°	142.1	142.1	136.0	126.1	108.8	85.3	70.4	60.6	53.1	49.4	47.0
57.5°	117.4	117.4	112.5	106.3	90.2	72.9	61.8	53.1	48.2	44.5	42.0
60°	96.4	96.4	92.7	86.5	75.4	61.8	53.1	47.0	43.3	39.6	38.3
62.5°	80.3	79.1	76.6	70.4	61.8	51.9	45.7	40.8	37.1	34.6	33.4
65°	64.3	63.0	60.6	55.6	49.4	43.3	38.3	34.6	32.1	29.7	28.4
67.5°	49.4	49.4	47.0	43.3	38.3	34.6	30.9	28.4	26.0	24.7	23.5
70°	35.8	35.8	34.6	32.1	28.4	26.0	23.5	22.2	21.0	19.8	18.5
72.5°	24.7	24.7	23.5	22.2	19.8	18.5	16.1	16.1	14.8	14.8	13.6
75°	13.6	13.6	13.6	12.4	12.4	11.1	11.1	11.1	9.9	9.9	9.9
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
80°	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	3.7	3.7	3.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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°	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8
2.5°	211.3	207.6	205.2	203.9	200.2	199.0	197.8	196.5	196.5	196.5
5°	206.4	200.2	194.0	190.3	185.4	182.9	180.4	179.2	178.0	178.0
7.5°	197.8	190.3	182.9	176.7	171.8	166.9	164.4	161.9	161.9	160.7
10°	189.1	179.2	170.6	161.9	157.0	150.8	148.3	145.8	144.6	144.6
12.5°	179.2	166.9	157.0	149.6	142.1	137.2	133.5	131.0	129.8	129.8
15°	168.1	155.7	144.6	137.2	129.8	123.6	119.9	117.4	116.2	116.2
17.5°	157.0	144.6	132.2	124.8	117.4	111.2	108.8	106.3	105.1	103.8
20°	147.1	132.2	122.4	112.5	106.3	101.3	97.6	95.2	93.9	93.9
22.5°	136.0	122.4	111.2	103.8	97.6	92.7	87.8	86.5	85.3	85.3
25°	124.8	112.5	102.6	95.2	87.8	84.0	80.3	77.9	77.9	76.6
27.5°	116.2	103.8	93.9	86.5	81.6	76.6	74.2	71.7	70.4	70.4
30°	106.3	95.2	86.5	80.3	74.2	70.4	68.0	65.5	65.5	65.5
31°	103.8	92.7	84.0	76.6	71.7	68.0	65.5	64.3	63.0	63.0
32.5°	97.6	87.8	79.1	72.9	68.0	64.3	61.8	60.6	60.6	59.3
35°	90.2	80.3	72.9	66.7	63.0	59.3	56.9	55.6	55.6	55.6
37.5°	82.8	74.2	66.7	61.8	58.1	54.4	53.1	50.7	50.7	50.7
40°	75.4	68.0	61.8	56.9	53.1	50.7	49.4	48.2	47.0	47.0
42.5°	69.2	61.8	56.9	53.1	49.4	47.0	45.7	44.5	44.5	43.3
45°	63.0	56.9	53.1	49.4	45.7	44.5	43.3	42.0	40.8	40.8
47.5°	58.1	53.1	48.2	45.7	43.3	40.8	39.6	39.6	38.3	38.3
50°	53.1	48.2	44.5	42.0	39.6	38.3	37.1	37.1	35.8	35.8
52.5°	49.4	44.5	42.0	39.6	37.1	35.8	34.6	34.6	33.4	33.4
55°	44.5	40.8	38.3	37.1	34.6	33.4	32.1	30.9	30.9	32.1
57.5°	40.8	38.3	35.8	34.6	32.1	30.9	29.7	29.7	28.4	29.7
60°	37.1	34.6	32.1	30.9	29.7	28.4	27.2	26.0	26.0	26.0
62.5°	33.4	30.9	29.7	27.2	26.0	26.0	24.7	24.7	24.7	23.5
65°	28.4	27.2	26.0	24.7	23.5	22.2	22.2	21.0	21.0	21.0
67.5°	23.5	22.2	21.0	21.0	19.8	18.5	18.5	18.5	18.5	17.3
70°	18.5	17.3	17.3	16.1	16.1	16.1	14.8	14.8	14.8	14.8
72.5°	13.6	13.6	12.4	12.4	12.4	12.4	11.1	11.1	11.1	11.1
75°	9.9	9.9	9.9	8.7	8.7	8.7	7.4	7.4	7.4	7.4
77.5°	6.2	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	4.9
80°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	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)