

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: P3ART09R709827DE010 E3CLSWW1MW

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: P3ART09R709827DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

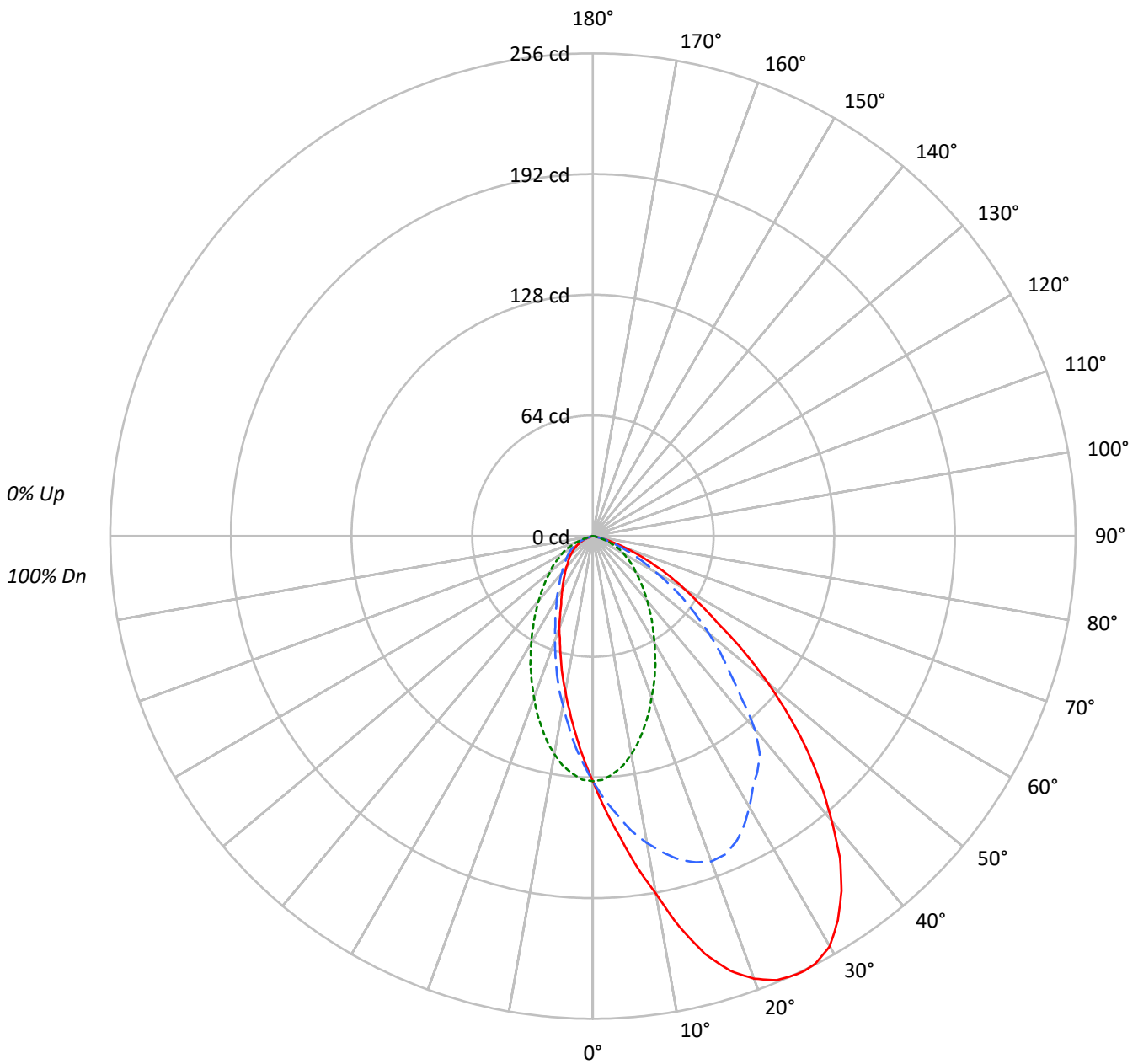
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 259.0 lumens
Efficiency: N/A
Efficacy: 23.5 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): 11
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28506	28506	28506	28506	28506
5°	35087	32666	27801	24411	23112
10°	42863	36806	26163	20285	18637
15°	52032	40363	23837	16845	15006
20°	58292	42844	21259	13721	12181
25°	62036	43357	18848	11372	9605
30°	63605	42032	16560	9672	8178
35°	61542	40716	14562	8272	7067
40°	56363	38272	12824	7357	6298
45°	49897	31879	11381	6822	5706
50°	41346	27325	10030	6277	5254
55°	31158	22747	9252	5887	4779
60°	24472	17060	8377	5482	4166
65°	18316	12556	7264	4566	3424
70°	11797	8014	5193	3270	1859
75°	4999	4321	2457	1271	593
80°	884	884	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 49897 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	4.8
10°-20°	35.5	13.7
20°-30°	51.9	20.0
30°-40°	56.6	21.8
40°-50°	48.9	18.9
50°-60°	32.8	12.7
60°-70°	16.9	6.5
70°-80°	4.0	1.5
80°-90°	0.0	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°	99.7	38.5
0°-40°	156.3	60.3
0°-60°	238.0	91.9
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	159	148	126	111	105	16
15°	229	178	105	74	66	65
25°	256	179	78	47	40	118
35°	230	152	54	31	26	142
45°	161	103	37	22	18	123
55°	82	60	24	15	12	75
65°	35	24	14	9	7	36
75°	6	5	3	2	1	8
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°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
2.5°	144.7	144.0	144.0	142.5	141.0	139.6	137.4	135.2	133.0	130.8	129.3
5°	159.4	160.1	159.4	156.5	152.8	148.4	144.0	138.8	133.7	129.3	126.3
7.5°	176.3	176.3	174.1	170.4	165.3	157.9	150.6	141.8	133.7	126.3	122.7
10°	192.5	192.5	188.8	182.9	174.8	165.3	155.0	143.2	132.2	121.9	117.5
12.5°	212.3	211.6	207.2	197.6	185.9	171.9	157.9	143.2	130.0	117.5	111.7
15°	229.2	228.5	222.6	210.8	195.4	177.8	158.7	141.8	125.6	111.7	105.0
17.5°	241.7	240.2	233.6	221.1	203.5	181.4	159.4	138.8	120.5	105.0	98.4
20°	249.8	249.0	241.7	227.0	207.9	183.6	158.7	135.2	115.3	98.4	91.1
22.5°	254.9	253.4	246.1	229.9	207.9	182.9	155.7	130.0	108.7	91.8	84.5
25°	256.4	255.6	246.8	229.2	205.7	179.2	151.3	124.9	102.1	85.2	77.9
26°	256.4	255.6	246.8	228.5	204.2	177.0	149.1	122.7	99.9	82.3	75.7
27.5°	255.6	254.9	245.4	226.3	201.3	173.4	144.7	118.3	95.5	78.6	71.3
30°	251.2	249.8	240.2	221.1	194.7	166.0	137.4	111.7	88.9	72.0	65.4
32.5°	241.7	240.2	229.9	212.3	187.3	157.9	129.3	104.3	82.3	65.4	59.5
35°	229.9	228.5	218.2	201.3	177.0	152.1	120.5	96.2	74.9	60.2	54.4
37.5°	215.2	213.0	204.2	186.6	164.5	145.4	113.1	88.2	68.3	54.4	49.2
40°	196.9	196.1	188.1	171.9	149.9	133.7	108.7	88.2	62.4	49.2	44.8
42.5°	179.2	177.8	170.4	156.5	136.6	116.8	95.5	84.5	58.0	44.1	40.4
45°	160.9	159.4	152.8	141.0	122.7	102.8	102.8	72.7	50.0	40.4	36.7
47.5°	141.0	139.6	134.4	125.6	109.5	91.8	74.9	59.5	45.5	36.0	33.1
50°	121.2	121.9	117.5	108.7	96.2	80.1	64.6	50.0	38.9	32.3	29.4
52.5°	101.4	100.6	97.7	91.8	83.0	69.1	55.1	42.6	33.8	28.6	27.2
55°	81.5	82.3	80.8	77.1	69.8	59.5	46.3	36.7	30.1	25.7	24.2
57.5°	67.6	68.3	65.4	63.2	57.3	48.5	38.2	30.9	25.7	22.8	21.3
60°	55.8	56.6	54.4	51.4	47.0	38.9	30.9	25.7	22.8	20.6	19.1
62.5°	45.5	44.8	43.3	40.4	36.7	30.9	25.0	21.3	19.1	17.6	16.9
65°	35.3	35.3	33.8	31.6	28.6	24.2	19.8	17.6	16.2	14.7	14.0
67.5°	26.4	26.4	25.0	23.5	20.6	17.6	15.4	14.0	13.2	11.8	11.0
70°	18.4	18.4	17.6	16.9	14.7	12.5	11.8	10.3	9.5	8.8	8.1
72.5°	11.8	11.8	11.8	10.3	9.5	8.1	8.1	7.3	6.6	5.9	5.9
75°	5.9	6.6	5.9	5.9	5.1	5.1	4.4	4.4	3.7	3.7	2.9
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
2.5°	127.8	125.6	124.1	121.9	120.5	119.0	118.3	117.5	117.5	117.5
5°	124.1	120.5	116.8	113.1	110.9	108.7	106.5	105.8	105.0	105.0
7.5°	119.7	113.9	108.7	104.3	100.6	98.4	96.2	94.8	94.0	94.0
10°	113.9	106.5	100.6	94.8	91.1	88.2	86.7	84.5	84.5	83.7
12.5°	107.3	98.4	91.8	86.7	83.0	79.3	77.1	75.7	74.9	74.9
15°	99.9	91.1	83.7	77.9	74.2	70.5	68.3	66.8	66.1	66.1
17.5°	92.6	83.0	75.7	69.8	66.1	62.4	60.2	58.8	58.8	58.0
20°	85.2	75.7	68.3	62.4	58.8	55.8	53.6	52.2	51.4	52.2
22.5°	78.6	69.1	61.7	56.6	52.2	49.2	47.0	46.3	45.5	45.5
25°	71.3	62.4	55.8	50.7	47.0	44.1	41.9	41.1	40.4	39.7
26°	69.1	60.2	53.6	48.5	44.8	41.9	40.4	38.9	38.2	38.2
27.5°	66.1	56.6	50.7	45.5	41.9	39.7	37.5	36.7	36.0	36.0
30°	59.5	51.4	45.5	41.1	38.2	35.3	33.8	33.1	32.3	32.3
32.5°	54.4	46.3	41.1	37.5	34.5	32.3	30.9	29.4	29.4	29.4
35°	49.2	41.9	37.5	33.8	30.9	28.6	27.9	27.2	26.4	26.4
37.5°	44.8	38.2	33.8	30.9	28.6	26.4	25.0	24.2	24.2	24.2
40°	40.4	35.3	30.9	27.9	25.7	24.2	22.8	22.0	22.0	22.0
42.5°	36.7	31.6	28.6	25.7	23.5	22.0	21.3	20.6	19.8	19.8
45°	33.8	29.4	25.7	23.5	22.0	20.6	19.1	18.4	18.4	18.4
47.5°	30.1	27.2	23.5	21.3	19.8	18.4	17.6	16.9	16.9	16.9
50°	27.9	25.0	22.0	19.8	18.4	16.9	16.2	15.4	15.4	15.4
52.5°	25.0	22.8	20.6	18.4	16.9	15.4	14.7	14.0	14.0	14.0
55°	22.8	20.6	18.4	16.9	15.4	14.0	13.2	12.5	12.5	12.5
57.5°	20.6	18.4	16.9	15.4	14.0	13.2	11.8	11.8	11.0	11.0
60°	18.4	16.2	14.7	14.0	12.5	11.8	10.3	9.5	9.5	9.5
62.5°	15.4	14.7	13.2	11.8	10.3	9.5	8.8	8.1	8.1	8.1
65°	13.2	12.5	11.0	9.5	8.8	8.1	7.3	6.6	6.6	6.6
67.5°	11.0	9.5	8.8	8.1	7.3	6.6	5.9	5.1	4.4	5.1
70°	8.1	7.3	6.6	5.9	5.1	4.4	3.7	3.7	2.9	2.9
72.5°	5.1	4.4	4.4	3.7	2.9	2.9	2.2	2.2	1.5	1.5
75°	2.9	2.9	2.2	2.2	1.5	1.5	0.7	0.7	0.7	0.7
77.5°	1.5	0.7	0.7	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)