

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: P1446004

Luminaire Tested: P3ART05R709035DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446004
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: P3ART05R709035DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

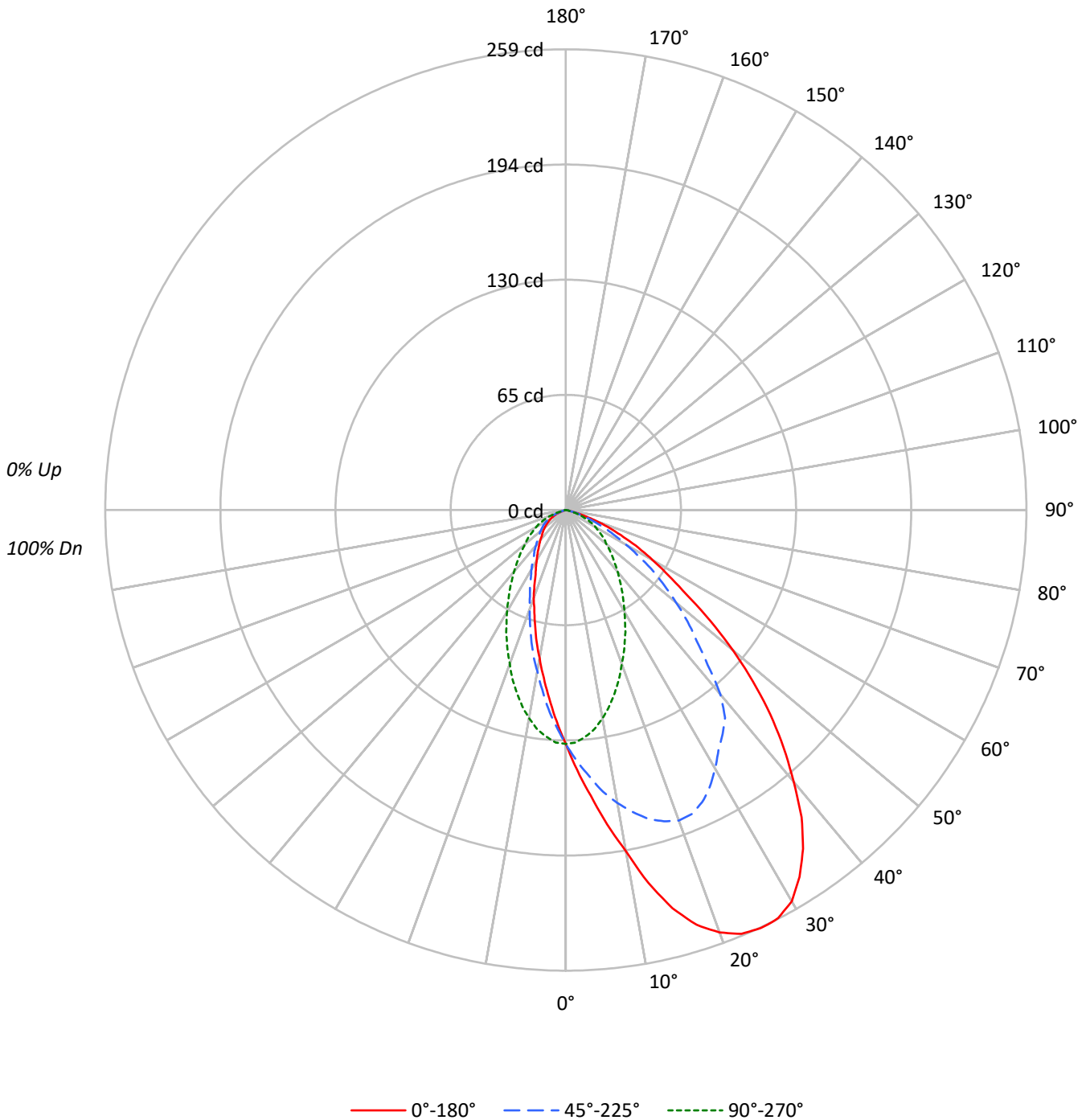
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 36.4 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): 7.2
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28835	28835	28835	28835	28835
5°	35505	33040	28131	24697	23399
10°	43353	37229	26475	20507	18860
15°	52622	40817	24132	17049	15187
20°	58968	43357	21492	13861	12321
25°	62737	43865	19066	11517	9702
30°	64339	42513	16737	9774	8280
35°	62265	41171	14723	8352	7174
40°	57021	38701	12967	7443	6383
45°	50455	32251	11536	6915	5768
50°	41824	27632	10132	6345	5322
55°	31540	23015	9366	5964	4817
60°	24779	17279	8464	5526	4254
65°	18523	12712	7316	4618	3476
70°	11925	8078	5257	3334	1923
75°	4999	4406	2542	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: 50455 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	4.8
10°-20°	35.9	13.7
20°-30°	52.5	20.0
30°-40°	57.2	21.8
40°-50°	49.5	18.9
50°-60°	33.2	12.7
60°-70°	17.1	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°	100.9	38.5
0°-40°	158.1	60.3
0°-60°	240.8	91.9
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	161	150	128	112	106	16
15°	232	180	106	75	67	66
25°	259	181	79	48	40	119
35°	233	154	55	31	27	144
45°	163	104	37	22	19	125
55°	82	60	24	16	13	76
65°	36	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	146.4	145.6	145.6	144.2	142.7	141.2	139.0	136.7	134.5	132.3	130.8
5°	161.3	162.0	161.3	158.3	154.6	150.1	145.6	140.4	135.2	130.8	127.8
7.5°	178.3	178.3	176.1	172.4	167.2	159.8	152.3	143.4	135.2	127.8	124.1
10°	194.7	194.7	191.0	185.0	176.9	167.2	156.8	144.9	133.8	123.4	118.9
12.5°	214.8	214.0	209.6	199.9	188.0	173.9	159.8	144.9	131.5	118.9	113.0
15°	231.8	231.1	225.2	213.3	197.7	179.8	160.5	143.4	127.1	113.0	106.3
17.5°	244.5	243.0	236.3	223.7	205.8	183.5	161.3	140.4	121.9	106.3	99.6
20°	252.7	251.9	244.5	229.6	210.3	185.8	160.5	136.7	116.7	99.6	92.1
22.5°	257.9	256.4	248.9	232.6	210.3	185.0	157.5	131.5	110.0	92.9	85.5
25°	259.3	258.6	249.7	231.8	208.1	181.3	153.1	126.3	103.3	86.2	78.8
26°	259.3	258.6	249.7	231.1	206.6	179.1	150.8	124.1	101.1	83.2	76.5
27.5°	258.6	257.9	248.2	228.9	203.6	175.4	146.4	119.6	96.6	79.5	72.1
30°	254.1	252.7	243.0	223.7	196.9	167.9	139.0	113.0	89.9	72.8	66.1
32.5°	244.5	243.0	232.6	214.8	189.5	159.8	130.8	105.5	83.2	66.1	60.2
35°	232.6	231.1	220.7	203.6	179.1	153.8	121.9	97.3	75.8	60.9	55.0
37.5°	217.7	215.5	206.6	188.7	166.5	147.1	114.4	89.2	69.1	55.0	49.8
40°	199.2	198.4	190.2	173.9	151.6	135.2	110.0	89.2	63.2	49.8	45.3
42.5°	181.3	179.8	172.4	158.3	138.2	118.2	96.6	85.5	58.7	44.6	40.9
45°	162.7	161.3	154.6	142.7	124.1	104.0	104.0	73.6	50.5	40.9	37.2
47.5°	142.7	141.2	136.0	127.1	110.7	92.9	75.8	60.2	46.1	36.4	33.4
50°	122.6	123.4	118.9	110.0	97.3	81.0	65.4	50.5	39.4	32.7	29.7
52.5°	102.5	101.8	98.8	92.9	84.0	69.9	55.7	43.1	34.2	29.0	27.5
55°	82.5	83.2	81.7	78.0	70.6	60.2	46.8	37.2	30.5	26.0	24.5
57.5°	68.4	69.1	66.1	63.9	58.0	49.0	38.6	31.2	26.0	23.0	21.5
60°	56.5	57.2	55.0	52.0	47.6	39.4	31.2	26.0	23.0	20.8	19.3
62.5°	46.1	45.3	43.8	40.9	37.2	31.2	25.3	21.5	19.3	17.8	17.1
65°	35.7	35.7	34.2	32.0	29.0	24.5	20.1	17.8	16.3	14.9	14.1
67.5°	26.8	26.8	25.3	23.8	20.8	17.8	15.6	14.1	13.4	11.9	11.1
70°	18.6	18.6	17.8	17.1	14.9	12.6	11.9	10.4	9.7	8.9	8.2
72.5°	11.9	11.9	11.9	10.4	9.7	8.2	8.2	7.4	6.7	5.9	5.9
75°	5.9	6.7	5.9	5.9	5.2	5.2	4.5	4.5	3.7	3.7	3.0
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°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	129.3	127.1	125.6	123.4	121.9	120.4	119.6	118.9	118.9	118.9
5°	125.6	121.9	118.2	114.4	112.2	110.0	107.7	107.0	106.3	106.3
7.5°	121.1	115.2	110.0	105.5	101.8	99.6	97.3	95.9	95.1	95.1
10°	115.2	107.7	101.8	95.9	92.1	89.2	87.7	85.5	85.5	84.7
12.5°	108.5	99.6	92.9	87.7	84.0	80.3	78.0	76.5	75.8	75.8
15°	101.1	92.1	84.7	78.8	75.1	71.3	69.1	67.6	66.9	66.9
17.5°	93.6	84.0	76.5	70.6	66.9	63.2	60.9	59.4	59.4	58.7
20°	86.2	76.5	69.1	63.2	59.4	56.5	54.2	52.8	52.0	52.8
22.5°	79.5	69.9	62.4	57.2	52.8	49.8	47.6	46.8	46.1	46.1
25°	72.1	63.2	56.5	51.3	47.6	44.6	42.4	41.6	40.9	40.1
26°	69.9	60.9	54.2	49.0	45.3	42.4	40.9	39.4	38.6	38.6
27.5°	66.9	57.2	51.3	46.1	42.4	40.1	37.9	37.2	36.4	36.4
30°	60.2	52.0	46.1	41.6	38.6	35.7	34.2	33.4	32.7	32.7
32.5°	55.0	46.8	41.6	37.9	34.9	32.7	31.2	29.7	29.7	29.7
35°	49.8	42.4	37.9	34.2	31.2	29.0	28.2	27.5	26.8	26.8
37.5°	45.3	38.6	34.2	31.2	29.0	26.8	25.3	24.5	24.5	24.5
40°	40.9	35.7	31.2	28.2	26.0	24.5	23.0	22.3	22.3	22.3
42.5°	37.2	32.0	29.0	26.0	23.8	22.3	21.5	20.8	20.1	20.1
45°	34.2	29.7	26.0	23.8	22.3	20.8	19.3	18.6	18.6	18.6
47.5°	30.5	27.5	23.8	21.5	20.1	18.6	17.8	17.1	17.1	17.1
50°	28.2	25.3	22.3	20.1	18.6	17.1	16.3	15.6	15.6	15.6
52.5°	25.3	23.0	20.8	18.6	17.1	15.6	14.9	14.1	14.1	14.1
55°	23.0	20.8	18.6	17.1	15.6	14.1	13.4	12.6	12.6	12.6
57.5°	20.8	18.6	17.1	15.6	14.1	13.4	11.9	11.9	11.1	11.1
60°	18.6	16.3	14.9	14.1	12.6	11.9	10.4	9.7	9.7	9.7
62.5°	15.6	14.9	13.4	11.9	10.4	9.7	8.9	8.2	8.2	8.2
65°	13.4	12.6	11.1	9.7	8.9	8.2	7.4	6.7	6.7	6.7
67.5°	11.1	9.7	8.9	8.2	7.4	6.7	5.9	5.2	4.5	5.2
70°	8.2	7.4	6.7	5.9	5.2	4.5	3.7	3.7	3.0	3.0
72.5°	5.2	4.5	4.5	3.7	3.0	3.0	2.2	2.2	1.5	1.5
75°	3.0	3.0	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)