

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: P1446368

Luminaire Tested: P3ART02R709727DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446368
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: P3ART02R709727DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

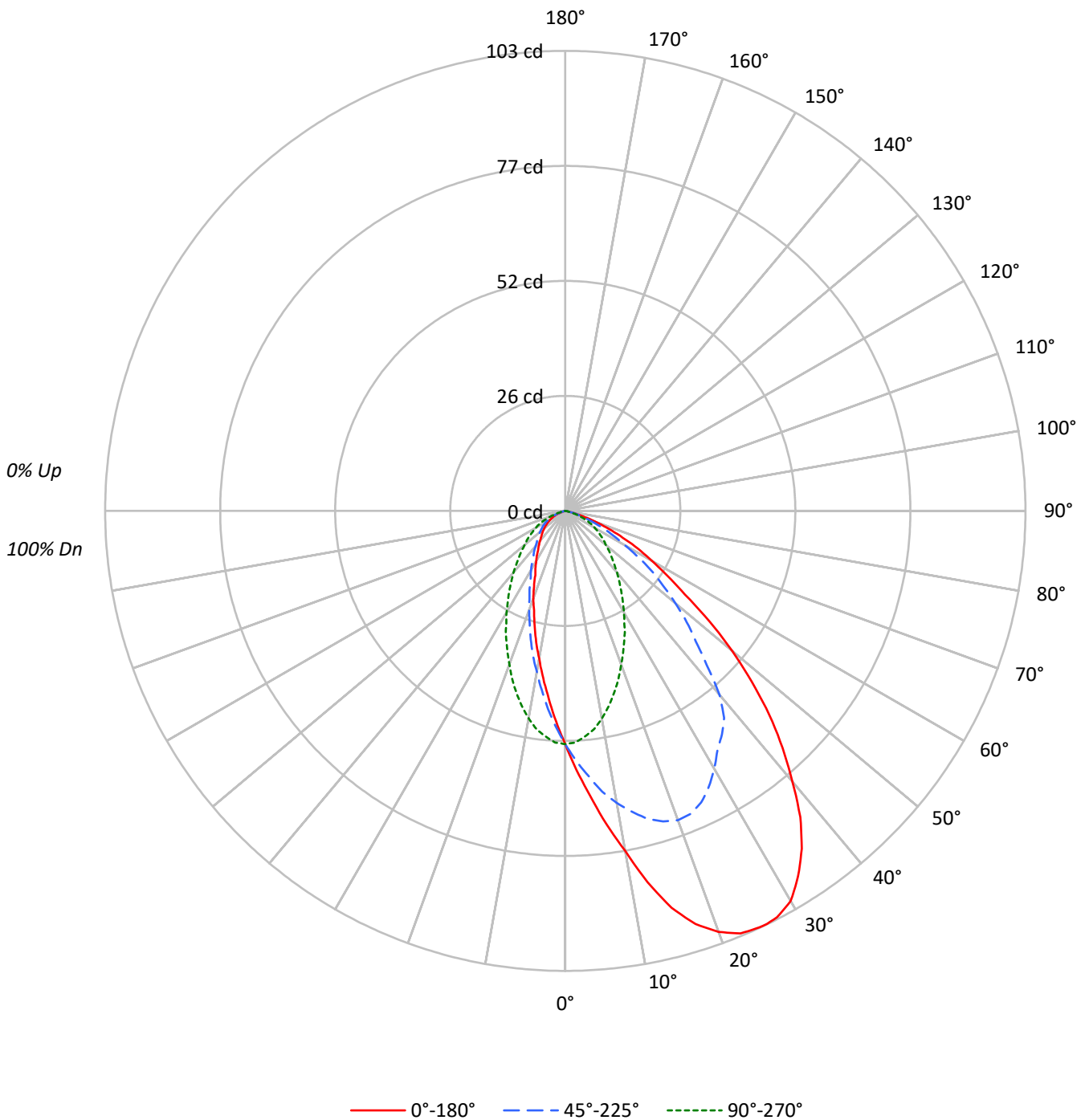
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 104.0 lumens
Efficiency: N/A
Efficacy: 28.9 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): 3.6
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°	11446	11446	11446	11446	11446
5°	14088	13119	11160	9795	9289
10°	17212	14785	10510	8149	7481
15°	20885	16209	9580	6765	6016
20°	23405	17198	8541	5507	4877
25°	24897	17420	7573	4573	3847
30°	25548	16889	6659	3874	3292
35°	24708	16356	5836	3319	2838
40°	22642	15372	5153	2948	2519
45°	20033	12808	4559	2729	2295
50°	16614	10985	4025	2524	2115
55°	12501	9137	3708	2370	1912
60°	9824	6842	3377	2193	1667
65°	7368	5033	2906	1816	1401
70°	4744	3206	2052	1346	769
75°	2033	1779	1017	508	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20033 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	4.8
10°-20°	14.3	13.7
20°-30°	20.8	20.0
30°-40°	22.7	21.8
40°-50°	19.7	18.9
50°-60°	13.2	12.7
60°-70°	6.8	6.5
70°-80°	1.6	1.6
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°	40.0	38.5
0°-40°	62.8	60.3
0°-60°	95.6	91.9
0°-90°	104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	64	60	51	44	42	7
15°	92	71	42	30	26	26
25°	103	72	31	19	16	47
35°	92	61	22	12	11	57
45°	65	41	15	9	7	49
55°	33	24	10	6	5	30
65°	14	10	6	4	3	14
75°	2	2	1	1	0	3
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°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2.5°	58.1	57.8	57.8	57.2	56.6	56.0	55.2	54.3	53.4	52.5	51.9
5°	64.0	64.3	64.0	62.8	61.4	59.6	57.8	55.7	53.7	51.9	50.7
7.5°	70.8	70.8	69.9	68.4	66.4	63.4	60.5	56.9	53.7	50.7	49.3
10°	77.3	77.3	75.8	73.4	70.2	66.4	62.2	57.5	53.1	49.0	47.2
12.5°	85.2	85.0	83.2	79.3	74.6	69.0	63.4	57.5	52.2	47.2	44.8
15°	92.0	91.7	89.4	84.7	78.5	71.4	63.7	56.9	50.4	44.8	42.2
17.5°	97.0	96.5	93.8	88.8	81.7	72.9	64.0	55.7	48.4	42.2	39.5
20°	100.3	100.0	97.0	91.1	83.5	73.7	63.7	54.3	46.3	39.5	36.6
22.5°	102.4	101.8	98.8	92.3	83.5	73.4	62.5	52.2	43.7	36.9	33.9
25°	102.9	102.6	99.1	92.0	82.6	72.0	60.8	50.1	41.0	34.2	31.3
26°	102.9	102.6	99.1	91.7	82.0	71.1	59.9	49.3	40.1	33.0	30.4
27.5°	102.6	102.4	98.5	90.9	80.8	69.6	58.1	47.5	38.3	31.6	28.6
30°	100.9	100.3	96.5	88.8	78.2	66.7	55.2	44.8	35.7	28.9	26.3
32.5°	97.0	96.5	92.3	85.2	75.2	63.4	51.9	41.9	33.0	26.3	23.9
35°	92.3	91.7	87.6	80.8	71.1	61.1	48.4	38.6	30.1	24.2	21.8
37.5°	86.4	85.5	82.0	74.9	66.1	58.4	45.4	35.4	27.4	21.8	19.8
40°	79.1	78.8	75.5	69.0	60.2	53.7	43.7	35.4	25.1	19.8	18.0
42.5°	72.0	71.4	68.4	62.8	54.9	46.9	38.3	33.9	23.3	17.7	16.2
45°	64.6	64.0	61.4	56.6	49.3	41.3	41.3	29.2	20.1	16.2	14.7
47.5°	56.6	56.0	54.0	50.4	44.0	36.9	30.1	23.9	18.3	14.5	13.3
50°	48.7	49.0	47.2	43.7	38.6	32.2	26.0	20.1	15.6	13.0	11.8
52.5°	40.7	40.4	39.2	36.9	33.3	27.7	22.1	17.1	13.6	11.5	10.9
55°	32.7	33.0	32.4	31.0	28.0	23.9	18.6	14.7	12.1	10.3	9.7
57.5°	27.1	27.4	26.3	25.4	23.0	19.5	15.3	12.4	10.3	9.1	8.6
60°	22.4	22.7	21.8	20.6	18.9	15.6	12.4	10.3	9.1	8.3	7.7
62.5°	18.3	18.0	17.4	16.2	14.7	12.4	10.0	8.6	7.7	7.1	6.8
65°	14.2	14.2	13.6	12.7	11.5	9.7	8.0	7.1	6.5	5.9	5.6
67.5°	10.6	10.6	10.0	9.4	8.3	7.1	6.2	5.6	5.3	4.7	4.4
70°	7.4	7.4	7.1	6.8	5.9	5.0	4.7	4.1	3.8	3.5	3.2
72.5°	4.7	4.7	4.7	4.1	3.8	3.2	3.2	2.9	2.7	2.4	2.4
75°	2.4	2.7	2.4	2.4	2.1	2.1	1.8	1.8	1.5	1.5	1.2
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2.5°	51.3	50.4	49.9	49.0	48.4	47.8	47.5	47.2	47.2	47.2
5°	49.9	48.4	46.9	45.4	44.5	43.7	42.8	42.5	42.2	42.2
7.5°	48.1	45.7	43.7	41.9	40.4	39.5	38.6	38.1	37.8	37.8
10°	45.7	42.8	40.4	38.1	36.6	35.4	34.8	33.9	33.9	33.6
12.5°	43.1	39.5	36.9	34.8	33.3	31.9	31.0	30.4	30.1	30.1
15°	40.1	36.6	33.6	31.3	29.8	28.3	27.4	26.8	26.5	26.5
17.5°	37.2	33.3	30.4	28.0	26.5	25.1	24.2	23.6	23.6	23.3
20°	34.2	30.4	27.4	25.1	23.6	22.4	21.5	20.9	20.6	20.9
22.5°	31.6	27.7	24.8	22.7	20.9	19.8	18.9	18.6	18.3	18.3
25°	28.6	25.1	22.4	20.4	18.9	17.7	16.8	16.5	16.2	15.9
26°	27.7	24.2	21.5	19.5	18.0	16.8	16.2	15.6	15.3	15.3
27.5°	26.5	22.7	20.4	18.3	16.8	15.9	15.0	14.7	14.5	14.5
30°	23.9	20.6	18.3	16.5	15.3	14.2	13.6	13.3	13.0	13.0
32.5°	21.8	18.6	16.5	15.0	13.9	13.0	12.4	11.8	11.8	11.8
35°	19.8	16.8	15.0	13.6	12.4	11.5	11.2	10.9	10.6	10.6
37.5°	18.0	15.3	13.6	12.4	11.5	10.6	10.0	9.7	9.7	9.7
40°	16.2	14.2	12.4	11.2	10.3	9.7	9.1	8.8	8.8	8.8
42.5°	14.7	12.7	11.5	10.3	9.4	8.8	8.6	8.3	8.0	8.0
45°	13.6	11.8	10.3	9.4	8.8	8.3	7.7	7.4	7.4	7.4
47.5°	12.1	10.9	9.4	8.6	8.0	7.4	7.1	6.8	6.8	6.8
50°	11.2	10.0	8.8	8.0	7.4	6.8	6.5	6.2	6.2	6.2
52.5°	10.0	9.1	8.3	7.4	6.8	6.2	5.9	5.6	5.6	5.6
55°	9.1	8.3	7.4	6.8	6.2	5.6	5.3	5.0	5.0	5.0
57.5°	8.3	7.4	6.8	6.2	5.6	5.3	4.7	4.7	4.4	4.4
60°	7.4	6.5	5.9	5.6	5.0	4.7	4.1	3.8	3.8	3.8
62.5°	6.2	5.9	5.3	4.7	4.1	3.8	3.5	3.2	3.2	3.2
65°	5.3	5.0	4.4	3.8	3.5	3.2	2.9	2.7	2.7	2.7
67.5°	4.4	3.8	3.5	3.2	2.9	2.7	2.4	2.1	1.8	2.1
70°	3.2	2.9	2.7	2.4	2.1	1.8	1.5	1.5	1.2	1.2
72.5°	2.1	1.8	1.8	1.5	1.2	1.2	0.9	0.9	0.6	0.6
75°	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3
77.5°	0.6	0.3	0.3	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)