

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: P1446759

Luminaire Tested: P3ART02R709740DE010 E3CLSWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446759
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: P3ART02R709740DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

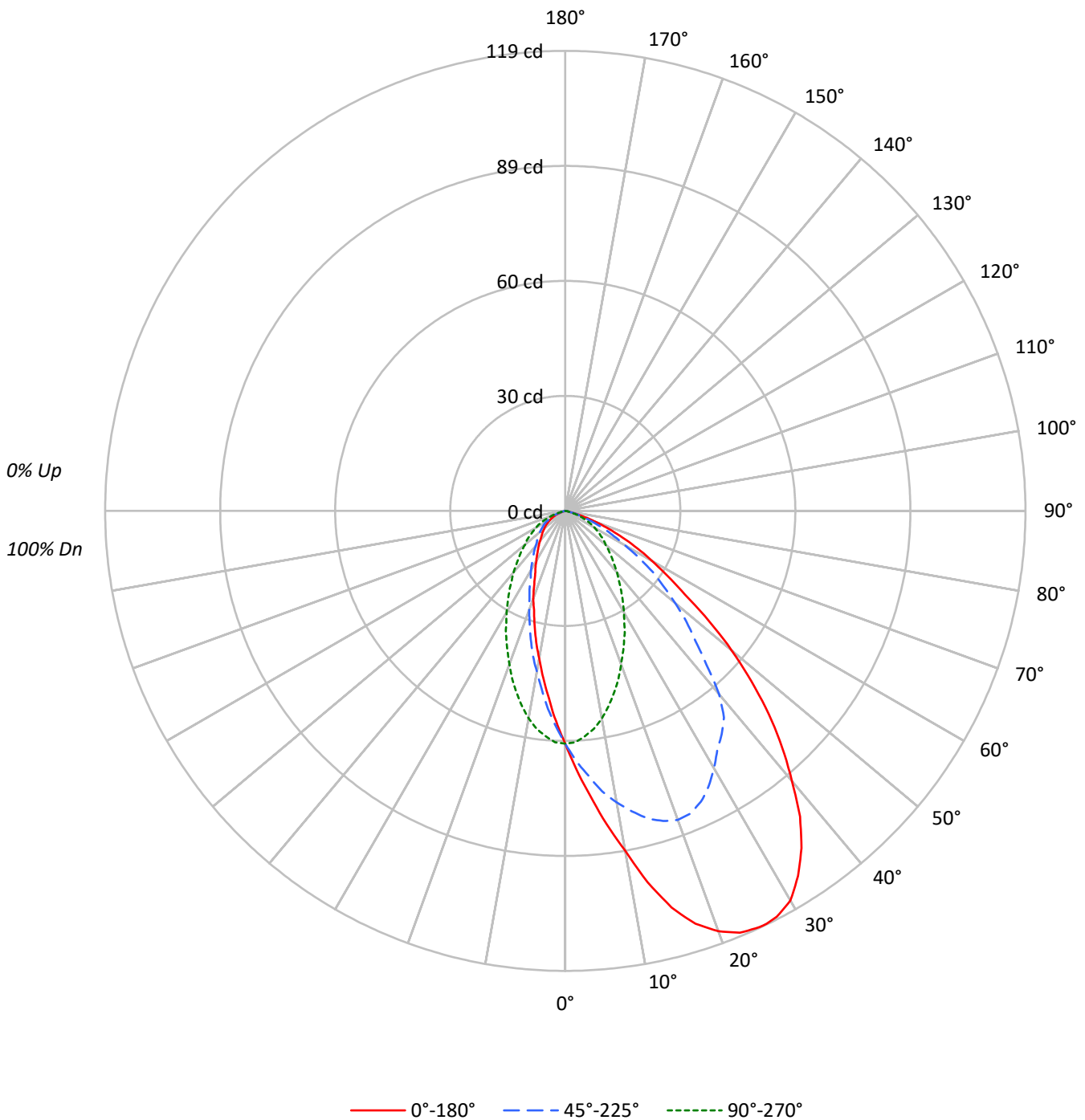
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 120.0 lumens
Efficiency: N/A
Efficacy: 33.3 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	90	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°	13201	13201	13201	13201	13201
5°	16267	15144	12877	11314	10720
10°	19862	17056	12135	9396	8639
15°	24109	18706	11056	7809	6947
20°	26999	19858	9848	6347	5647
25°	28744	20082	8734	5274	4452
30°	29473	19471	7672	4482	3798
35°	28509	18872	6746	3828	3293
40°	26106	17719	5954	3406	2920
45°	23103	14761	5272	3163	2636
50°	19172	12656	4640	2900	2422
55°	14451	10552	4282	2714	2217
60°	11359	7894	3859	2544	1930
65°	8457	5811	3373	2127	1608
70°	5450	3719	2372	1539	898
75°	2288	2033	1186	593	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23103 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	4.8
10°-20°	16.4	13.7
20°-30°	24.0	20.0
30°-40°	26.2	21.8
40°-50°	22.7	18.9
50°-60°	15.2	12.7
60°-70°	7.8	6.5
70°-80°	1.8	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°	46.2	38.5
0°-40°	72.4	60.4
0°-60°	110.3	91.9
0°-90°	120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	120.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	74	69	58	51	49	8
15°	106	82	49	34	31	30
25°	119	83	36	22	18	55
35°	106	70	25	14	12	66
45°	74	48	17	10	8	57
55°	38	28	11	7	6	35
65°	16	11	6	4	3	16
75°	3	2	1	1	0	4
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°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2.5°	67.0	66.7	66.7	66.0	65.3	64.7	63.6	62.6	61.6	60.6	59.9
5°	73.9	74.2	73.9	72.5	70.8	68.8	66.7	64.3	61.9	59.9	58.5
7.5°	81.7	81.7	80.7	79.0	76.6	73.2	69.8	65.7	61.9	58.5	56.8
10°	89.2	89.2	87.5	84.7	81.0	76.6	71.8	66.4	61.3	56.5	54.5
12.5°	98.4	98.0	96.0	91.6	86.1	79.6	73.2	66.4	60.2	54.5	51.7
15°	106.2	105.8	103.1	97.7	90.5	82.4	73.5	65.7	58.2	51.7	48.7
17.5°	112.0	111.3	108.2	102.4	94.3	84.1	73.9	64.3	55.8	48.7	45.6
20°	115.7	115.4	112.0	105.2	96.3	85.1	73.5	62.6	53.4	45.6	42.2
22.5°	118.1	117.4	114.0	106.5	96.3	84.7	72.2	60.2	50.4	42.5	39.1
25°	118.8	118.4	114.4	106.2	95.3	83.0	70.1	57.9	47.3	39.5	36.1
26°	118.8	118.4	114.4	105.8	94.6	82.0	69.1	56.8	46.3	38.1	35.1
27.5°	118.4	118.1	113.7	104.8	93.3	80.3	67.0	54.8	44.2	36.4	33.0
30°	116.4	115.7	111.3	102.4	90.2	76.9	63.6	51.7	41.2	33.4	30.3
32.5°	112.0	111.3	106.5	98.4	86.8	73.2	59.9	48.3	38.1	30.3	27.6
35°	106.5	105.8	101.1	93.3	82.0	70.5	55.8	44.6	34.7	27.9	25.2
37.5°	99.7	98.7	94.6	86.4	76.2	67.4	52.4	40.8	31.7	25.2	22.8
40°	91.2	90.9	87.1	79.6	69.4	61.9	50.4	40.8	28.9	22.8	20.8
42.5°	83.0	82.4	79.0	72.5	63.3	54.1	44.2	39.1	26.9	20.4	18.7
45°	74.5	73.9	70.8	65.3	56.8	47.6	47.6	33.7	23.1	18.7	17.0
47.5°	65.3	64.7	62.3	58.2	50.7	42.5	34.7	27.6	21.1	16.7	15.3
50°	56.2	56.5	54.5	50.4	44.6	37.1	30.0	23.1	18.0	15.0	13.6
52.5°	47.0	46.6	45.3	42.5	38.5	32.0	25.5	19.7	15.7	13.3	12.6
55°	37.8	38.1	37.4	35.7	32.3	27.6	21.4	17.0	14.0	11.9	11.2
57.5°	31.3	31.7	30.3	29.3	26.5	22.5	17.7	14.3	11.9	10.6	9.9
60°	25.9	26.2	25.2	23.8	21.8	18.0	14.3	11.9	10.6	9.5	8.8
62.5°	21.1	20.8	20.1	18.7	17.0	14.3	11.6	9.9	8.8	8.2	7.8
65°	16.3	16.3	15.7	14.6	13.3	11.2	9.2	8.2	7.5	6.8	6.5
67.5°	12.3	12.3	11.6	10.9	9.5	8.2	7.1	6.5	6.1	5.4	5.1
70°	8.5	8.5	8.2	7.8	6.8	5.8	5.4	4.8	4.4	4.1	3.7
72.5°	5.4	5.4	5.4	4.8	4.4	3.7	3.7	3.4	3.1	2.7	2.7
75°	2.7	3.1	2.7	2.7	2.4	2.4	2.0	2.0	1.7	1.7	1.4
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7
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°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2.5°	59.2	58.2	57.5	56.5	55.8	55.1	54.8	54.5	54.5	54.5
5°	57.5	55.8	54.1	52.4	51.4	50.4	49.4	49.0	48.7	48.7
7.5°	55.5	52.8	50.4	48.3	46.6	45.6	44.6	43.9	43.6	43.6
10°	52.8	49.4	46.6	43.9	42.2	40.8	40.2	39.1	39.1	38.8
12.5°	49.7	45.6	42.5	40.2	38.5	36.8	35.7	35.1	34.7	34.7
15°	46.3	42.2	38.8	36.1	34.4	32.7	31.7	31.0	30.6	30.6
17.5°	42.9	38.5	35.1	32.3	30.6	28.9	27.9	27.2	27.2	26.9
20°	39.5	35.1	31.7	28.9	27.2	25.9	24.8	24.2	23.8	24.2
22.5°	36.4	32.0	28.6	26.2	24.2	22.8	21.8	21.4	21.1	21.1
25°	33.0	28.9	25.9	23.5	21.8	20.4	19.4	19.1	18.7	18.4
26°	32.0	27.9	24.8	22.5	20.8	19.4	18.7	18.0	17.7	17.7
27.5°	30.6	26.2	23.5	21.1	19.4	18.4	17.4	17.0	16.7	16.7
30°	27.6	23.8	21.1	19.1	17.7	16.3	15.7	15.3	15.0	15.0
32.5°	25.2	21.4	19.1	17.4	16.0	15.0	14.3	13.6	13.6	13.6
35°	22.8	19.4	17.4	15.7	14.3	13.3	12.9	12.6	12.3	12.3
37.5°	20.8	17.7	15.7	14.3	13.3	12.3	11.6	11.2	11.2	11.2
40°	18.7	16.3	14.3	12.9	11.9	11.2	10.6	10.2	10.2	10.2
42.5°	17.0	14.6	13.3	11.9	10.9	10.2	9.9	9.5	9.2	9.2
45°	15.7	13.6	11.9	10.9	10.2	9.5	8.8	8.5	8.5	8.5
47.5°	14.0	12.6	10.9	9.9	9.2	8.5	8.2	7.8	7.8	7.8
50°	12.9	11.6	10.2	9.2	8.5	7.8	7.5	7.1	7.1	7.1
52.5°	11.6	10.6	9.5	8.5	7.8	7.1	6.8	6.5	6.5	6.5
55°	10.6	9.5	8.5	7.8	7.1	6.5	6.1	5.8	5.8	5.8
57.5°	9.5	8.5	7.8	7.1	6.5	6.1	5.4	5.4	5.1	5.1
60°	8.5	7.5	6.8	6.5	5.8	5.4	4.8	4.4	4.4	4.4
62.5°	7.1	6.8	6.1	5.4	4.8	4.4	4.1	3.7	3.7	3.7
65°	6.1	5.8	5.1	4.4	4.1	3.7	3.4	3.1	3.1	3.1
67.5°	5.1	4.4	4.1	3.7	3.4	3.1	2.7	2.4	2.0	2.4
70°	3.7	3.4	3.1	2.7	2.4	2.0	1.7	1.7	1.4	1.4
72.5°	2.4	2.0	2.0	1.7	1.4	1.4	1.0	1.0	0.7	0.7
75°	1.4	1.4	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.3
77.5°	0.7	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)