

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: P3ART05R709840DE010 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: P3ART05R709840DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

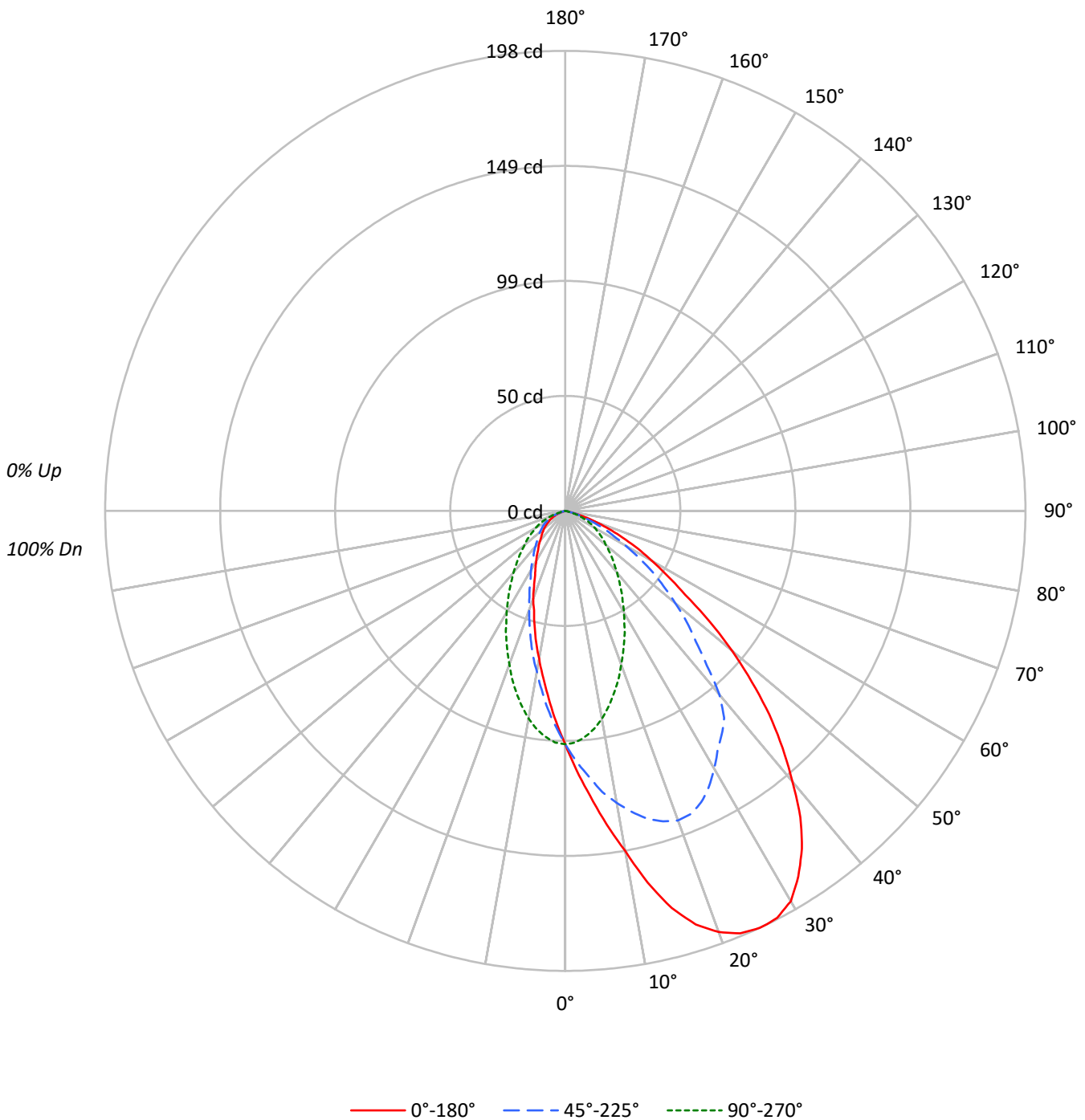
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 27.8 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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22016	22016	22016	22016	22016
5°	27097	25226	21484	18864	17852
10°	33088	28412	20218	15653	14406
15°	40182	31169	18411	13008	11601
20°	45014	33090	16405	10594	9404
25°	47906	33486	14541	8783	7404
30°	49121	32461	12787	7470	6330
35°	47515	31427	11243	6371	5461
40°	43510	29541	9904	5696	4866
45°	38516	24623	8807	5272	4404
50°	31931	21082	7744	4844	4060
55°	24085	17548	7149	4549	3670
60°	18902	13201	6447	4210	3245
65°	14113	9703	5604	3528	2646
70°	9104	6155	3975	2565	1475
75°	3813	3389	1949	932	508
80°	758	758	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38516 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	4.8
10°-20°	27.4	13.7
20°-30°	40.1	20.0
30°-40°	43.7	21.8
40°-50°	37.8	18.9
50°-60°	25.3	12.7
60°-70°	13.1	6.5
70°-80°	3.1	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°	77.0	38.5
0°-40°	120.7	60.3
0°-60°	183.8	91.9
0°-90°	200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	123	115	98	86	81	13
15°	177	137	81	57	51	50
25°	198	138	60	36	31	91
35°	178	117	42	24	20	110
45°	124	79	28	17	14	95
55°	63	46	19	12	10	58
65°	27	19	11	7	5	27
75°	4	4	2	1	1	6
85°	0	0	0	0	0	0
90°	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°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	111.7	111.2	111.2	110.0	108.9	107.8	106.1	104.4	102.7	101.0	99.8
5°	123.1	123.7	123.1	120.8	118.0	114.6	111.2	107.2	103.2	99.8	97.6
7.5°	136.1	136.1	134.4	131.6	127.6	122.0	116.3	109.5	103.2	97.6	94.7
10°	148.6	148.6	145.8	141.2	135.0	127.6	119.7	110.6	102.1	94.2	90.8
12.5°	163.9	163.4	160.0	152.6	143.5	132.7	122.0	110.6	100.4	90.8	86.2
15°	177.0	176.4	171.9	162.8	150.9	137.3	122.5	109.5	97.0	86.2	81.1
17.5°	186.6	185.5	180.4	170.7	157.1	140.1	123.1	107.2	93.0	81.1	76.0
20°	192.9	192.3	186.6	175.3	160.5	141.8	122.5	104.4	89.1	76.0	70.3
22.5°	196.8	195.7	190.0	177.5	160.5	141.2	120.3	100.4	84.0	70.9	65.2
25°	198.0	197.4	190.6	177.0	158.8	138.4	116.9	96.4	78.8	65.8	60.1
26°	198.0	197.4	190.6	176.4	157.7	136.7	115.2	94.7	77.1	63.5	58.4
27.5°	197.4	196.8	189.5	174.7	155.4	133.9	111.7	91.3	73.7	60.7	55.0
30°	194.0	192.9	185.5	170.7	150.3	128.2	106.1	86.2	68.6	55.6	50.5
32.5°	186.6	185.5	177.5	163.9	144.6	122.0	99.8	80.5	63.5	50.5	45.9
35°	177.5	176.4	168.5	155.4	136.7	117.4	93.0	74.3	57.9	46.5	42.0
37.5°	166.2	164.5	157.7	144.1	127.1	112.3	87.4	68.1	52.8	42.0	38.0
40°	152.0	151.5	145.2	132.7	115.7	103.2	84.0	68.1	48.2	38.0	34.6
42.5°	138.4	137.3	131.6	120.8	105.5	90.2	73.7	65.2	44.8	34.0	31.2
45°	124.2	123.1	118.0	108.9	94.7	79.4	79.4	56.2	38.6	31.2	28.4
47.5°	108.9	107.8	103.8	97.0	84.5	70.9	57.9	45.9	35.2	27.8	25.5
50°	93.6	94.2	90.8	84.0	74.3	61.8	49.9	38.6	30.1	25.0	22.7
52.5°	78.3	77.7	75.4	70.9	64.1	53.3	42.5	32.9	26.1	22.1	21.0
55°	63.0	63.5	62.4	59.6	53.9	45.9	35.7	28.4	23.3	19.9	18.7
57.5°	52.2	52.8	50.5	48.8	44.2	37.4	29.5	23.8	19.9	17.6	16.5
60°	43.1	43.7	42.0	39.7	36.3	30.1	23.8	19.9	17.6	15.9	14.7
62.5°	35.2	34.6	33.5	31.2	28.4	23.8	19.3	16.5	14.7	13.6	13.0
65°	27.2	27.2	26.1	24.4	22.1	18.7	15.3	13.6	12.5	11.3	10.8
67.5°	20.4	20.4	19.3	18.2	15.9	13.6	11.9	10.8	10.2	9.1	8.5
70°	14.2	14.2	13.6	13.0	11.3	9.6	9.1	7.9	7.4	6.8	6.2
72.5°	9.1	9.1	9.1	7.9	7.4	6.2	6.2	5.7	5.1	4.5	4.5
75°	4.5	5.1	4.5	4.5	4.0	4.0	3.4	3.4	2.8	2.8	2.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	98.7	97.0	95.9	94.2	93.0	91.9	91.3	90.8	90.8	90.8
5°	95.9	93.0	90.2	87.4	85.7	84.0	82.3	81.7	81.1	81.1
7.5°	92.5	87.9	84.0	80.5	77.7	76.0	74.3	73.2	72.6	72.6
10°	87.9	82.3	77.7	73.2	70.3	68.1	66.9	65.2	65.2	64.7
12.5°	82.8	76.0	70.9	66.9	64.1	61.3	59.6	58.4	57.9	57.9
15°	77.1	70.3	64.7	60.1	57.3	54.5	52.8	51.6	51.1	51.1
17.5°	71.5	64.1	58.4	53.9	51.1	48.2	46.5	45.4	45.4	44.8
20°	65.8	58.4	52.8	48.2	45.4	43.1	41.4	40.3	39.7	40.3
22.5°	60.7	53.3	47.6	43.7	40.3	38.0	36.3	35.7	35.2	35.2
25°	55.0	48.2	43.1	39.1	36.3	34.0	32.3	31.8	31.2	30.6
26°	53.3	46.5	41.4	37.4	34.6	32.3	31.2	30.1	29.5	29.5
27.5°	51.1	43.7	39.1	35.2	32.3	30.6	28.9	28.4	27.8	27.8
30°	45.9	39.7	35.2	31.8	29.5	27.2	26.1	25.5	25.0	25.0
32.5°	42.0	35.7	31.8	28.9	26.7	25.0	23.8	22.7	22.7	22.7
35°	38.0	32.3	28.9	26.1	23.8	22.1	21.6	21.0	20.4	20.4
37.5°	34.6	29.5	26.1	23.8	22.1	20.4	19.3	18.7	18.7	18.7
40°	31.2	27.2	23.8	21.6	19.9	18.7	17.6	17.0	17.0	17.0
42.5°	28.4	24.4	22.1	19.9	18.2	17.0	16.5	15.9	15.3	15.3
45°	26.1	22.7	19.9	18.2	17.0	15.9	14.7	14.2	14.2	14.2
47.5°	23.3	21.0	18.2	16.5	15.3	14.2	13.6	13.0	13.0	13.0
50°	21.6	19.3	17.0	15.3	14.2	13.0	12.5	11.9	11.9	11.9
52.5°	19.3	17.6	15.9	14.2	13.0	11.9	11.3	10.8	10.8	10.8
55°	17.6	15.9	14.2	13.0	11.9	10.8	10.2	9.6	9.6	9.6
57.5°	15.9	14.2	13.0	11.9	10.8	10.2	9.1	9.1	8.5	8.5
60°	14.2	12.5	11.3	10.8	9.6	9.1	7.9	7.4	7.4	7.4
62.5°	11.9	11.3	10.2	9.1	7.9	7.4	6.8	6.2	6.2	6.2
65°	10.2	9.6	8.5	7.4	6.8	6.2	5.7	5.1	5.1	5.1
67.5°	8.5	7.4	6.8	6.2	5.7	5.1	4.5	4.0	3.4	4.0
70°	6.2	5.7	5.1	4.5	4.0	3.4	2.8	2.8	2.3	2.3
72.5°	4.0	3.4	3.4	2.8	2.3	2.3	1.7	1.7	1.1	1.1
75°	2.3	2.3	1.7	1.7	1.1	1.1	0.6	0.6	0.6	0.6
77.5°	1.1	0.6	0.6	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)