

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: P3ART05R709835DE010 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: P3ART05R709835DE010 E3CLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

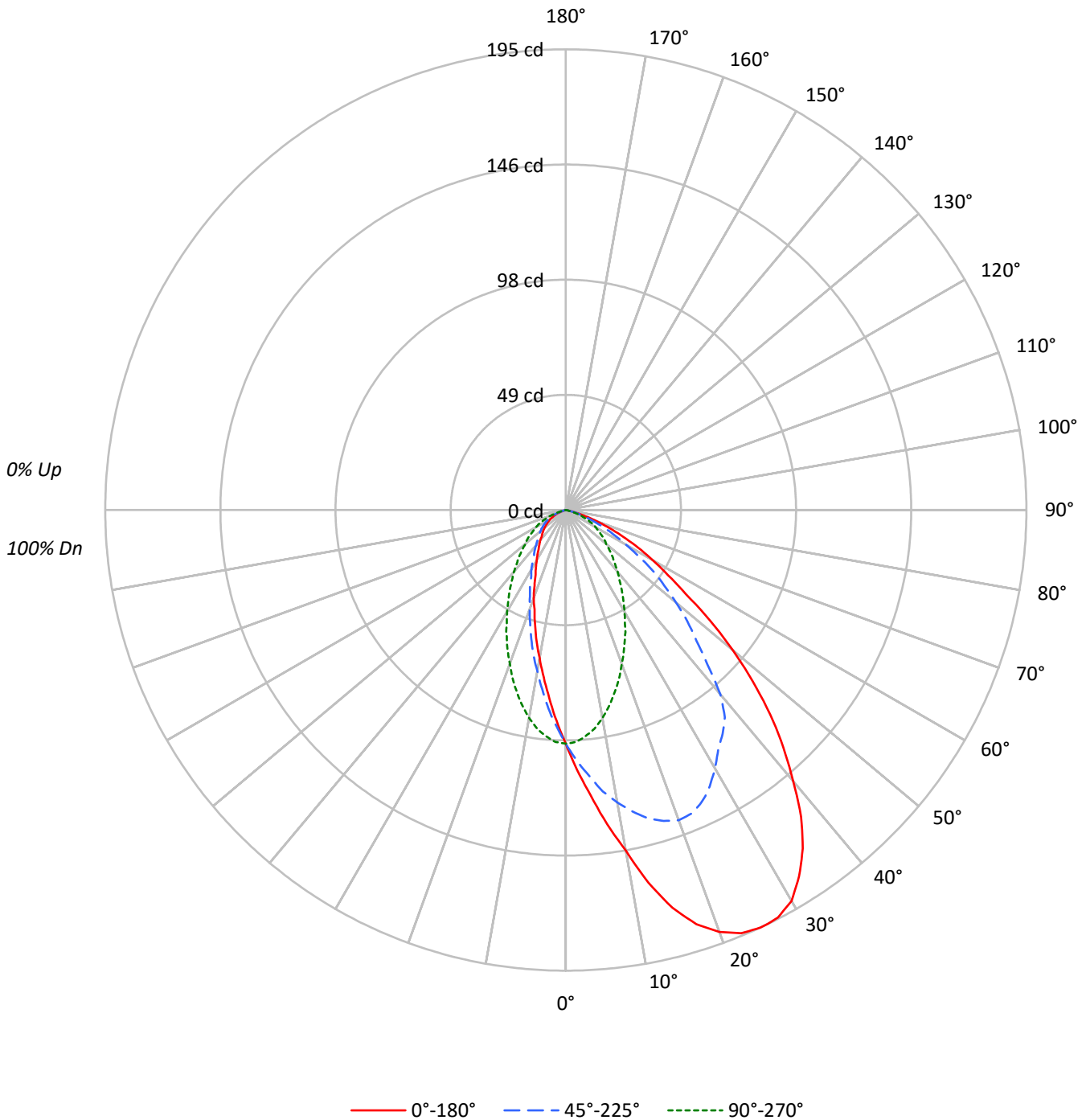
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 197.0 lumens
Efficiency: N/A
Efficacy: 27.4 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	100				
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78				
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68				
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60				
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43				
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39				
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21687	21687	21687	21687	21687
5°	26678	24851	21153	18578	17587
10°	32598	27989	19906	15431	14184
15°	39569	30693	18139	12804	11419
20°	44337	32600	16171	10431	9264
25°	47180	32978	14323	8662	7307
30°	48387	31980	12584	7368	6229
35°	46819	30972	11056	6291	5381
40°	42852	29112	9761	5611	4809
45°	37957	24251	8652	5210	4342
50°	31453	20775	7607	4776	3991
55°	23703	17318	7034	4473	3632
60°	18639	12981	6359	4166	3201
65°	13906	9547	5500	3476	2594
70°	8976	6091	3911	2500	1410
75°	3813	3304	1864	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: 37957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	4.8
10°-20°	27.0	13.7
20°-30°	39.5	20.0
30°-40°	43.0	21.8
40°-50°	37.2	18.9
50°-60°	24.9	12.7
60°-70°	12.9	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°	75.9	38.5
0°-40°	118.9	60.3
0°-60°	181.0	91.9
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	121	113	96	84	80	12
15°	174	135	80	56	50	49
25°	195	136	59	36	30	90
35°	175	116	41	24	20	108
45°	122	78	28	17	14	94
55°	62	45	18	12	10	57
65°	27	18	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°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	110.1	109.5	109.5	108.4	107.3	106.2	104.5	102.8	101.1	99.5	98.3
5°	121.2	121.8	121.2	119.0	116.2	112.9	109.5	105.6	101.7	98.3	96.1
7.5°	134.1	134.1	132.4	129.6	125.7	120.1	114.5	107.8	101.7	96.1	93.3
10°	146.4	146.4	143.6	139.1	133.0	125.7	117.9	109.0	100.6	92.8	89.4
12.5°	161.5	160.9	157.6	150.3	141.4	130.7	120.1	109.0	98.9	89.4	84.9
15°	174.3	173.8	169.3	160.4	148.6	135.2	120.7	107.8	95.5	84.9	79.9
17.5°	183.8	182.7	177.7	168.2	154.8	138.0	121.2	105.6	91.6	79.9	74.9
20°	190.0	189.4	183.8	172.7	158.1	139.7	120.7	102.8	87.7	74.9	69.3
22.5°	193.9	192.8	187.2	174.9	158.1	139.1	118.5	98.9	82.7	69.8	64.3
25°	195.0	194.4	187.7	174.3	156.4	136.3	115.1	95.0	77.7	64.8	59.2
26°	195.0	194.4	187.7	173.8	155.3	134.7	113.4	93.3	76.0	62.6	57.6
27.5°	194.4	193.9	186.6	172.1	153.1	131.9	110.1	90.0	72.6	59.8	54.2
30°	191.1	190.0	182.7	168.2	148.1	126.3	104.5	84.9	67.6	54.8	49.7
32.5°	183.8	182.7	174.9	161.5	142.5	120.1	98.3	79.3	62.6	49.7	45.3
35°	174.9	173.8	165.9	153.1	134.7	115.7	91.6	73.2	57.0	45.8	41.3
37.5°	163.7	162.0	155.3	141.9	125.2	110.6	86.0	67.0	52.0	41.3	37.4
40°	149.7	149.2	143.0	130.7	114.0	101.7	82.7	67.0	47.5	37.4	34.1
42.5°	136.3	135.2	129.6	119.0	103.9	88.8	72.6	64.3	44.1	33.5	30.7
45°	122.4	121.2	116.2	107.3	93.3	78.2	78.2	55.3	38.0	30.7	27.9
47.5°	107.3	106.2	102.3	95.5	83.3	69.8	57.0	45.3	34.6	27.4	25.1
50°	92.2	92.8	89.4	82.7	73.2	60.9	49.2	38.0	29.6	24.6	22.3
52.5°	77.1	76.5	74.3	69.8	63.1	52.5	41.9	32.4	25.7	21.8	20.7
55°	62.0	62.6	61.5	58.7	53.1	45.3	35.2	27.9	22.9	19.6	18.4
57.5°	51.4	52.0	49.7	48.1	43.6	36.9	29.1	23.5	19.6	17.3	16.2
60°	42.5	43.0	41.3	39.1	35.8	29.6	23.5	19.6	17.3	15.6	14.5
62.5°	34.6	34.1	33.0	30.7	27.9	23.5	19.0	16.2	14.5	13.4	12.9
65°	26.8	26.8	25.7	24.0	21.8	18.4	15.1	13.4	12.3	11.2	10.6
67.5°	20.1	20.1	19.0	17.9	15.6	13.4	11.7	10.6	10.1	8.9	8.4
70°	14.0	14.0	13.4	12.9	11.2	9.5	8.9	7.8	7.3	6.7	6.1
72.5°	8.9	8.9	8.9	7.8	7.3	6.1	6.1	5.6	5.0	4.5	4.5
75°	4.5	5.0	4.5	4.5	3.9	3.9	3.4	3.4	2.8	2.8	2.2
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°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	97.2	95.5	94.4	92.8	91.6	90.5	90.0	89.4	89.4	89.4
5°	94.4	91.6	88.8	86.0	84.4	82.7	81.0	80.5	79.9	79.9
7.5°	91.1	86.6	82.7	79.3	76.5	74.9	73.2	72.1	71.5	71.5
10°	86.6	81.0	76.5	72.1	69.3	67.0	65.9	64.3	64.3	63.7
12.5°	81.6	74.9	69.8	65.9	63.1	60.3	58.7	57.6	57.0	57.0
15°	76.0	69.3	63.7	59.2	56.4	53.6	52.0	50.8	50.3	50.3
17.5°	70.4	63.1	57.6	53.1	50.3	47.5	45.8	44.7	44.7	44.1
20°	64.8	57.6	52.0	47.5	44.7	42.5	40.8	39.7	39.1	39.7
22.5°	59.8	52.5	46.9	43.0	39.7	37.4	35.8	35.2	34.6	34.6
25°	54.2	47.5	42.5	38.6	35.8	33.5	31.8	31.3	30.7	30.2
26°	52.5	45.8	40.8	36.9	34.1	31.8	30.7	29.6	29.1	29.1
27.5°	50.3	43.0	38.6	34.6	31.8	30.2	28.5	27.9	27.4	27.4
30°	45.3	39.1	34.6	31.3	29.1	26.8	25.7	25.1	24.6	24.6
32.5°	41.3	35.2	31.3	28.5	26.3	24.6	23.5	22.3	22.3	22.3
35°	37.4	31.8	28.5	25.7	23.5	21.8	21.2	20.7	20.1	20.1
37.5°	34.1	29.1	25.7	23.5	21.8	20.1	19.0	18.4	18.4	18.4
40°	30.7	26.8	23.5	21.2	19.6	18.4	17.3	16.8	16.8	16.8
42.5°	27.9	24.0	21.8	19.6	17.9	16.8	16.2	15.6	15.1	15.1
45°	25.7	22.3	19.6	17.9	16.8	15.6	14.5	14.0	14.0	14.0
47.5°	22.9	20.7	17.9	16.2	15.1	14.0	13.4	12.9	12.9	12.9
50°	21.2	19.0	16.8	15.1	14.0	12.9	12.3	11.7	11.7	11.7
52.5°	19.0	17.3	15.6	14.0	12.9	11.7	11.2	10.6	10.6	10.6
55°	17.3	15.6	14.0	12.9	11.7	10.6	10.1	9.5	9.5	9.5
57.5°	15.6	14.0	12.9	11.7	10.6	10.1	8.9	8.9	8.4	8.4
60°	14.0	12.3	11.2	10.6	9.5	8.9	7.8	7.3	7.3	7.3
62.5°	11.7	11.2	10.1	8.9	7.8	7.3	6.7	6.1	6.1	6.1
65°	10.1	9.5	8.4	7.3	6.7	6.1	5.6	5.0	5.0	5.0
67.5°	8.4	7.3	6.7	6.1	5.6	5.0	4.5	3.9	3.4	3.9
70°	6.1	5.6	5.0	4.5	3.9	3.4	2.8	2.8	2.2	2.2
72.5°	3.9	3.4	3.4	2.8	2.2	2.2	1.7	1.7	1.1	1.1
75°	2.2	2.2	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)