

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 E3CLDWW1MW

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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R709840DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

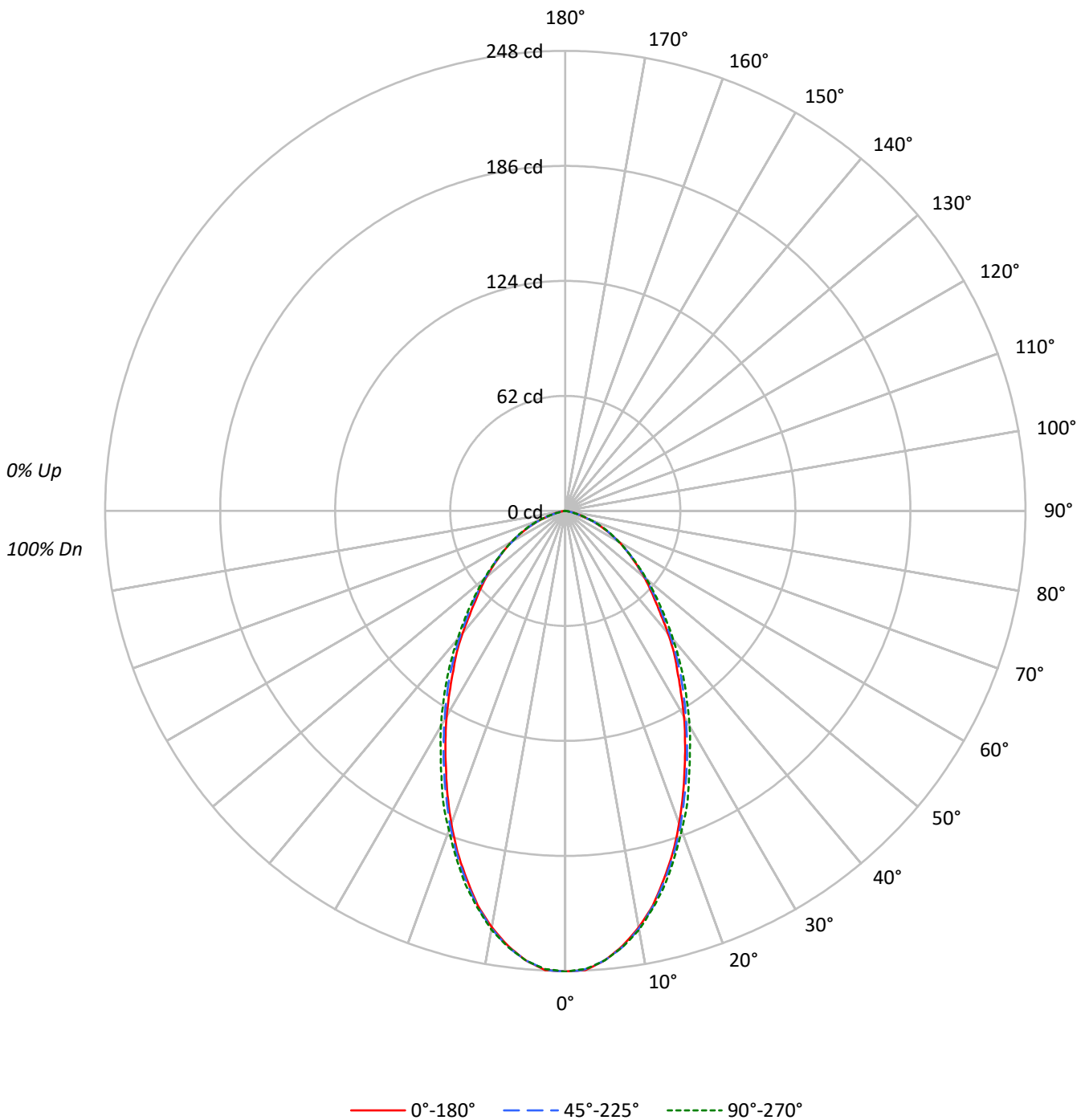
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 346.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54469	54469	54469
5°	53555	53555	53555
10°	50767	50901	51034
15°	46629	46879	47265
20°	41864	42260	42774
25°	36825	37381	38204
30°	32385	32942	33955
35°	28161	29071	29848
40°	24618	25276	25906
45°	21243	21925	22452
50°	18933	19309	19513
55°	16668	16860	16860
60°	14648	14385	14648
65°	12038	12349	12608
70°	9425	9425	9809
75°	6270	5761	5761
80°	3536	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22452 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	6.6
10°-20°	57.7	16.7
20°-30°	71.1	20.6
30°-40°	67.8	19.6
40°-50°	54.9	15.9
50°-60°	39.5	11.4
60°-70°	23.7	6.8
70°-80°	7.9	2.3
80°-90°	0.7	0.2
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°	151.6	43.8
0°-40°	219.4	63.4
0°-60°	313.8	90.7
0°-90°	346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	243	243	243	243	243	23
15°	205	206	206	207	208	57
25°	152	153	154	157	158	70
35°	105	106	109	111	112	66
45°	68	69	71	72	72	53
55°	44	44	44	44	44	39
65°	23	24	24	24	24	23
75°	7	7	7	7	7	8
85°	1	1	0	0	0	1
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°	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4	248.4
2°	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.3
2.5°	247.8	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.3	247.8	247.3
5°	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.9	243.3	243.3
7.5°	236.5	236.5	236.5	236.5	237.1	237.1	237.1	237.1	237.7	237.7	237.1
10°	228.0	228.0	228.0	228.0	228.6	228.6	229.2	228.6	228.6	229.2	229.2
12.5°	217.9	217.3	217.3	217.3	217.9	218.4	218.4	218.4	219.0	219.0	219.0
15°	205.4	205.4	205.4	206.0	206.0	206.5	207.1	207.1	207.7	207.7	208.2
17.5°	193.0	193.0	192.4	193.0	193.5	194.1	194.7	195.2	195.8	195.8	195.8
20°	179.4	178.8	179.4	179.9	180.5	181.1	181.6	182.8	183.3	183.3	183.3
22.5°	165.8	165.2	165.8	166.4	166.9	167.5	169.2	169.8	170.3	170.3	171.5
25°	152.2	152.2	152.8	153.3	153.9	154.5	155.6	156.7	157.3	157.9	157.9
27.5°	139.8	139.8	139.8	139.8	140.9	142.0	143.2	144.3	144.9	145.4	145.4
30°	127.9	127.3	127.3	127.9	129.0	130.1	131.3	132.4	133.0	133.5	134.1
32.5°	116.0	116.0	116.0	116.6	117.1	118.8	120.0	120.5	121.7	122.2	122.2
35°	105.2	105.2	105.2	106.4	107.5	108.6	109.2	110.3	111.5	111.5	111.5
37.5°	96.2	96.8	97.9	97.3	97.3	97.9	98.5	99.6	100.7	100.7	100.7
40°	86.0	86.6	87.1	86.6	87.1	88.3	88.8	89.4	90.0	90.5	90.5
42.5°	76.4	76.4	76.4	77.0	78.1	78.7	79.8	80.4	80.9	80.9	80.9
45°	68.5	68.5	69.0	69.6	70.2	70.7	71.3	71.9	72.4	72.4	72.4
47.5°	61.7	61.7	62.2	62.2	62.8	63.4	63.9	63.9	64.5	65.1	64.5
50°	55.5	55.5	55.5	56.0	56.0	56.6	56.6	57.2	57.2	57.2	57.2
52.5°	49.2	49.2	49.2	49.2	49.8	49.8	49.8	50.4	50.4	50.4	50.4
55°	43.6	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1	44.1	44.1
57.5°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
60°	33.4	33.4	33.4	33.4	33.4	32.8	33.4	33.4	33.4	33.4	33.4
62.5°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.9	28.9	28.9	28.9
65°	23.2	23.8	23.8	23.8	23.8	23.8	23.8	24.3	24.3	24.3	24.3
67.5°	18.7	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.8	19.8	19.8
70°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	15.3
72.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.8	10.8	10.8
75°	7.4	7.4	7.4	7.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	5.1	5.1	5.1	4.5	4.5	4.0	4.0	4.0	4.0	4.0	3.4
80°	2.8	2.8	2.8	2.8	2.8	2.3	2.3	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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

(END OF REPORT)