

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: P1446079

Luminaire Tested: P3ART17R709040DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446079
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: P3ART17R709040DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

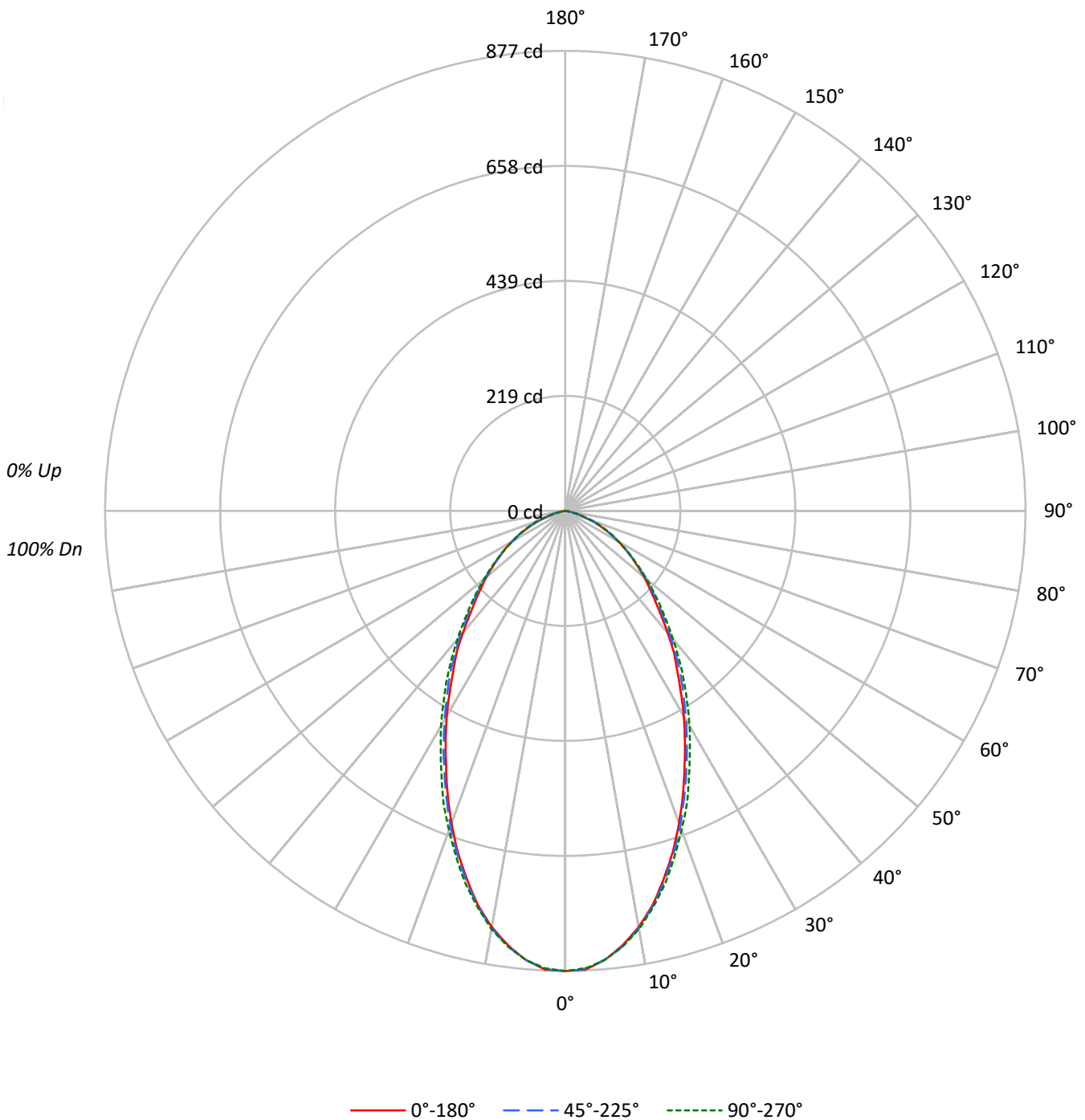
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1222.0 lumens
Efficiency: N/A
Efficacy: 57.6 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): 21.2
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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	192375	192375	192375
5°	189170	189170	189170
10°	179333	179778	180224
15°	164700	165608	166948
20°	147830	149230	151096
25°	130072	132008	134911
30°	114372	116398	119917
35°	99501	102714	105390
40°	86963	89253	91543
45°	74985	77465	79326
50°	66829	68160	68842
55°	58837	59601	59601
60°	51706	50829	51706
65°	42495	43533	44570
70°	33339	33339	34621
75°	22028	20334	20334
80°	12628	10102	7577
85°	5032	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 79326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	6.6
10°-20°	203.7	16.7
20°-30°	251.3	20.6
30°-40°	239.4	19.6
40°-50°	193.7	15.9
50°-60°	139.5	11.4
60°-70°	83.5	6.8
70°-80°	28.0	2.3
80°-90°	2.4	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°	535.4	43.8
0°-40°	774.8	63.4
0°-60°	1108.1	90.7
0°-90°	1222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	877	877	877	877	877	
5°	859	859	859	860	859	80
15°	726	727	730	732	735	203
25°	538	541	546	554	558	247
35°	372	375	384	391	394	234
45°	242	245	250	254	256	188
55°	154	154	156	156	156	139
65°	82	84	84	86	86	82
75°	26	26	24	24	24	29
85°	2	2	0	0	0	4
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°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2°	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	875.3	873.3
2.5°	875.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	875.3	873.3
5°	859.4	859.4	859.4	859.4	859.4	859.4	859.4	859.4	861.4	859.4	859.4
7.5°	835.4	835.4	835.4	835.4	837.4	837.4	837.4	837.4	839.4	839.4	837.4
10°	805.4	805.4	805.4	805.4	807.4	807.4	809.4	807.4	807.4	809.4	809.4
12.5°	769.4	767.4	767.4	767.4	769.4	771.4	771.4	771.4	773.4	773.4	773.4
15°	725.5	725.5	725.5	727.5	727.5	729.5	731.4	731.4	733.4	733.4	735.4
17.5°	681.5	681.5	679.5	681.5	683.5	685.5	687.5	689.5	691.5	691.5	691.5
20°	633.5	631.5	633.5	635.5	637.5	639.5	641.5	645.5	647.5	647.5	647.5
22.5°	585.6	583.6	585.6	587.6	589.6	591.6	597.5	599.5	601.5	601.5	605.5
25°	537.6	537.6	539.6	541.6	543.6	545.6	549.6	553.6	555.6	557.6	557.6
27.5°	493.6	493.6	493.6	493.6	497.6	501.6	505.6	509.6	511.6	513.6	513.6
30°	451.7	449.7	449.7	451.7	455.7	459.7	463.7	467.6	469.6	471.6	473.6
32.5°	409.7	409.7	409.7	411.7	413.7	419.7	423.7	425.7	429.7	431.7	431.7
35°	371.7	371.7	371.7	375.7	379.7	383.7	385.7	389.7	393.7	393.7	393.7
37.5°	339.7	341.7	345.7	343.7	343.7	345.7	347.7	351.7	355.7	355.7	355.7
40°	303.8	305.8	307.8	305.8	307.8	311.8	313.8	315.8	317.8	319.8	319.8
42.5°	269.8	269.8	269.8	271.8	275.8	277.8	281.8	283.8	285.8	285.8	285.8
45°	241.8	241.8	243.8	245.8	247.8	249.8	251.8	253.8	255.8	255.8	255.8
47.5°	217.8	217.8	219.8	219.8	221.8	223.8	225.8	225.8	227.8	229.8	227.8
50°	195.9	195.9	195.9	197.9	197.9	199.8	199.8	201.8	201.8	201.8	201.8
52.5°	173.9	173.9	173.9	173.9	175.9	175.9	175.9	177.9	177.9	177.9	177.9
55°	153.9	153.9	153.9	153.9	153.9	155.9	155.9	155.9	155.9	155.9	155.9
57.5°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
60°	117.9	117.9	117.9	117.9	117.9	115.9	117.9	117.9	117.9	117.9	117.9
62.5°	99.9	99.9	99.9	99.9	99.9	99.9	99.9	101.9	101.9	101.9	101.9
65°	81.9	83.9	83.9	83.9	83.9	83.9	83.9	85.9	85.9	85.9	85.9
67.5°	66.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	69.9	69.9	69.9
70°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	54.0
72.5°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	38.0	38.0	38.0
75°	26.0	26.0	26.0	26.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
77.5°	18.0	18.0	18.0	16.0	16.0	14.0	14.0	14.0	14.0	14.0	12.0
80°	10.0	10.0	10.0	10.0	10.0	8.0	8.0	6.0	6.0	6.0	6.0
82.5°	6.0	6.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	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

(END OF REPORT)