

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: P1446212

Luminaire Tested: P3ART17R709050DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446212
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: P3ART17R709050DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

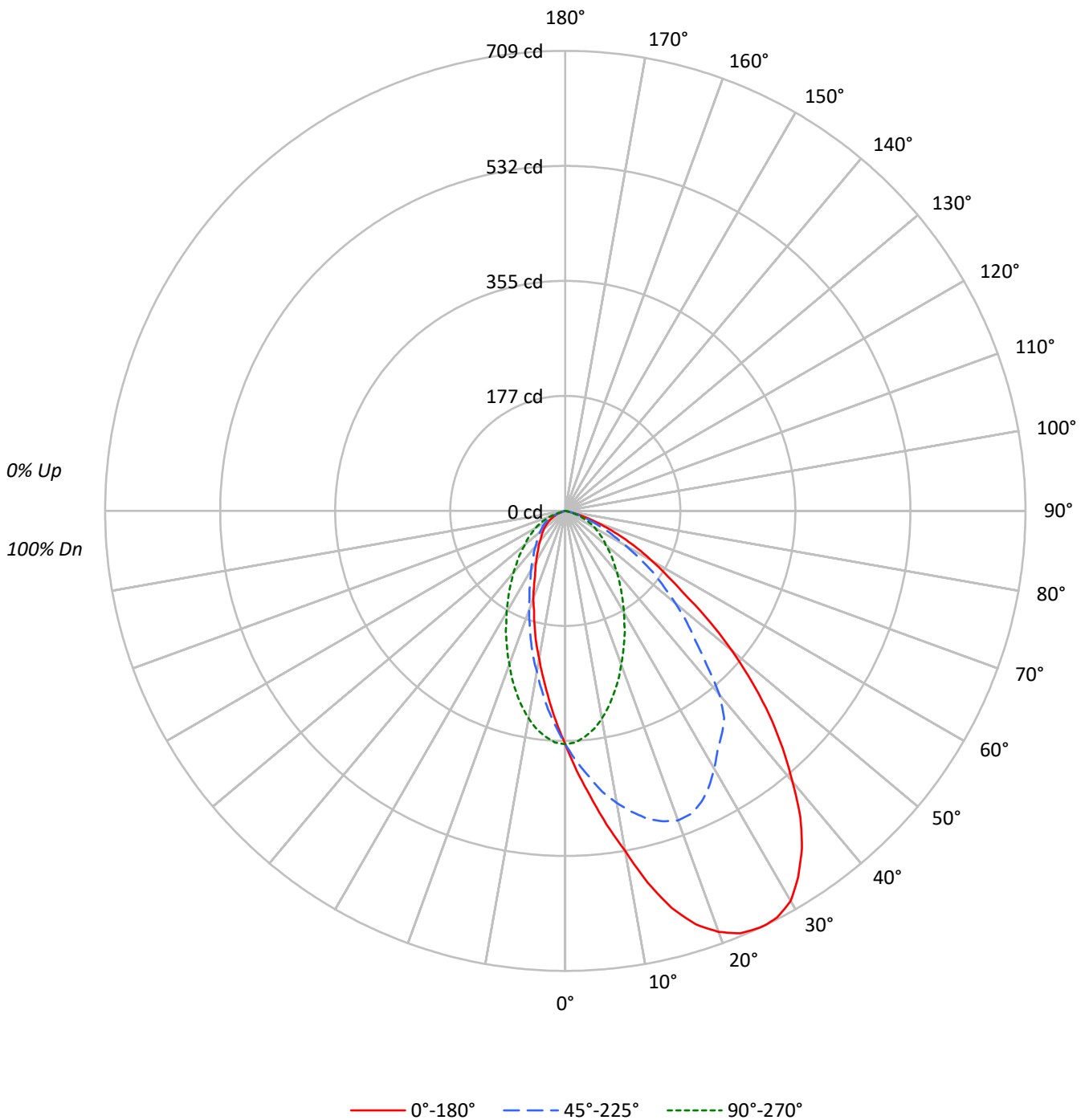
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.0 lumens
Efficiency: N/A
Efficacy: 33.8 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): 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	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°	78809	78809	78809	78809	78809
5°	97006	90293	76887	67488	63922
10°	118479	101735	72343	56067	51547
15°	143837	111556	65925	46561	41499
20°	161131	118474	58758	37920	33650
25°	171470	119886	52092	31453	26542
30°	175850	116220	45754	26738	22636
35°	170145	112538	40234	22834	19568
40°	155778	105798	35466	20352	17433
45°	137906	88164	31476	18886	15754
50°	114316	75528	27701	17330	14533
55°	86171	62889	25614	16286	13189
60°	67670	47189	23156	15130	11578
65°	50589	34764	20028	12660	9495
70°	32570	22119	14297	9104	5193
75°	13725	12031	6863	3474	1694
80°	2526	2526	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 137906 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	4.8
10°-20°	98.1	13.7
20°-30°	143.5	20.0
30°-40°	156.3	21.8
40°-50°	135.3	18.9
50°-60°	90.6	12.7
60°-70°	46.8	6.5
70°-80°	11.1	1.5
80°-90°	0.1	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°	275.7	38.5
0°-40°	432.1	60.3
0°-60°	658.0	91.9
0°-90°	716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	359	359	359	359	359	
5°	441	410	349	307	290	45
15°	634	491	290	205	183	179
25°	709	496	215	130	110	326
35°	636	420	150	85	73	394
45°	445	284	102	61	51	340
55°	225	164	67	43	34	209
65°	98	67	39	24	18	98
75°	16	14	8	4	2	21
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4
2.5°	400.1	398.0	398.0	394.0	389.9	385.8	379.8	373.7	367.6	361.5	357.4
5°	440.7	442.7	440.7	432.6	422.4	410.2	398.0	383.8	369.6	357.4	349.3
7.5°	487.4	487.4	481.3	471.1	456.9	436.6	416.3	391.9	369.6	349.3	339.1
10°	532.1	532.1	521.9	505.7	483.3	456.9	428.5	396.0	365.5	337.1	324.9
12.5°	586.9	584.9	572.7	546.3	513.8	475.2	436.6	396.0	359.4	324.9	308.7
15°	633.6	631.6	615.3	582.8	540.2	491.4	438.6	391.9	347.3	308.7	290.4
17.5°	668.1	664.1	645.8	611.3	562.5	501.6	440.7	383.8	333.0	290.4	272.1
20°	690.5	688.4	668.1	627.5	574.7	507.7	438.6	373.7	318.8	272.1	251.8
22.5°	704.7	700.6	680.3	635.6	574.7	505.7	430.5	359.4	300.6	253.8	233.5
25°	708.7	706.7	682.3	633.6	568.6	495.5	418.3	345.2	282.3	235.6	215.3
26°	708.7	706.7	682.3	631.6	564.6	489.4	412.2	339.1	276.2	227.4	209.2
27.5°	706.7	704.7	678.3	625.5	556.4	479.3	400.1	327.0	264.0	217.3	197.0
30°	694.5	690.5	664.1	611.3	538.2	459.0	379.8	308.7	245.7	199.0	180.7
32.5°	668.1	664.1	635.6	586.9	517.8	436.6	357.4	288.4	227.4	180.7	164.5
35°	635.6	631.6	603.1	556.4	489.4	420.4	333.0	266.0	207.1	166.5	150.3
37.5°	595.0	588.9	564.6	515.8	454.9	402.1	312.7	243.7	188.9	150.3	136.1
40°	544.2	542.2	519.9	475.2	414.3	369.6	300.6	243.7	172.6	136.1	123.9
42.5°	495.5	491.4	471.1	432.6	377.7	322.9	264.0	233.5	160.4	121.8	111.7
45°	444.7	440.7	422.4	389.9	339.1	284.3	284.3	201.0	138.1	111.7	101.5
47.5°	389.9	385.8	371.6	347.3	302.6	253.8	207.1	164.5	125.9	99.5	91.4
50°	335.1	337.1	324.9	300.6	266.0	221.4	178.7	138.1	107.6	89.4	81.2
52.5°	280.2	278.2	270.1	253.8	229.5	190.9	152.3	117.8	93.4	79.2	75.1
55°	225.4	227.4	223.4	213.2	192.9	164.5	127.9	101.5	83.3	71.1	67.0
57.5°	186.8	188.9	180.7	174.6	158.4	134.0	105.6	85.3	71.1	63.0	58.9
60°	154.3	156.4	150.3	142.2	130.0	107.6	85.3	71.1	63.0	56.9	52.8
62.5°	125.9	123.9	119.8	111.7	101.5	85.3	69.0	58.9	52.8	48.7	46.7
65°	97.5	97.5	93.4	87.3	79.2	67.0	54.8	48.7	44.7	40.6	38.6
67.5°	73.1	73.1	69.0	65.0	56.9	48.7	42.6	38.6	36.6	32.5	30.5
70°	50.8	50.8	48.7	46.7	40.6	34.5	32.5	28.4	26.4	24.4	22.3
72.5°	32.5	32.5	32.5	28.4	26.4	22.3	22.3	20.3	18.3	16.2	16.2
75°	16.2	18.3	16.2	16.2	14.2	14.2	12.2	12.2	10.2	10.2	8.1
77.5°	6.1	6.1	6.1	6.1	6.1	6.1	4.1	4.1	4.1	4.1	4.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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	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°	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4	359.4
2.5°	353.4	347.3	343.2	337.1	333.0	329.0	327.0	324.9	324.9	324.9
5°	343.2	333.0	322.9	312.7	306.6	300.6	294.5	292.4	290.4	290.4
7.5°	331.0	314.8	300.6	288.4	278.2	272.1	266.0	262.0	259.9	259.9
10°	314.8	294.5	278.2	262.0	251.8	243.7	239.6	233.5	233.5	231.5
12.5°	296.5	272.1	253.8	239.6	229.5	219.3	213.2	209.2	207.1	207.1
15°	276.2	251.8	231.5	215.3	205.1	195.0	188.9	184.8	182.8	182.8
17.5°	255.9	229.5	209.2	192.9	182.8	172.6	166.5	162.5	162.5	160.4
20°	235.6	209.2	188.9	172.6	162.5	154.3	148.2	144.2	142.2	144.2
22.5°	217.3	190.9	170.6	156.4	144.2	136.1	130.0	127.9	125.9	125.9
25°	197.0	172.6	154.3	140.1	130.0	121.8	115.8	113.7	111.7	109.7
26°	190.9	166.5	148.2	134.0	123.9	115.8	111.7	107.6	105.6	105.6
27.5°	182.8	156.4	140.1	125.9	115.8	109.7	103.6	101.5	99.5	99.5
30°	164.5	142.2	125.9	113.7	105.6	97.5	93.4	91.4	89.4	89.4
32.5°	150.3	127.9	113.7	103.6	95.4	89.4	85.3	81.2	81.2	81.2
35°	136.1	115.8	103.6	93.4	85.3	79.2	77.2	75.1	73.1	73.1
37.5°	123.9	105.6	93.4	85.3	79.2	73.1	69.0	67.0	67.0	67.0
40°	111.7	97.5	85.3	77.2	71.1	67.0	63.0	60.9	60.9	60.9
42.5°	101.5	87.3	79.2	71.1	65.0	60.9	58.9	56.9	54.8	54.8
45°	93.4	81.2	71.1	65.0	60.9	56.9	52.8	50.8	50.8	50.8
47.5°	83.3	75.1	65.0	58.9	54.8	50.8	48.7	46.7	46.7	46.7
50°	77.2	69.0	60.9	54.8	50.8	46.7	44.7	42.6	42.6	42.6
52.5°	69.0	63.0	56.9	50.8	46.7	42.6	40.6	38.6	38.6	38.6
55°	63.0	56.9	50.8	46.7	42.6	38.6	36.6	34.5	34.5	34.5
57.5°	56.9	50.8	46.7	42.6	38.6	36.6	32.5	32.5	30.5	30.5
60°	50.8	44.7	40.6	38.6	34.5	32.5	28.4	26.4	26.4	26.4
62.5°	42.6	40.6	36.6	32.5	28.4	26.4	24.4	22.3	22.3	22.3
65°	36.6	34.5	30.5	26.4	24.4	22.3	20.3	18.3	18.3	18.3
67.5°	30.5	26.4	24.4	22.3	20.3	18.3	16.2	14.2	12.2	14.2
70°	22.3	20.3	18.3	16.2	14.2	12.2	10.2	10.2	8.1	8.1
72.5°	14.2	12.2	12.2	10.2	8.1	8.1	6.1	6.1	4.1	4.1
75°	8.1	8.1	6.1	6.1	4.1	4.1	2.0	2.0	2.0	2.0
77.5°	4.1	2.0	2.0	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)