

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: P3ART20R709827D010 E3CLSWW1MMS

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: P3ART20R709827D010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

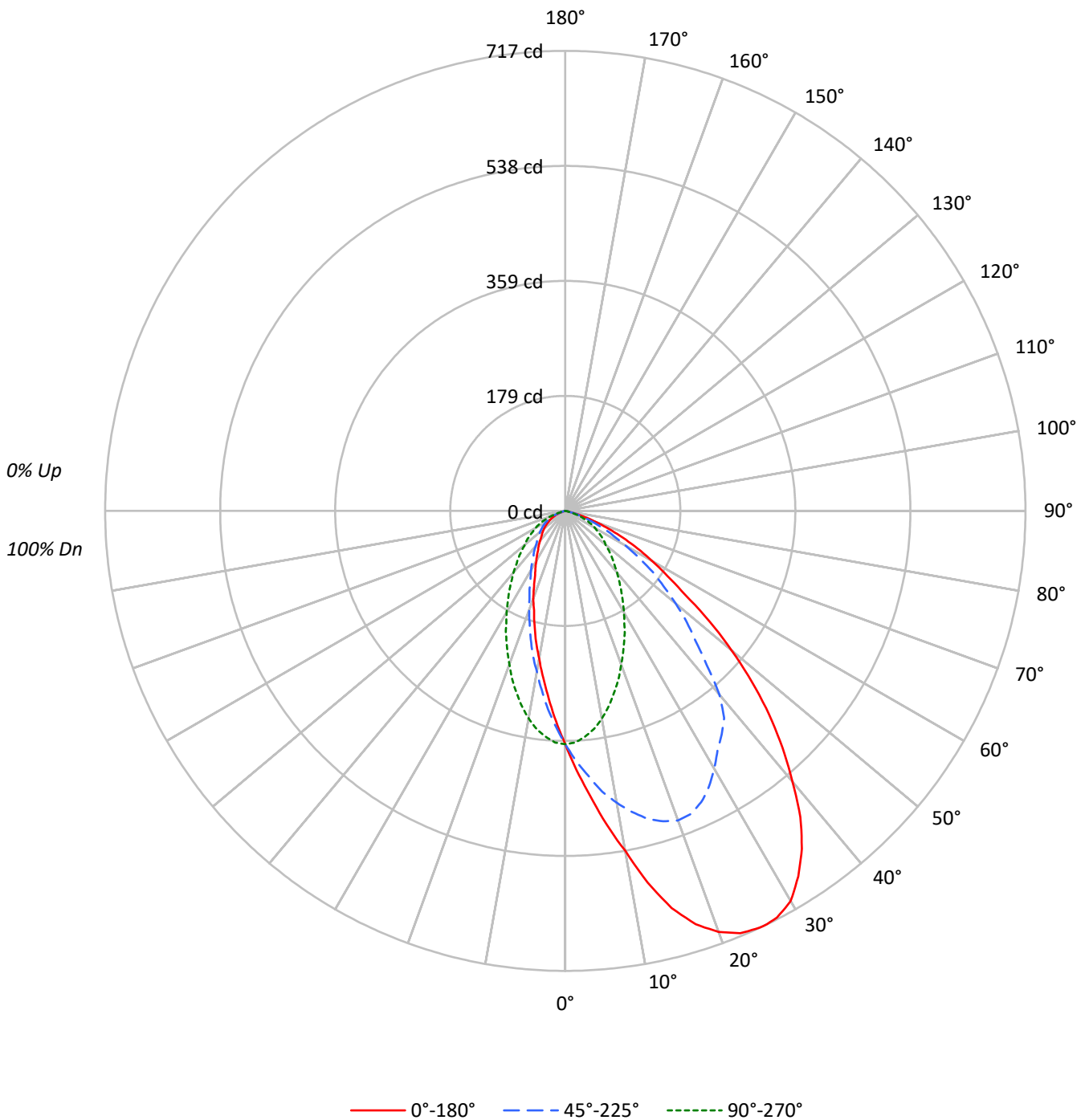
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 26.4 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): 27.4
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	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	79709	79709	79709	79709	79709
5°	98085	91305	77746	68259	64627
10°	119793	102871	73167	56690	52126
15°	145449	112804	66652	47083	41953
20°	162927	119804	59412	38340	34023
25°	173405	121217	52672	31792	26832
30°	177825	117512	46286	27042	22890
35°	172046	113796	40689	23075	19782
40°	157524	106972	35867	20581	17633
45°	139456	89157	31848	19103	15909
50°	115578	76347	28008	17500	14703
55°	87127	63577	25920	16477	13342
60°	68459	47715	23419	15306	11710
65°	51160	35179	20236	12764	9599
70°	32890	22376	14490	9232	5257
75°	13895	12200	6947	3474	1779
80°	2652	2652	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 139456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	4.8
10°-20°	99.2	13.7
20°-30°	145.1	20.0
30°-40°	158.1	21.8
40°-50°	136.8	18.9
50°-60°	91.6	12.7
60°-70°	47.3	6.5
70°-80°	11.2	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°	278.8	38.5
0°-40°	436.9	60.3
0°-60°	665.4	91.9
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	364	364	364	364	364	
5°	446	415	353	310	294	45
15°	641	497	294	207	185	181
25°	717	501	218	131	111	329
35°	643	425	152	86	74	398
45°	450	288	103	62	51	344
55°	228	166	68	43	35	211
65°	99	68	39	25	18	99
75°	16	14	8	4	2	22
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°	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
2.5°	404.5	402.5	402.5	398.4	394.3	390.2	384.0	377.8	371.7	365.5	361.4
5°	445.6	447.7	445.6	437.4	427.1	414.8	402.5	388.1	373.7	361.4	353.2
7.5°	492.8	492.8	486.7	476.4	462.0	441.5	421.0	396.3	373.7	353.2	342.9
10°	538.0	538.0	527.7	511.3	488.7	462.0	433.3	400.4	369.6	340.9	328.6
12.5°	593.4	591.4	579.1	552.4	519.5	480.5	441.5	400.4	363.5	328.6	312.1
15°	640.7	638.6	622.2	589.3	546.2	496.9	443.5	396.3	351.1	312.1	293.6
17.5°	675.6	671.5	653.0	618.1	568.8	507.2	445.6	388.1	336.8	293.6	275.2
20°	698.2	696.1	675.6	634.5	581.1	513.4	443.5	377.8	322.4	275.2	254.6
22.5°	712.5	708.4	687.9	642.7	581.1	511.3	435.3	363.5	303.9	256.7	236.1
25°	716.7	714.6	690.0	640.7	575.0	501.0	423.0	349.1	285.4	238.2	217.7
26°	716.7	714.6	690.0	638.6	570.9	494.9	416.9	342.9	279.3	230.0	211.5
27.5°	714.6	712.5	685.9	632.5	562.6	484.6	404.5	330.6	266.9	219.7	199.2
30°	702.3	698.2	671.5	618.1	544.2	464.1	384.0	312.1	248.5	201.2	182.8
32.5°	675.6	671.5	642.7	593.4	523.6	441.5	361.4	291.6	230.0	182.8	166.3
35°	642.7	638.6	609.9	562.6	494.9	425.1	336.8	269.0	209.5	168.4	152.0
37.5°	601.7	595.5	570.9	521.6	460.0	406.6	316.2	246.4	191.0	152.0	137.6
40°	550.3	548.3	525.7	480.5	418.9	373.7	303.9	246.4	174.5	137.6	125.3
42.5°	501.0	496.9	476.4	437.4	381.9	326.5	266.9	236.1	162.2	123.2	112.9
45°	449.7	445.6	427.1	394.3	342.9	287.5	236.1	203.3	139.6	112.9	102.7
47.5°	394.3	390.2	375.8	351.1	306.0	256.7	209.5	166.3	127.3	100.6	92.4
50°	338.8	340.9	328.6	303.9	269.0	223.8	180.7	139.6	108.8	90.4	82.1
52.5°	283.4	281.3	273.1	256.7	232.0	193.0	154.0	119.1	94.5	80.1	76.0
55°	227.9	230.0	225.9	215.6	195.1	166.3	129.4	102.7	84.2	71.9	67.8
57.5°	188.9	191.0	182.8	176.6	160.2	135.5	106.8	86.2	71.9	63.7	59.6
60°	156.1	158.1	152.0	143.7	131.4	108.8	86.2	71.9	63.7	57.5	53.4
62.5°	127.3	125.3	121.2	112.9	102.7	86.2	69.8	59.6	53.4	49.3	47.2
65°	98.6	98.6	94.5	88.3	80.1	67.8	55.4	49.3	45.2	41.1	39.0
67.5°	73.9	73.9	69.8	65.7	57.5	49.3	43.1	39.0	37.0	32.9	30.8
70°	51.3	51.3	49.3	47.2	41.1	34.9	32.9	28.7	26.7	24.6	22.6
72.5°	32.9	32.9	32.9	28.7	26.7	22.6	22.6	20.5	18.5	16.4	16.4
75°	16.4	18.5	16.4	16.4	14.4	14.4	12.3	12.3	10.3	10.3	8.2
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
2.5°	357.3	351.1	347.0	340.9	336.8	332.7	330.6	328.6	328.6	328.6
5°	347.0	336.8	326.5	316.2	310.1	303.9	297.8	295.7	293.6	293.6
7.5°	334.7	318.3	303.9	291.6	281.3	275.2	269.0	264.9	262.8	262.8
10°	318.3	297.8	281.3	264.9	254.6	246.4	242.3	236.1	236.1	234.1
12.5°	299.8	275.2	256.7	242.3	232.0	221.8	215.6	211.5	209.5	209.5
15°	279.3	254.6	234.1	217.7	207.4	197.1	191.0	186.9	184.8	184.8
17.5°	258.7	232.0	211.5	195.1	184.8	174.5	168.4	164.3	164.3	162.2
20°	238.2	211.5	191.0	174.5	164.3	156.1	149.9	145.8	143.7	145.8
22.5°	219.7	193.0	172.5	158.1	145.8	137.6	131.4	129.4	127.3	127.3
25°	199.2	174.5	156.1	141.7	131.4	123.2	117.0	115.0	112.9	110.9
26°	193.0	168.4	149.9	135.5	125.3	117.0	112.9	108.8	106.8	106.8
27.5°	184.8	158.1	141.7	127.3	117.0	110.9	104.7	102.7	100.6	100.6
30°	166.3	143.7	127.3	115.0	106.8	98.6	94.5	92.4	90.4	90.4
32.5°	152.0	129.4	115.0	104.7	96.5	90.4	86.2	82.1	82.1	82.1
35°	137.6	117.0	104.7	94.5	86.2	80.1	78.0	76.0	73.9	73.9
37.5°	125.3	106.8	94.5	86.2	80.1	73.9	69.8	67.8	67.8	67.8
40°	112.9	98.6	86.2	78.0	71.9	67.8	63.7	61.6	61.6	61.6
42.5°	102.7	88.3	80.1	71.9	65.7	61.6	59.6	57.5	55.4	55.4
45°	94.5	82.1	71.9	65.7	61.6	57.5	53.4	51.3	51.3	51.3
47.5°	84.2	76.0	65.7	59.6	55.4	51.3	49.3	47.2	47.2	47.2
50°	78.0	69.8	61.6	55.4	51.3	47.2	45.2	43.1	43.1	43.1
52.5°	69.8	63.7	57.5	51.3	47.2	43.1	41.1	39.0	39.0	39.0
55°	63.7	57.5	51.3	47.2	43.1	39.0	37.0	34.9	34.9	34.9
57.5°	57.5	51.3	47.2	43.1	39.0	37.0	32.9	32.9	30.8	30.8
60°	51.3	45.2	41.1	39.0	34.9	32.9	28.7	26.7	26.7	26.7
62.5°	43.1	41.1	37.0	32.9	28.7	26.7	24.6	22.6	22.6	22.6
65°	37.0	34.9	30.8	26.7	24.6	22.6	20.5	18.5	18.5	18.5
67.5°	30.8	26.7	24.6	22.6	20.5	18.5	16.4	14.4	12.3	14.4
70°	22.6	20.5	18.5	16.4	14.4	12.3	10.3	10.3	8.2	8.2
72.5°	14.4	12.3	12.3	10.3	8.2	8.2	6.2	6.2	4.1	4.1
75°	8.2	8.2	6.2	6.2	4.1	4.1	2.1	2.1	2.1	2.1
77.5°	4.1	2.1	2.1	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)