

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: P1445900

Luminaire Tested: P3ART09R709030DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445900
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: P3ART09R709030DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

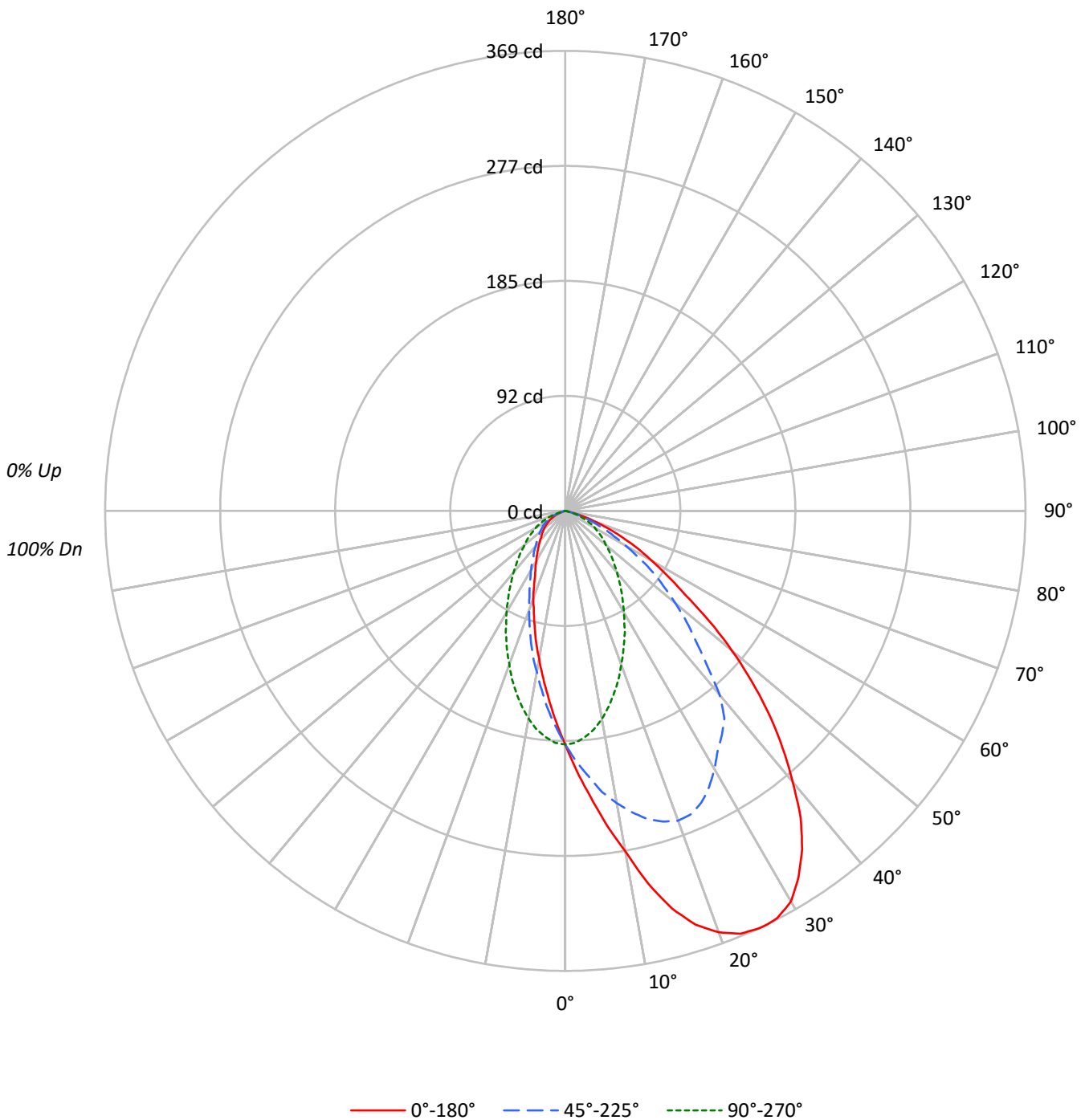
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 33.6 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	41071	41071	41071	41071	41071
5°	50539	47039	40062	35153	33304
10°	61722	52994	37697	29213	26853
15°	74938	58116	34348	24268	21612
20°	83937	61722	30616	19742	17525
25°	89328	62447	27123	16380	13815
30°	91609	60541	23852	13926	11774
35°	88633	58625	20960	11886	10199
40°	81152	55103	18463	10591	9074
45°	71852	45927	16405	9830	8187
50°	59563	39333	14430	9006	7573
55°	44883	32763	13342	8487	6881
60°	35260	24603	12060	7894	6052
65°	26358	18108	10429	6590	4929
70°	16926	11540	7437	4744	2693
75°	7202	6270	3558	1779	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 71852 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	4.8
10°-20°	51.1	13.7
20°-30°	74.8	20.0
30°-40°	81.4	21.8
40°-50°	70.5	18.9
50°-60°	47.2	12.7
60°-70°	24.4	6.5
70°-80°	5.8	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°	143.6	38.5
0°-40°	225.1	60.3
0°-60°	342.8	91.9
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	187	187	187	187	187	
5°	230	214	182	160	151	23
15°	330	256	151	107	95	93
25°	369	258	112	68	57	170
35°	331	219	78	44	38	205
45°	232	148	53	32	26	177
55°	117	86	35	22	18	109
65°	51	35	20	13	10	51
75°	8	7	4	2	1	11
85°	0	0	0	0	0	0
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°	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3
2.5°	208.4	207.4	207.4	205.2	203.1	201.0	197.8	194.7	191.5	188.3	186.2
5°	229.6	230.6	229.6	225.3	220.0	213.7	207.4	199.9	192.5	186.2	182.0
7.5°	253.9	253.9	250.7	245.4	238.0	227.5	216.9	204.2	192.5	182.0	176.7
10°	277.2	277.2	271.9	263.4	251.8	238.0	223.2	206.3	190.4	175.6	169.3
12.5°	305.7	304.7	298.3	284.6	267.7	247.6	227.5	206.3	187.3	169.3	160.8
15°	330.1	329.0	320.6	303.6	281.4	256.0	228.5	204.2	180.9	160.8	151.3
17.5°	348.1	345.9	336.4	318.4	293.0	261.3	229.6	199.9	173.5	151.3	141.8
20°	359.7	358.6	348.1	326.9	299.4	264.5	228.5	194.7	166.1	141.8	131.2
22.5°	367.1	365.0	354.4	331.1	299.4	263.4	224.3	187.3	156.6	132.2	121.7
25°	369.2	368.2	355.5	330.1	296.2	258.1	217.9	179.8	147.1	122.7	112.1
26°	369.2	368.2	355.5	329.0	294.1	255.0	214.8	176.7	143.9	118.5	109.0
27.5°	368.2	367.1	353.3	325.8	289.9	249.7	208.4	170.3	137.5	113.2	102.6
30°	361.8	359.7	345.9	318.4	280.4	239.1	197.8	160.8	128.0	103.7	94.2
32.5°	348.1	345.9	331.1	305.7	269.8	227.5	186.2	150.2	118.5	94.2	85.7
35°	331.1	329.0	314.2	289.9	255.0	219.0	173.5	138.6	107.9	86.7	78.3
37.5°	310.0	306.8	294.1	268.7	237.0	209.5	162.9	127.0	98.4	78.3	70.9
40°	283.5	282.5	270.8	247.6	215.8	192.5	156.6	127.0	89.9	70.9	64.5
42.5°	258.1	256.0	245.4	225.3	196.8	168.2	137.5	121.7	83.6	63.5	58.2
45°	231.7	229.6	220.0	203.1	176.7	148.1	148.1	104.7	71.9	58.2	52.9
47.5°	203.1	201.0	193.6	180.9	157.6	132.2	107.9	85.7	65.6	51.8	47.6
50°	174.6	175.6	169.3	156.6	138.6	115.3	93.1	71.9	56.1	46.5	42.3
52.5°	146.0	144.9	140.7	132.2	119.5	99.4	79.3	61.4	48.7	41.3	39.1
55°	117.4	118.5	116.4	111.1	100.5	85.7	66.6	52.9	43.4	37.0	34.9
57.5°	97.3	98.4	94.2	91.0	82.5	69.8	55.0	44.4	37.0	32.8	30.7
60°	80.4	81.5	78.3	74.1	67.7	56.1	44.4	37.0	32.8	29.6	27.5
62.5°	65.6	64.5	62.4	58.2	52.9	44.4	36.0	30.7	27.5	25.4	24.3
65°	50.8	50.8	48.7	45.5	41.3	34.9	28.6	25.4	23.3	21.2	20.1
67.5°	38.1	38.1	36.0	33.9	29.6	25.4	22.2	20.1	19.0	16.9	15.9
70°	26.4	26.4	25.4	24.3	21.2	18.0	16.9	14.8	13.8	12.7	11.6
72.5°	16.9	16.9	16.9	14.8	13.8	11.6	11.6	10.6	9.5	8.5	8.5
75°	8.5	9.5	8.5	8.5	7.4	7.4	6.3	6.3	5.3	5.3	4.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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°	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3	187.3
2.5°	184.1	180.9	178.8	175.6	173.5	171.4	170.3	169.3	169.3	169.3
5°	178.8	173.5	168.2	162.9	159.7	156.6	153.4	152.3	151.3	151.3
7.5°	172.4	164.0	156.6	150.2	144.9	141.8	138.6	136.5	135.4	135.4
10°	164.0	153.4	144.9	136.5	131.2	127.0	124.8	121.7	121.7	120.6
12.5°	154.5	141.8	132.2	124.8	119.5	114.3	111.1	109.0	107.9	107.9
15°	143.9	131.2	120.6	112.1	106.9	101.6	98.4	96.3	95.2	95.2
17.5°	133.3	119.5	109.0	100.5	95.2	89.9	86.7	84.6	84.6	83.6
20°	122.7	109.0	98.4	89.9	84.6	80.4	77.2	75.1	74.1	75.1
22.5°	113.2	99.4	88.9	81.5	75.1	70.9	67.7	66.6	65.6	65.6
25°	102.6	89.9	80.4	73.0	67.7	63.5	60.3	59.2	58.2	57.1
26°	99.4	86.7	77.2	69.8	64.5	60.3	58.2	56.1	55.0	55.0
27.5°	95.2	81.5	73.0	65.6	60.3	57.1	54.0	52.9	51.8	51.8
30°	85.7	74.1	65.6	59.2	55.0	50.8	48.7	47.6	46.5	46.5
32.5°	78.3	66.6	59.2	54.0	49.7	46.5	44.4	42.3	42.3	42.3
35°	70.9	60.3	54.0	48.7	44.4	41.3	40.2	39.1	38.1	38.1
37.5°	64.5	55.0	48.7	44.4	41.3	38.1	36.0	34.9	34.9	34.9
40°	58.2	50.8	44.4	40.2	37.0	34.9	32.8	31.7	31.7	31.7
42.5°	52.9	45.5	41.3	37.0	33.9	31.7	30.7	29.6	28.6	28.6
45°	48.7	42.3	37.0	33.9	31.7	29.6	27.5	26.4	26.4	26.4
47.5°	43.4	39.1	33.9	30.7	28.6	26.4	25.4	24.3	24.3	24.3
50°	40.2	36.0	31.7	28.6	26.4	24.3	23.3	22.2	22.2	22.2
52.5°	36.0	32.8	29.6	26.4	24.3	22.2	21.2	20.1	20.1	20.1
55°	32.8	29.6	26.4	24.3	22.2	20.1	19.0	18.0	18.0	18.0
57.5°	29.6	26.4	24.3	22.2	20.1	19.0	16.9	16.9	15.9	15.9
60°	26.4	23.3	21.2	20.1	18.0	16.9	14.8	13.8	13.8	13.8
62.5°	22.2	21.2	19.0	16.9	14.8	13.8	12.7	11.6	11.6	11.6
65°	19.0	18.0	15.9	13.8	12.7	11.6	10.6	9.5	9.5	9.5
67.5°	15.9	13.8	12.7	11.6	10.6	9.5	8.5	7.4	6.3	7.4
70°	11.6	10.6	9.5	8.5	7.4	6.3	5.3	5.3	4.2	4.2
72.5°	7.4	6.3	6.3	5.3	4.2	4.2	3.2	3.2	2.1	2.1
75°	4.2	4.2	3.2	3.2	2.1	2.1	1.1	1.1	1.1	1.1
77.5°	2.1	1.1	1.1	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)