

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: P1446030

Luminaire Tested: P3ART09R709035DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446030
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: P3ART09R709035DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

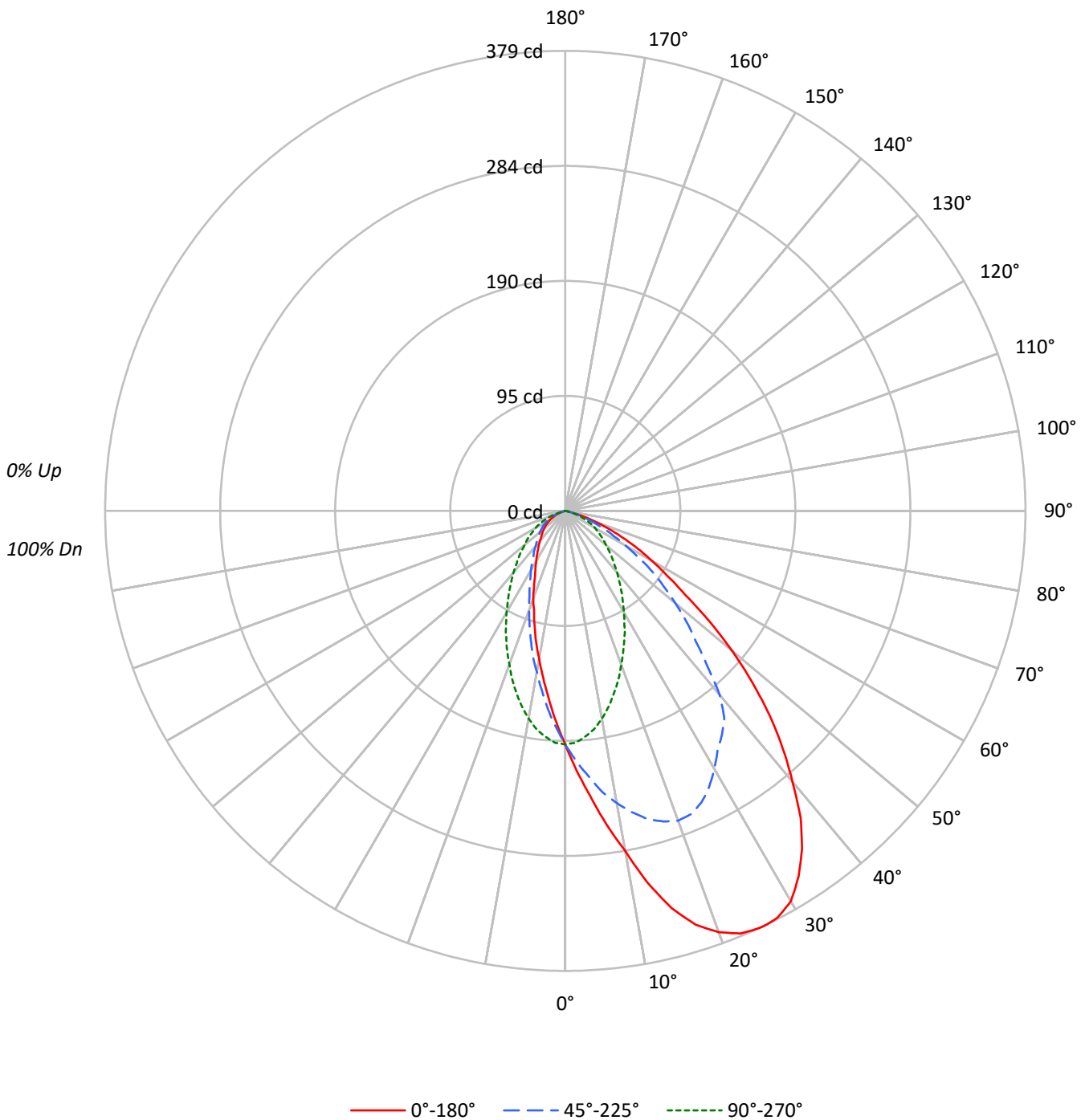
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 383.0 lumens
Efficiency: N/A
Efficacy: 34.5 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	100			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43			43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39			39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42168	42168	42168	42168	42168
5°	51882	48294	41118	36099	34184
10°	63370	54419	38699	29993	27566
15°	76936	59683	35256	24904	22202
20°	86177	63379	31433	20278	17992
25°	91723	64141	27848	16815	14202
30°	94065	62161	24485	14306	12103
35°	91015	60204	21522	12207	10467
40°	83328	56592	18978	10878	9332
45°	73775	47168	16839	10110	8435
50°	61132	40391	14840	9279	7778
55°	46106	33643	13686	8717	7073
60°	36225	25261	12367	8113	6184
65°	27033	18575	10689	6745	5085
70°	17439	11861	7629	4873	2757
75°	7371	6439	3643	1864	932
80°	1389	1389	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 73775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	4.8
10°-20°	52.5	13.7
20°-30°	76.8	20.0
30°-40°	83.6	21.8
40°-50°	72.4	18.9
50°-60°	48.5	12.7
60°-70°	25.0	6.5
70°-80°	5.9	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°	147.5	38.5
0°-40°	231.1	60.3
0°-60°	352.0	91.9
0°-90°	383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	236	219	187	164	155	24
15°	339	263	155	110	98	96
25°	379	265	115	70	59	174
35°	340	225	80	46	39	211
45°	238	152	54	33	27	182
55°	121	88	36	23	18	112
65°	52	36	21	13	10	53
75°	9	8	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°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	214.0	212.9	212.9	210.7	208.6	206.4	203.1	199.9	196.6	193.4	191.2
5°	235.7	236.8	235.7	231.4	225.9	219.4	212.9	205.3	197.7	191.2	186.8
7.5°	260.7	260.7	257.5	252.0	244.4	233.6	222.7	209.7	197.7	186.8	181.4
10°	284.6	284.6	279.2	270.5	258.5	244.4	229.2	211.8	195.5	180.3	173.8
12.5°	313.9	312.9	306.3	292.2	274.8	254.2	233.6	211.8	192.3	173.8	165.1
15°	338.9	337.8	329.1	311.8	289.0	262.9	234.6	209.7	185.8	165.1	155.3
17.5°	357.4	355.2	345.4	327.0	300.9	268.3	235.7	205.3	178.2	155.3	145.6
20°	369.3	368.3	357.4	335.7	307.4	271.6	234.6	199.9	170.5	145.6	134.7
22.5°	376.9	374.8	363.9	340.0	307.4	270.5	230.3	192.3	160.8	135.8	124.9
25°	379.1	378.0	365.0	338.9	304.2	265.1	223.8	184.7	151.0	126.0	115.1
26°	379.1	378.0	365.0	337.8	302.0	261.8	220.5	181.4	147.7	121.7	111.9
27.5°	378.0	376.9	362.8	334.6	297.6	256.4	214.0	174.9	141.2	116.2	105.4
30°	371.5	369.3	355.2	327.0	287.9	245.5	203.1	165.1	131.4	106.5	96.7
32.5°	357.4	355.2	340.0	313.9	277.0	233.6	191.2	154.3	121.7	96.7	88.0
35°	340.0	337.8	322.6	297.6	261.8	224.9	178.2	142.3	110.8	89.1	80.4
37.5°	318.3	315.0	302.0	275.9	243.3	215.1	167.3	130.4	101.0	80.4	72.8
40°	291.1	290.0	278.1	254.2	221.6	197.7	160.8	130.4	92.3	72.8	66.3
42.5°	265.1	262.9	252.0	231.4	202.0	172.7	141.2	124.9	85.8	65.2	59.7
45°	237.9	235.7	225.9	208.6	181.4	152.1	124.9	107.5	73.9	59.7	54.3
47.5°	208.6	206.4	198.8	185.8	161.9	135.8	110.8	88.0	67.3	53.2	48.9
50°	179.2	180.3	173.8	160.8	142.3	118.4	95.6	73.9	57.6	47.8	43.5
52.5°	149.9	148.8	144.5	135.8	122.8	102.1	81.5	63.0	50.0	42.4	40.2
55°	120.6	121.7	119.5	114.1	103.2	88.0	68.4	54.3	44.5	38.0	35.8
57.5°	99.9	101.0	96.7	93.4	84.7	71.7	56.5	45.6	38.0	33.7	31.5
60°	82.6	83.6	80.4	76.0	69.5	57.6	45.6	38.0	33.7	30.4	28.2
62.5°	67.3	66.3	64.1	59.7	54.3	45.6	36.9	31.5	28.2	26.1	25.0
65°	52.1	52.1	50.0	46.7	42.4	35.8	29.3	26.1	23.9	21.7	20.6
67.5°	39.1	39.1	36.9	34.8	30.4	26.1	22.8	20.6	19.6	17.4	16.3
70°	27.2	27.2	26.1	25.0	21.7	18.5	17.4	15.2	14.1	13.0	11.9
72.5°	17.4	17.4	17.4	15.2	14.1	11.9	11.9	10.9	9.8	8.7	8.7
75°	8.7	9.8	8.7	8.7	7.6	7.6	6.5	6.5	5.4	5.4	4.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2
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°	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
2.5°	189.0	185.8	183.6	180.3	178.2	176.0	174.9	173.8	173.8	173.8
5°	183.6	178.2	172.7	167.3	164.0	160.8	157.5	156.4	155.3	155.3
7.5°	177.1	168.4	160.8	154.3	148.8	145.6	142.3	140.1	139.0	139.0
10°	168.4	157.5	148.8	140.1	134.7	130.4	128.2	124.9	124.9	123.8
12.5°	158.6	145.6	135.8	128.2	122.8	117.3	114.1	111.9	110.8	110.8
15°	147.7	134.7	123.8	115.1	109.7	104.3	101.0	98.9	97.8	97.8
17.5°	136.9	122.8	111.9	103.2	97.8	92.3	89.1	86.9	86.9	85.8
20°	126.0	111.9	101.0	92.3	86.9	82.6	79.3	77.1	76.0	77.1
22.5°	116.2	102.1	91.2	83.6	77.1	72.8	69.5	68.4	67.3	67.3
25°	105.4	92.3	82.6	75.0	69.5	65.2	61.9	60.8	59.7	58.7
26°	102.1	89.1	79.3	71.7	66.3	61.9	59.7	57.6	56.5	56.5
27.5°	97.8	83.6	75.0	67.3	61.9	58.7	55.4	54.3	53.2	53.2
30°	88.0	76.0	67.3	60.8	56.5	52.1	50.0	48.9	47.8	47.8
32.5°	80.4	68.4	60.8	55.4	51.1	47.8	45.6	43.5	43.5	43.5
35°	72.8	61.9	55.4	50.0	45.6	42.4	41.3	40.2	39.1	39.1
37.5°	66.3	56.5	50.0	45.6	42.4	39.1	36.9	35.8	35.8	35.8
40°	59.7	52.1	45.6	41.3	38.0	35.8	33.7	32.6	32.6	32.6
42.5°	54.3	46.7	42.4	38.0	34.8	32.6	31.5	30.4	29.3	29.3
45°	50.0	43.5	38.0	34.8	32.6	30.4	28.2	27.2	27.2	27.2
47.5°	44.5	40.2	34.8	31.5	29.3	27.2	26.1	25.0	25.0	25.0
50°	41.3	36.9	32.6	29.3	27.2	25.0	23.9	22.8	22.8	22.8
52.5°	36.9	33.7	30.4	27.2	25.0	22.8	21.7	20.6	20.6	20.6
55°	33.7	30.4	27.2	25.0	22.8	20.6	19.6	18.5	18.5	18.5
57.5°	30.4	27.2	25.0	22.8	20.6	19.6	17.4	17.4	16.3	16.3
60°	27.2	23.9	21.7	20.6	18.5	17.4	15.2	14.1	14.1	14.1
62.5°	22.8	21.7	19.6	17.4	15.2	14.1	13.0	11.9	11.9	11.9
65°	19.6	18.5	16.3	14.1	13.0	11.9	10.9	9.8	9.8	9.8
67.5°	16.3	14.1	13.0	11.9	10.9	9.8	8.7	7.6	6.5	7.6
70°	11.9	10.9	9.8	8.7	7.6	6.5	5.4	5.4	4.3	4.3
72.5°	7.6	6.5	6.5	5.4	4.3	4.3	3.3	3.3	2.2	2.2
75°	4.3	4.3	3.3	3.3	2.2	2.2	1.1	1.1	1.1	1.1
77.5°	2.2	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)