

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: P1446037

Luminaire Tested: P3ART09R709035DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R709035DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

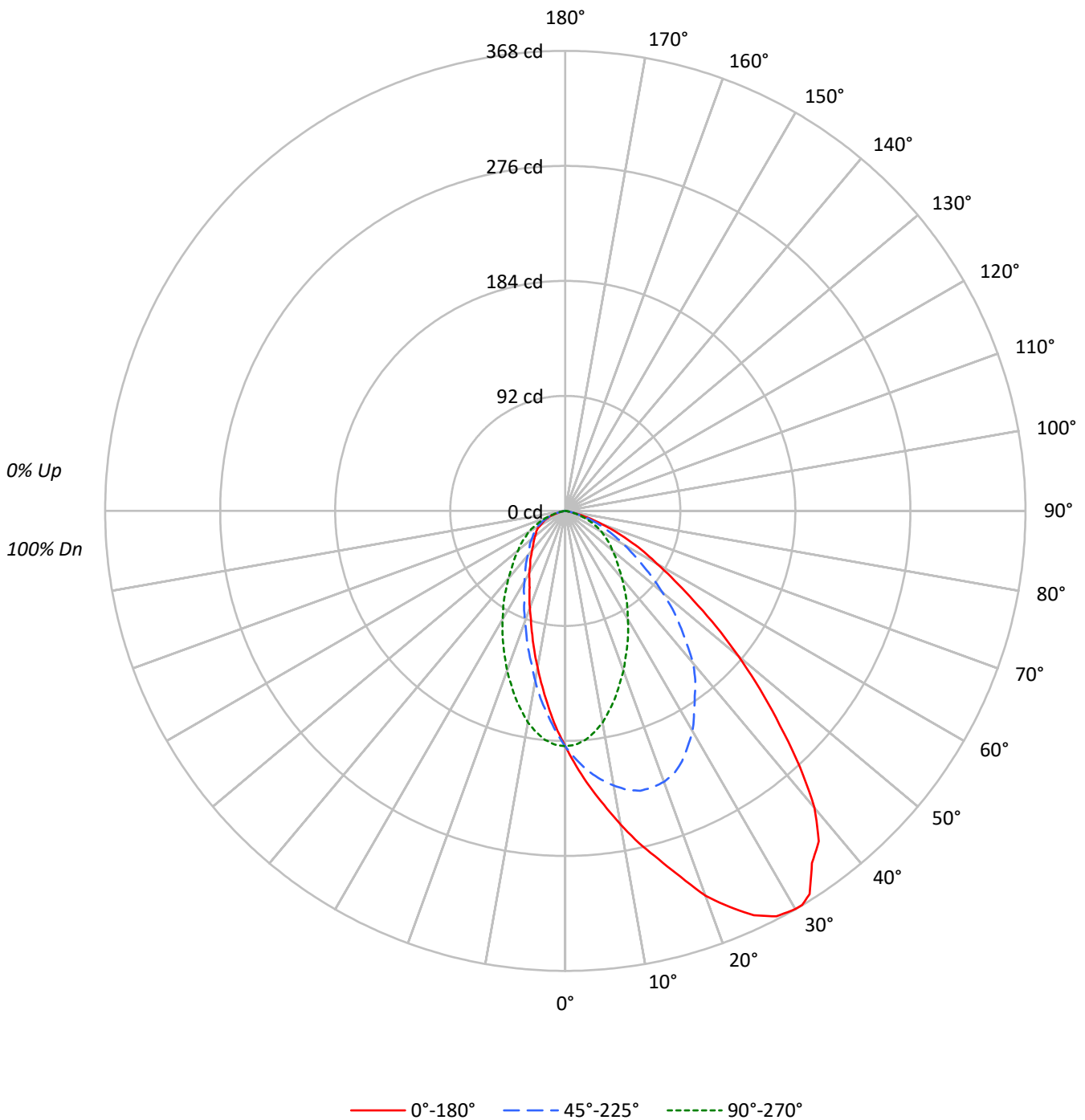
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 383.0 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41291	41291	41291	41291	41291
5°	48624	45983	40480	35923	34493
10°	56690	49676	38276	30772	28345
15°	65471	52622	35074	25948	23224
20°	76447	53835	31736	21842	19298
25°	86352	53447	28429	18703	16332
30°	93128	51527	25346	16534	14610
35°	92059	48345	22727	14857	13117
40°	88766	45485	20238	13397	11851
45°	75264	40159	18234	12497	11133
50°	61610	34523	16716	11872	10780
55°	47826	28711	15827	11660	10819
60°	37234	23858	14780	11446	10043
65°	29368	19769	12972	10740	9599
70°	20260	14682	10450	9040	8399
75°	10167	8303	7371	6439	5507
80°	1389	2778	4167	2778	1389
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75264 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	4.6
10°-20°	49.0	12.8
20°-30°	72.3	18.9
30°-40°	81.0	21.2
40°-50°	71.2	18.6
50°-60°	51.0	13.3
60°-70°	30.2	7.9
70°-80°	10.1	2.6
80°-90°	0.5	0.1
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°	138.9	36.3
0°-40°	220.0	57.4
0°-60°	342.2	89.3
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°	188	188	188	188	188	
5°	221	209	184	163	157	22
15°	288	232	154	114	102	83
25°	357	221	118	77	68	164
35°	344	181	85	56	49	216
45°	243	130	59	40	36	188
55°	125	75	41	30	28	114
65°	57	38	25	21	18	56
75°	12	10	9	8	6	15
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°	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3
2.5°	204.6	204.6	204.6	202.4	202.4	199.1	197.0	193.7	191.5	188.3	187.2
5°	220.9	220.9	218.7	216.6	213.3	208.9	203.5	198.1	191.5	186.1	183.9
7.5°	237.2	238.3	235.1	230.7	224.2	216.6	208.9	200.2	190.4	182.8	178.5
10°	254.6	254.6	250.3	243.8	234.0	223.1	211.1	199.1	187.2	176.3	171.9
12.5°	272.1	271.0	265.5	255.7	243.8	228.5	212.2	197.0	182.8	169.8	163.2
15°	288.4	288.4	280.8	268.8	251.4	231.8	212.2	192.6	176.3	161.1	154.5
17.5°	306.9	306.9	297.1	278.6	256.8	231.8	208.9	187.2	168.7	152.3	144.7
20°	327.6	326.5	312.3	287.3	259.0	230.7	204.6	180.6	160.0	142.6	136.0
22.5°	342.8	341.7	325.4	294.9	260.1	227.4	197.0	171.9	151.3	133.8	126.2
25°	356.9	354.8	336.3	298.2	257.9	220.9	189.3	162.1	142.6	125.1	117.5
27.5°	365.6	364.6	343.9	297.1	252.5	212.2	179.6	153.4	132.8	115.4	108.8
30°	367.8	368.9	343.9	291.6	243.8	203.5	169.8	143.6	123.0	107.7	100.1
31°	367.8	368.9	341.7	288.4	240.5	199.1	165.4	140.4	118.6	103.4	96.9
32.5°	363.5	361.3	338.4	282.9	232.9	191.5	160.0	134.9	113.2	97.9	92.5
35°	343.9	345.0	327.6	271.0	222.0	180.6	149.1	124.1	103.4	90.3	84.9
37.5°	333.0	333.0	301.4	254.6	210.0	170.8	136.0	112.1	94.7	82.7	77.3
40°	310.1	306.9	277.5	237.2	195.9	158.9	128.4	104.5	87.1	75.1	70.7
42.5°	277.5	274.2	251.4	222.0	177.4	143.6	121.9	92.5	78.4	68.6	64.2
45°	242.7	240.5	223.1	195.9	160.0	129.5	105.6	84.9	71.8	62.0	58.8
47.5°	211.1	207.8	194.8	174.1	144.7	116.4	91.4	76.2	64.2	56.6	54.4
50°	180.6	179.6	168.7	152.3	128.4	101.2	80.5	67.5	58.8	52.2	49.0
52.5°	152.3	150.2	144.7	131.7	112.1	88.1	70.7	59.9	52.2	47.9	45.7
55°	125.1	125.1	119.7	111.0	95.8	75.1	62.0	53.3	46.8	43.5	41.4
57.5°	103.4	103.4	99.0	93.6	79.4	64.2	54.4	46.8	42.4	39.2	37.0
60°	84.9	84.9	81.6	76.2	66.4	54.4	46.8	41.4	38.1	34.8	33.7
62.5°	70.7	69.6	67.5	62.0	54.4	45.7	40.3	35.9	32.6	30.5	29.4
65°	56.6	55.5	53.3	49.0	43.5	38.1	33.7	30.5	28.3	26.1	25.0
67.5°	43.5	43.5	41.4	38.1	33.7	30.5	27.2	25.0	22.9	21.8	20.7
70°	31.6	31.6	30.5	28.3	25.0	22.9	20.7	19.6	18.5	17.4	16.3
72.5°	21.8	21.8	20.7	19.6	17.4	16.3	14.1	14.1	13.1	13.1	12.0
75°	12.0	12.0	12.0	10.9	10.9	9.8	9.8	9.8	8.7	8.7	8.7
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
80°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.3	3.3	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3
2.5°	186.1	182.8	180.6	179.6	176.3	175.2	174.1	173.0	173.0	173.0
5°	181.7	176.3	170.8	167.6	163.2	161.1	158.9	157.8	156.7	156.7
7.5°	174.1	167.6	161.1	155.6	151.3	146.9	144.7	142.6	142.6	141.5
10°	166.5	157.8	150.2	142.6	138.2	132.8	130.6	128.4	127.3	127.3
12.5°	157.8	146.9	138.2	131.7	125.1	120.8	117.5	115.4	114.3	114.3
15°	148.0	137.1	127.3	120.8	114.3	108.8	105.6	103.4	102.3	102.3
17.5°	138.2	127.3	116.4	109.9	103.4	97.9	95.8	93.6	92.5	91.4
20°	129.5	116.4	107.7	99.0	93.6	89.2	86.0	83.8	82.7	82.7
22.5°	119.7	107.7	97.9	91.4	86.0	81.6	77.3	76.2	75.1	75.1
25°	109.9	99.0	90.3	83.8	77.3	74.0	70.7	68.6	68.6	67.5
27.5°	102.3	91.4	82.7	76.2	71.8	67.5	65.3	63.1	62.0	62.0
30°	93.6	83.8	76.2	70.7	65.3	62.0	59.9	57.7	57.7	57.7
31°	91.4	81.6	74.0	67.5	63.1	59.9	57.7	56.6	55.5	55.5
32.5°	86.0	77.3	69.6	64.2	59.9	56.6	54.4	53.3	53.3	52.2
35°	79.4	70.7	64.2	58.8	55.5	52.2	50.1	49.0	49.0	49.0
37.5°	72.9	65.3	58.8	54.4	51.1	47.9	46.8	44.6	44.6	44.6
40°	66.4	59.9	54.4	50.1	46.8	44.6	43.5	42.4	41.4	41.4
42.5°	60.9	54.4	50.1	46.8	43.5	41.4	40.3	39.2	39.2	38.1
45°	55.5	50.1	46.8	43.5	40.3	39.2	38.1	37.0	35.9	35.9
47.5°	51.1	46.8	42.4	40.3	38.1	35.9	34.8	34.8	33.7	33.7
50°	46.8	42.4	39.2	37.0	34.8	33.7	32.6	32.6	31.6	31.6
52.5°	43.5	39.2	37.0	34.8	32.6	31.6	30.5	30.5	29.4	29.4
55°	39.2	35.9	33.7	32.6	30.5	29.4	28.3	27.2	27.2	28.3
57.5°	35.9	33.7	31.6	30.5	28.3	27.2	26.1	26.1	25.0	26.1
60°	32.6	30.5	28.3	27.2	26.1	25.0	23.9	22.9	22.9	22.9
62.5°	29.4	27.2	26.1	23.9	22.9	22.9	21.8	21.8	21.8	20.7
65°	25.0	23.9	22.9	21.8	20.7	19.6	19.6	18.5	18.5	18.5
67.5°	20.7	19.6	18.5	18.5	17.4	16.3	16.3	16.3	16.3	15.2
70°	16.3	15.2	15.2	14.1	14.1	14.1	13.1	13.1	13.1	13.1
72.5°	12.0	12.0	10.9	10.9	10.9	10.9	9.8	9.8	9.8	9.8
75°	8.7	8.7	8.7	7.6	7.6	7.6	6.5	6.5	6.5	6.5
77.5°	5.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4
80°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	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)