

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: P3ART09R709840DE010 E3LSWW1WMH

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: P3ART09R709840DE010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

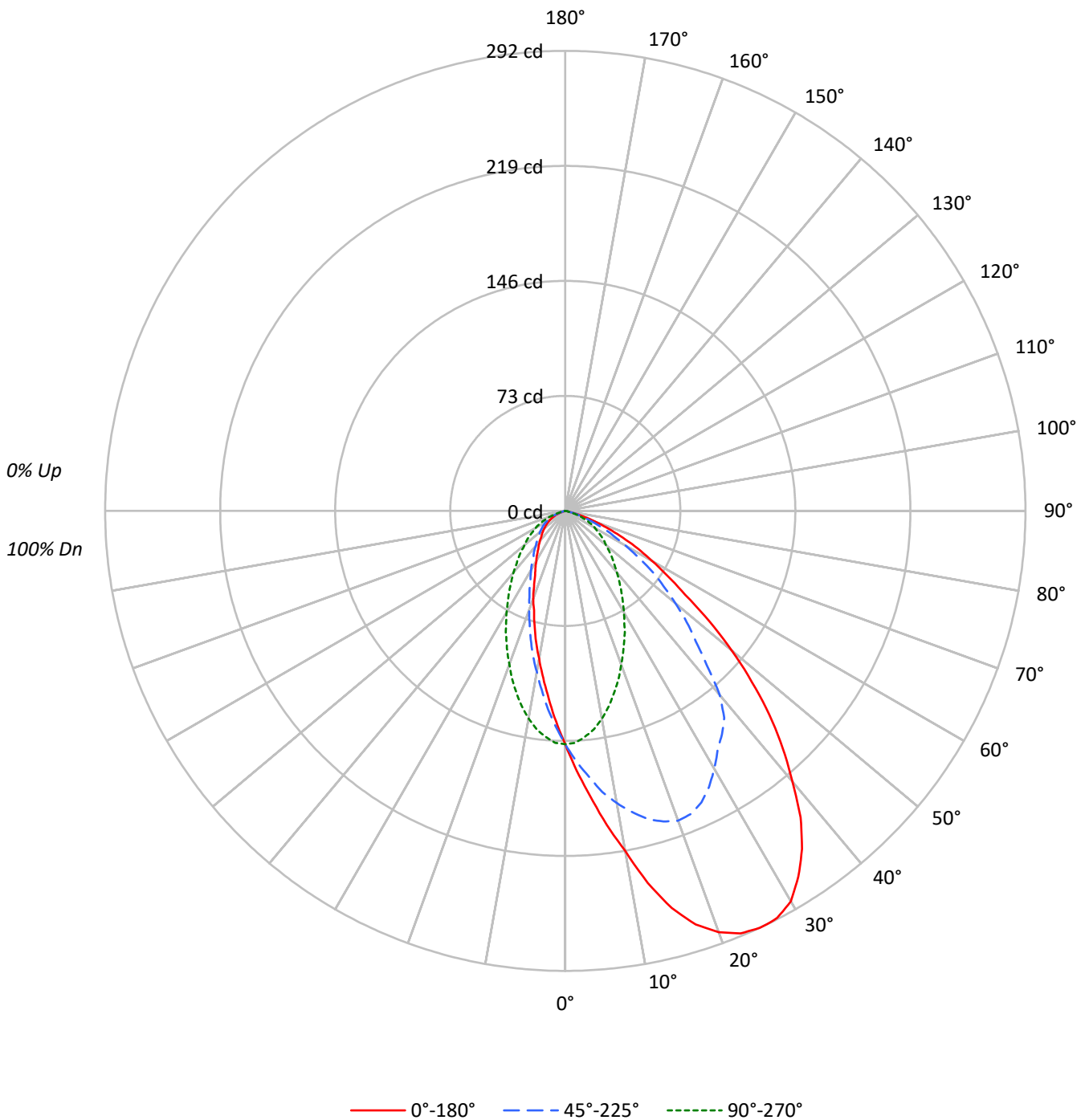
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 26.8 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): 11
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°	32475	32475	32475	32475	32475
5°	39973	37200	31675	27801	26326
10°	48808	41928	29815	23112	21242
15°	59251	45971	27151	19183	17094
20°	66389	48818	24222	15611	13861
25°	70649	49406	21461	12944	10936
30°	72467	47881	18864	11014	9318
35°	70109	46364	16570	9396	8058
40°	64177	43596	14599	8387	7185
45°	56812	36314	12963	7784	6481
50°	47111	31112	11428	7130	6004
55°	35516	25920	10552	6729	5429
60°	27893	19428	9561	6228	4780
65°	20858	14321	8250	5189	3891
70°	13400	9104	5898	3783	2116
75°	5676	4999	2796	1440	678
80°	1010	1010	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	4.8
10°-20°	40.4	13.7
20°-30°	59.1	20.0
30°-40°	64.4	21.8
40°-50°	55.7	18.9
50°-60°	37.3	12.7
60°-70°	19.3	6.5
70°-80°	4.6	1.5
80°-90°	0.0	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°	113.6	38.5
0°-40°	178.0	60.3
0°-60°	271.1	91.9
0°-90°	295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	148	148	148	148	148	
5°	182	169	144	126	120	19
15°	261	202	120	84	75	74
25°	292	204	89	54	45	134
35°	262	173	62	35	30	162
45°	183	117	42	25	21	140
55°	93	68	28	18	14	86
65°	40	28	16	10	8	41
75°	7	6	3	2	1	9
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	164.8	164.0	164.0	162.3	160.6	159.0	156.5	154.0	151.4	148.9	147.3
5°	181.6	182.4	181.6	178.2	174.0	169.0	164.0	158.1	152.3	147.3	143.9
7.5°	200.8	200.8	198.3	194.1	188.3	179.9	171.5	161.5	152.3	143.9	139.7
10°	219.2	219.2	215.0	208.3	199.1	188.3	176.5	163.2	150.6	138.9	133.9
12.5°	241.8	241.0	235.9	225.1	211.7	195.8	179.9	163.2	148.1	133.9	127.2
15°	261.0	260.2	253.5	240.1	222.6	202.5	180.7	161.5	143.1	127.2	119.6
17.5°	275.3	273.6	266.1	251.8	231.8	206.7	181.6	158.1	137.2	119.6	112.1
20°	284.5	283.6	275.3	258.5	236.8	209.2	180.7	154.0	131.4	112.1	103.8
22.5°	290.3	288.7	280.3	261.9	236.8	208.3	177.4	148.1	123.8	104.6	96.2
25°	292.0	291.2	281.1	261.0	234.3	204.2	172.4	142.2	116.3	97.1	88.7
26°	292.0	291.2	281.1	260.2	232.6	201.6	169.8	139.7	113.8	93.7	86.2
27.5°	291.2	290.3	279.5	257.7	229.3	197.5	164.8	134.7	108.8	89.5	81.2
30°	286.2	284.5	273.6	251.8	221.7	189.1	156.5	127.2	101.2	82.0	74.5
32.5°	275.3	273.6	261.9	241.8	213.4	179.9	147.3	118.8	93.7	74.5	67.8
35°	261.9	260.2	248.5	229.3	201.6	173.2	137.2	109.6	85.3	68.6	61.9
37.5°	245.2	242.6	232.6	212.5	187.4	165.7	128.9	100.4	77.8	61.9	56.1
40°	224.2	223.4	214.2	195.8	170.7	152.3	123.8	100.4	71.1	56.1	51.0
42.5°	204.2	202.5	194.1	178.2	155.6	133.0	108.8	96.2	66.1	50.2	46.0
45°	183.2	181.6	174.0	160.6	139.7	117.1	117.1	82.8	56.9	46.0	41.8
47.5°	160.6	159.0	153.1	143.1	124.7	104.6	85.3	67.8	51.9	41.0	37.7
50°	138.1	138.9	133.9	123.8	109.6	91.2	73.6	56.9	44.3	36.8	33.5
52.5°	115.5	114.6	111.3	104.6	94.5	78.6	62.8	48.5	38.5	32.6	31.0
55°	92.9	93.7	92.0	87.9	79.5	67.8	52.7	41.8	34.3	29.3	27.6
57.5°	77.0	77.8	74.5	72.0	65.3	55.2	43.5	35.1	29.3	25.9	24.3
60°	63.6	64.4	61.9	58.6	53.5	44.3	35.1	29.3	25.9	23.4	21.8
62.5°	51.9	51.0	49.4	46.0	41.8	35.1	28.4	24.3	21.8	20.1	19.2
65°	40.2	40.2	38.5	36.0	32.6	27.6	22.6	20.1	18.4	16.7	15.9
67.5°	30.1	30.1	28.4	26.8	23.4	20.1	17.6	15.9	15.1	13.4	12.6
70°	20.9	20.9	20.1	19.2	16.7	14.2	13.4	11.7	10.9	10.0	9.2
72.5°	13.4	13.4	13.4	11.7	10.9	9.2	9.2	8.4	7.5	6.7	6.7
75°	6.7	7.5	6.7	6.7	5.9	5.9	5.0	5.0	4.2	4.2	3.3
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	145.6	143.1	141.4	138.9	137.2	135.5	134.7	133.9	133.9	133.9
5°	141.4	137.2	133.0	128.9	126.3	123.8	121.3	120.5	119.6	119.6
7.5°	136.4	129.7	123.8	118.8	114.6	112.1	109.6	107.9	107.1	107.1
10°	129.7	121.3	114.6	107.9	103.8	100.4	98.7	96.2	96.2	95.4
12.5°	122.2	112.1	104.6	98.7	94.5	90.4	87.9	86.2	85.3	85.3
15°	113.8	103.8	95.4	88.7	84.5	80.3	77.8	76.1	75.3	75.3
17.5°	105.4	94.5	86.2	79.5	75.3	71.1	68.6	66.9	66.9	66.1
20°	97.1	86.2	77.8	71.1	66.9	63.6	61.1	59.4	58.6	59.4
22.5°	89.5	78.6	70.3	64.4	59.4	56.1	53.5	52.7	51.9	51.9
25°	81.2	71.1	63.6	57.7	53.5	50.2	47.7	46.9	46.0	45.2
26°	78.6	68.6	61.1	55.2	51.0	47.7	46.0	44.3	43.5	43.5
27.5°	75.3	64.4	57.7	51.9	47.7	45.2	42.7	41.8	41.0	41.0
30°	67.8	58.6	51.9	46.9	43.5	40.2	38.5	37.7	36.8	36.8
32.5°	61.9	52.7	46.9	42.7	39.3	36.8	35.1	33.5	33.5	33.5
35°	56.1	47.7	42.7	38.5	35.1	32.6	31.8	31.0	30.1	30.1
37.5°	51.0	43.5	38.5	35.1	32.6	30.1	28.4	27.6	27.6	27.6
40°	46.0	40.2	35.1	31.8	29.3	27.6	25.9	25.1	25.1	25.1
42.5°	41.8	36.0	32.6	29.3	26.8	25.1	24.3	23.4	22.6	22.6
45°	38.5	33.5	29.3	26.8	25.1	23.4	21.8	20.9	20.9	20.9
47.5°	34.3	31.0	26.8	24.3	22.6	20.9	20.1	19.2	19.2	19.2
50°	31.8	28.4	25.1	22.6	20.9	19.2	18.4	17.6	17.6	17.6
52.5°	28.4	25.9	23.4	20.9	19.2	17.6	16.7	15.9	15.9	15.9
55°	25.9	23.4	20.9	19.2	17.6	15.9	15.1	14.2	14.2	14.2
57.5°	23.4	20.9	19.2	17.6	15.9	15.1	13.4	13.4	12.6	12.6
60°	20.9	18.4	16.7	15.9	14.2	13.4	11.7	10.9	10.9	10.9
62.5°	17.6	16.7	15.1	13.4	11.7	10.9	10.0	9.2	9.2	9.2
65°	15.1	14.2	12.6	10.9	10.0	9.2	8.4	7.5	7.5	7.5
67.5°	12.6	10.9	10.0	9.2	8.4	7.5	6.7	5.9	5.0	5.9
70°	9.2	8.4	7.5	6.7	5.9	5.0	4.2	4.2	3.3	3.3
72.5°	5.9	5.0	5.0	4.2	3.3	3.3	2.5	2.5	1.7	1.7
75°	3.3	3.3	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8
77.5°	1.7	0.8	0.8	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)