

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: P3ART13R709830DE010 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: P3ART13R709830DE010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

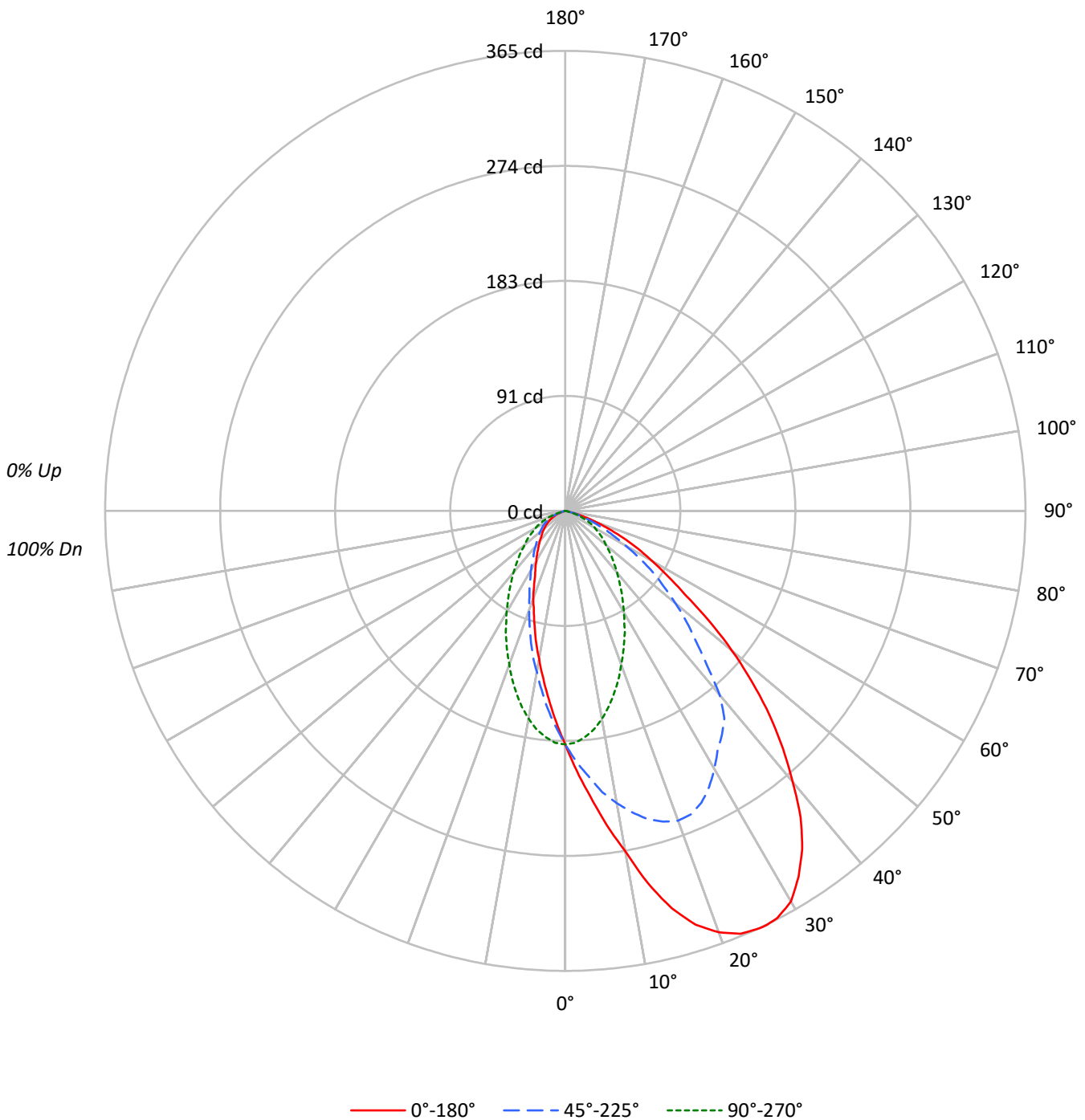
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.0 lumens
Efficiency: N/A
Efficacy: 25.4 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): 14.5
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40611	40611	40611	40611	40611
5°	49989	46533	39621	34779	32952
10°	61054	52437	37296	28902	26564
15°	74121	57503	33984	23996	21385
20°	83027	61045	30289	19532	17338
25°	88384	61794	26832	16211	13670
30°	90622	59883	23573	13774	11647
35°	87696	57982	20719	11778	10092
40°	80293	54531	18263	10477	8988
45°	71077	45431	16219	9737	8125
50°	58915	38924	14294	8938	7505
55°	44424	32419	13189	8411	6805
60°	34866	24340	11929	7806	5964
65°	26047	17901	10325	6538	4877
70°	16798	11412	7373	4680	2693
75°	7117	6185	3558	1779	847
80°	1263	1263	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 71077 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	4.8
10°-20°	50.6	13.7
20°-30°	74.0	20.0
30°-40°	80.6	21.8
40°-50°	69.7	18.9
50°-60°	46.7	12.7
60°-70°	24.1	6.5
70°-80°	5.7	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°	142.1	38.5
0°-40°	222.7	60.3
0°-60°	339.1	91.9
0°-90°	369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	227	211	180	158	150	23
15°	326	253	150	106	94	92
25°	365	255	111	67	56	168
35°	328	217	77	44	38	203
45°	229	146	52	31	26	175
55°	116	85	34	22	18	108
65°	50	34	20	13	9	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°	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2
2.5°	206.2	205.1	205.1	203.0	200.9	198.9	195.7	192.6	189.4	186.3	184.2
5°	227.1	228.2	227.1	222.9	217.7	211.4	205.1	197.8	190.5	184.2	180.0
7.5°	251.2	251.2	248.0	242.8	235.5	225.0	214.5	202.0	190.5	180.0	174.8
10°	274.2	274.2	269.0	260.6	249.1	235.5	220.8	204.1	188.4	173.7	167.5
12.5°	302.5	301.4	295.1	281.5	264.8	244.9	225.0	204.1	185.2	167.5	159.1
15°	326.5	325.5	317.1	300.4	278.4	253.3	226.1	202.0	179.0	159.1	149.7
17.5°	344.3	342.2	332.8	315.0	289.9	258.5	227.1	197.8	171.6	149.7	140.2
20°	355.8	354.8	344.3	323.4	296.2	261.6	226.1	192.6	164.3	140.2	129.8
22.5°	363.2	361.1	350.6	327.6	296.2	260.6	221.9	185.2	154.9	130.8	120.4
25°	365.3	364.2	351.7	326.5	293.0	255.4	215.6	177.9	145.5	121.4	110.9
26°	365.3	364.2	351.7	325.5	290.9	252.2	212.5	174.8	142.3	117.2	107.8
27.5°	364.2	363.2	349.6	322.3	286.8	247.0	206.2	168.5	136.1	112.0	101.5
30°	357.9	355.8	342.2	315.0	277.3	236.5	195.7	159.1	126.6	102.6	93.1
32.5°	344.3	342.2	327.6	302.5	266.9	225.0	184.2	148.6	117.2	93.1	84.8
35°	327.6	325.5	310.8	286.8	252.2	216.6	171.6	137.1	106.8	85.8	77.4
37.5°	306.6	303.5	290.9	265.8	234.4	207.2	161.2	125.6	97.3	77.4	70.1
40°	280.5	279.4	267.9	244.9	213.5	190.5	154.9	125.6	89.0	70.1	63.8
42.5°	255.4	253.3	242.8	222.9	194.7	166.4	136.1	120.4	82.7	62.8	57.6
45°	229.2	227.1	217.7	200.9	174.8	146.5	146.5	103.6	71.2	57.6	52.3
47.5°	200.9	198.9	191.5	179.0	155.9	130.8	106.8	84.8	64.9	51.3	47.1
50°	172.7	173.7	167.5	154.9	137.1	114.1	92.1	71.2	55.5	46.0	41.9
52.5°	144.4	143.4	139.2	130.8	118.3	98.4	78.5	60.7	48.1	40.8	38.7
55°	116.2	117.2	115.1	109.9	99.4	84.8	65.9	52.3	42.9	36.6	34.5
57.5°	96.3	97.3	93.1	90.0	81.6	69.1	54.4	44.0	36.6	32.4	30.4
60°	79.5	80.6	77.4	73.3	67.0	55.5	44.0	36.6	32.4	29.3	27.2
62.5°	64.9	63.8	61.7	57.6	52.3	44.0	35.6	30.4	27.2	25.1	24.1
65°	50.2	50.2	48.1	45.0	40.8	34.5	28.3	25.1	23.0	20.9	19.9
67.5°	37.7	37.7	35.6	33.5	29.3	25.1	22.0	19.9	18.8	16.7	15.7
70°	26.2	26.2	25.1	24.1	20.9	17.8	16.7	14.7	13.6	12.6	11.5
72.5°	16.7	16.7	16.7	14.7	13.6	11.5	11.5	10.5	9.4	8.4	8.4
75°	8.4	9.4	8.4	8.4	7.3	7.3	6.3	6.3	5.2	5.2	4.2
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	2.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	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°	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2
2.5°	182.1	179.0	176.9	173.7	171.6	169.5	168.5	167.5	167.5	167.5
5°	176.9	171.6	166.4	161.2	158.0	154.9	151.8	150.7	149.7	149.7
7.5°	170.6	162.2	154.9	148.6	143.4	140.2	137.1	135.0	134.0	134.0
10°	162.2	151.8	143.4	135.0	129.8	125.6	123.5	120.4	120.4	119.3
12.5°	152.8	140.2	130.8	123.5	118.3	113.0	109.9	107.8	106.8	106.8
15°	142.3	129.8	119.3	110.9	105.7	100.5	97.3	95.2	94.2	94.2
17.5°	131.9	118.3	107.8	99.4	94.2	89.0	85.8	83.7	83.7	82.7
20°	121.4	107.8	97.3	89.0	83.7	79.5	76.4	74.3	73.3	74.3
22.5°	112.0	98.4	87.9	80.6	74.3	70.1	67.0	65.9	64.9	64.9
25°	101.5	89.0	79.5	72.2	67.0	62.8	59.7	58.6	57.6	56.5
26°	98.4	85.8	76.4	69.1	63.8	59.7	57.6	55.5	54.4	54.4
27.5°	94.2	80.6	72.2	64.9	59.7	56.5	53.4	52.3	51.3	51.3
30°	84.8	73.3	64.9	58.6	54.4	50.2	48.1	47.1	46.0	46.0
32.5°	77.4	65.9	58.6	53.4	49.2	46.0	44.0	41.9	41.9	41.9
35°	70.1	59.7	53.4	48.1	44.0	40.8	39.8	38.7	37.7	37.7
37.5°	63.8	54.4	48.1	44.0	40.8	37.7	35.6	34.5	34.5	34.5
40°	57.6	50.2	44.0	39.8	36.6	34.5	32.4	31.4	31.4	31.4
42.5°	52.3	45.0	40.8	36.6	33.5	31.4	30.4	29.3	28.3	28.3
45°	48.1	41.9	36.6	33.5	31.4	29.3	27.2	26.2	26.2	26.2
47.5°	42.9	38.7	33.5	30.4	28.3	26.2	25.1	24.1	24.1	24.1
50°	39.8	35.6	31.4	28.3	26.2	24.1	23.0	22.0	22.0	22.0
52.5°	35.6	32.4	29.3	26.2	24.1	22.0	20.9	19.9	19.9	19.9
55°	32.4	29.3	26.2	24.1	22.0	19.9	18.8	17.8	17.8	17.8
57.5°	29.3	26.2	24.1	22.0	19.9	18.8	16.7	16.7	15.7	15.7
60°	26.2	23.0	20.9	19.9	17.8	16.7	14.7	13.6	13.6	13.6
62.5°	22.0	20.9	18.8	16.7	14.7	13.6	12.6	11.5	11.5	11.5
65°	18.8	17.8	15.7	13.6	12.6	11.5	10.5	9.4	9.4	9.4
67.5°	15.7	13.6	12.6	11.5	10.5	9.4	8.4	7.3	6.3	7.3
70°	11.5	10.5	9.4	8.4	7.3	6.3	5.2	5.2	4.2	4.2
72.5°	7.3	6.3	6.3	5.2	4.2	4.2	3.1	3.1	2.1	2.1
75°	4.2	4.2	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0
77.5°	2.1	1.0	1.0	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)