

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: P3ART05R709030D2WDE010 E3CLSWW1MW

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: P3ART05R709030D2WDE010 E3CLSWW1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

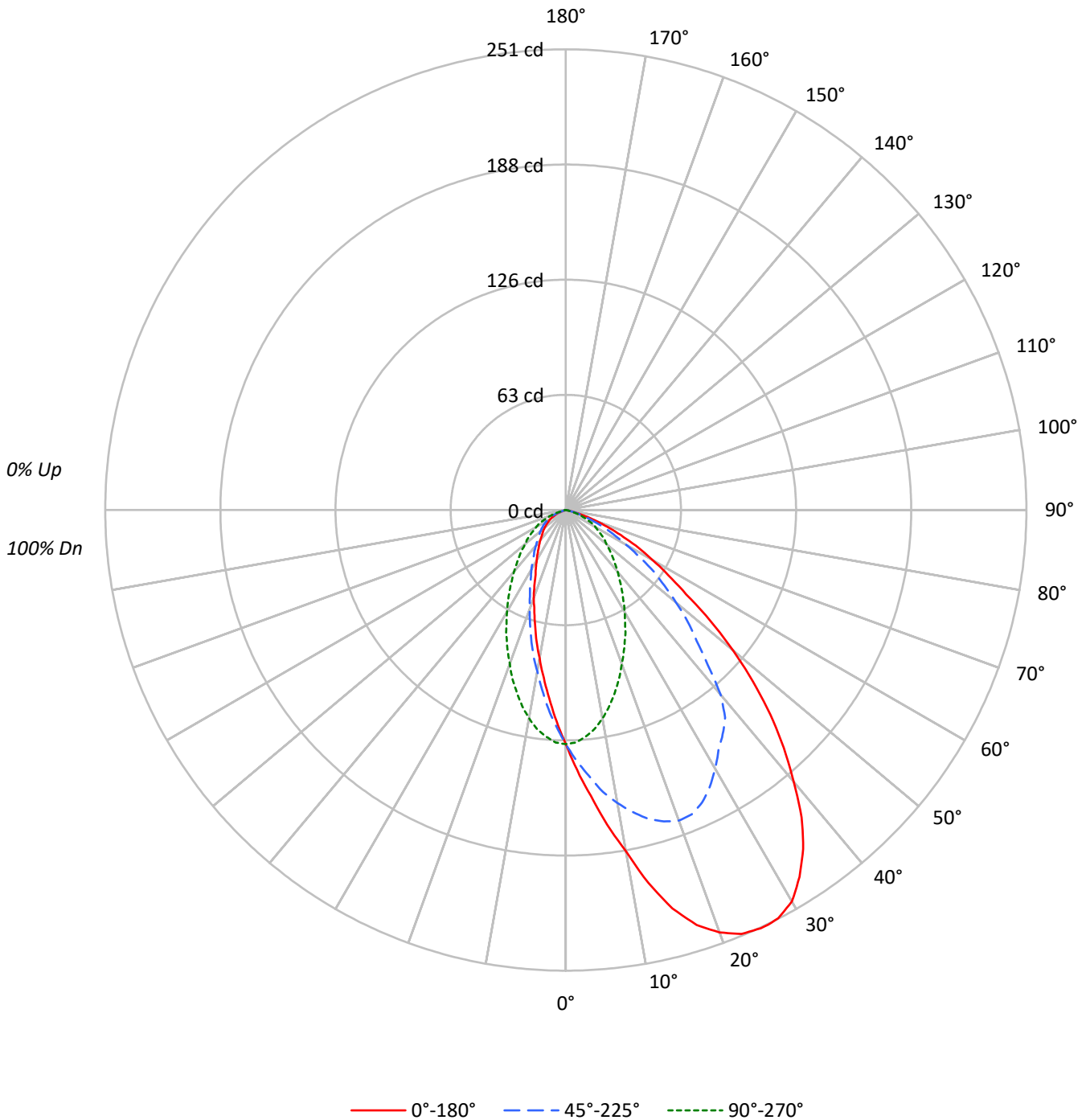
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 22.9 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27958	27958	27958	27958	27958
5°	34404	32027	27273	23949	22672
10°	42017	36094	25673	19884	18281
15°	51033	39569	23383	16527	14711
20°	57148	42027	20838	13441	11924
25°	60826	42535	18485	11154	9412
30°	62389	41222	16230	9495	8027
35°	60365	39913	14268	8111	6933
40°	55275	37527	12566	7214	6183
45°	48935	31290	11164	6698	5582
50°	40562	26780	9825	6141	5151
55°	30584	22327	9099	5773	4664
60°	24033	16753	8201	5350	4122
65°	17953	12349	7108	4462	3373
70°	11540	7822	5065	3206	1859
75°	4914	4236	2457	1186	593
80°	884	884	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 48935 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	4.8
10°-20°	34.8	13.7
20°-30°	50.9	20.0
30°-40°	55.5	21.8
40°-50°	48.0	18.9
50°-60°	32.1	12.7
60°-70°	16.6	6.5
70°-80°	3.9	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°	97.8	38.5
0°-40°	153.3	60.3
0°-60°	233.4	91.9
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	156	146	124	109	103	16
15°	225	174	103	73	65	64
25°	251	176	76	46	39	115
35°	226	149	53	30	26	140
45°	158	101	36	22	18	121
55°	80	58	24	15	12	74
65°	35	24	14	9	6	35
75°	6	5	3	1	1	8
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°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	141.9	141.2	141.2	139.8	138.3	136.9	134.7	132.6	130.4	128.2	126.8
5°	156.3	157.0	156.3	153.4	149.8	145.5	141.2	136.2	131.1	126.8	123.9
7.5°	172.9	172.9	170.7	167.1	162.1	154.9	147.7	139.0	131.1	123.9	120.3
10°	188.7	188.7	185.1	179.4	171.5	162.1	152.0	140.5	129.7	119.6	115.3
12.5°	208.2	207.5	203.2	193.8	182.3	168.6	154.9	140.5	127.5	115.3	109.5
15°	224.8	224.0	218.3	206.8	191.6	174.3	155.6	139.0	123.2	109.5	103.0
17.5°	237.0	235.6	229.1	216.8	199.6	177.9	156.3	136.2	118.1	103.0	96.5
20°	244.9	244.2	237.0	222.6	203.9	180.1	155.6	132.6	113.1	96.5	89.3
22.5°	250.0	248.5	241.3	225.5	203.9	179.4	152.7	127.5	106.6	90.1	82.8
25°	251.4	250.7	242.1	224.8	201.7	175.8	148.4	122.5	100.1	83.6	76.4
26°	251.4	250.7	242.1	224.0	200.3	173.6	146.2	120.3	98.0	80.7	74.2
27.5°	250.7	250.0	240.6	221.9	197.4	170.0	141.9	116.0	93.7	77.1	69.9
30°	246.4	244.9	235.6	216.8	190.9	162.8	134.7	109.5	87.2	70.6	64.1
32.5°	237.0	235.6	225.5	208.2	183.7	154.9	126.8	102.3	80.7	64.1	58.4
35°	225.5	224.0	214.0	197.4	173.6	149.1	118.1	94.4	73.5	59.1	53.3
37.5°	211.1	208.9	200.3	183.0	161.4	142.6	110.9	86.4	67.0	53.3	48.3
40°	193.1	192.3	184.4	168.6	147.0	131.1	106.6	86.4	61.2	48.3	43.9
42.5°	175.8	174.3	167.1	153.4	134.0	114.5	93.7	82.8	56.9	43.2	39.6
45°	157.8	156.3	149.8	138.3	120.3	100.9	100.9	71.3	49.0	39.6	36.0
47.5°	138.3	136.9	131.8	123.2	107.3	90.1	73.5	58.4	44.7	35.3	32.4
50°	118.9	119.6	115.3	106.6	94.4	78.5	63.4	49.0	38.2	31.7	28.8
52.5°	99.4	98.7	95.8	90.1	81.4	67.7	54.0	41.8	33.1	28.1	26.7
55°	80.0	80.7	79.2	75.6	68.4	58.4	45.4	36.0	29.5	25.2	23.8
57.5°	66.3	67.0	64.1	62.0	56.2	47.5	37.5	30.3	25.2	22.3	20.9
60°	54.8	55.5	53.3	50.4	46.1	38.2	30.3	25.2	22.3	20.2	18.7
62.5°	44.7	43.9	42.5	39.6	36.0	30.3	24.5	20.9	18.7	17.3	16.6
65°	34.6	34.6	33.1	31.0	28.1	23.8	19.5	17.3	15.8	14.4	13.7
67.5°	25.9	25.9	24.5	23.1	20.2	17.3	15.1	13.7	13.0	11.5	10.8
70°	18.0	18.0	17.3	16.6	14.4	12.2	11.5	10.1	9.4	8.6	7.9
72.5°	11.5	11.5	11.5	10.1	9.4	7.9	7.9	7.2	6.5	5.8	5.8
75°	5.8	6.5	5.8	5.8	5.0	5.0	4.3	4.3	3.6	3.6	2.9
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	125.4	123.2	121.7	119.6	118.1	116.7	116.0	115.3	115.3	115.3
5°	121.7	118.1	114.5	110.9	108.8	106.6	104.5	103.7	103.0	103.0
7.5°	117.4	111.7	106.6	102.3	98.7	96.5	94.4	92.9	92.2	92.2
10°	111.7	104.5	98.7	92.9	89.3	86.4	85.0	82.8	82.8	82.1
12.5°	105.2	96.5	90.1	85.0	81.4	77.8	75.6	74.2	73.5	73.5
15°	98.0	89.3	82.1	76.4	72.8	69.2	67.0	65.6	64.8	64.8
17.5°	90.8	81.4	74.2	68.4	64.8	61.2	59.1	57.6	57.6	56.9
20°	83.6	74.2	67.0	61.2	57.6	54.8	52.6	51.1	50.4	51.1
22.5°	77.1	67.7	60.5	55.5	51.1	48.3	46.1	45.4	44.7	44.7
25°	69.9	61.2	54.8	49.7	46.1	43.2	41.1	40.3	39.6	38.9
26°	67.7	59.1	52.6	47.5	43.9	41.1	39.6	38.2	37.5	37.5
27.5°	64.8	55.5	49.7	44.7	41.1	38.9	36.7	36.0	35.3	35.3
30°	58.4	50.4	44.7	40.3	37.5	34.6	33.1	32.4	31.7	31.7
32.5°	53.3	45.4	40.3	36.7	33.9	31.7	30.3	28.8	28.8	28.8
35°	48.3	41.1	36.7	33.1	30.3	28.1	27.4	26.7	25.9	25.9
37.5°	43.9	37.5	33.1	30.3	28.1	25.9	24.5	23.8	23.8	23.8
40°	39.6	34.6	30.3	27.4	25.2	23.8	22.3	21.6	21.6	21.6
42.5°	36.0	31.0	28.1	25.2	23.1	21.6	20.9	20.2	19.5	19.5
45°	33.1	28.8	25.2	23.1	21.6	20.2	18.7	18.0	18.0	18.0
47.5°	29.5	26.7	23.1	20.9	19.5	18.0	17.3	16.6	16.6	16.6
50°	27.4	24.5	21.6	19.5	18.0	16.6	15.8	15.1	15.1	15.1
52.5°	24.5	22.3	20.2	18.0	16.6	15.1	14.4	13.7	13.7	13.7
55°	22.3	20.2	18.0	16.6	15.1	13.7	13.0	12.2	12.2	12.2
57.5°	20.2	18.0	16.6	15.1	13.7	13.0	11.5	11.5	10.8	10.8
60°	18.0	15.8	14.4	13.7	12.2	11.5	10.1	9.4	9.4	9.4
62.5°	15.1	14.4	13.0	11.5	10.1	9.4	8.6	7.9	7.9	7.9
65°	13.0	12.2	10.8	9.4	8.6	7.9	7.2	6.5	6.5	6.5
67.5°	10.8	9.4	8.6	7.9	7.2	6.5	5.8	5.0	4.3	5.0
70°	7.9	7.2	6.5	5.8	5.0	4.3	3.6	3.6	2.9	2.9
72.5°	5.0	4.3	4.3	3.6	2.9	2.9	2.2	2.2	1.4	1.4
75°	2.9	2.9	2.2	2.2	1.4	1.4	0.7	0.7	0.7	0.7
77.5°	1.4	0.7	0.7	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)