

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: P3ART09R709827DE010 E3LCWW1GPH

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R709827DE010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

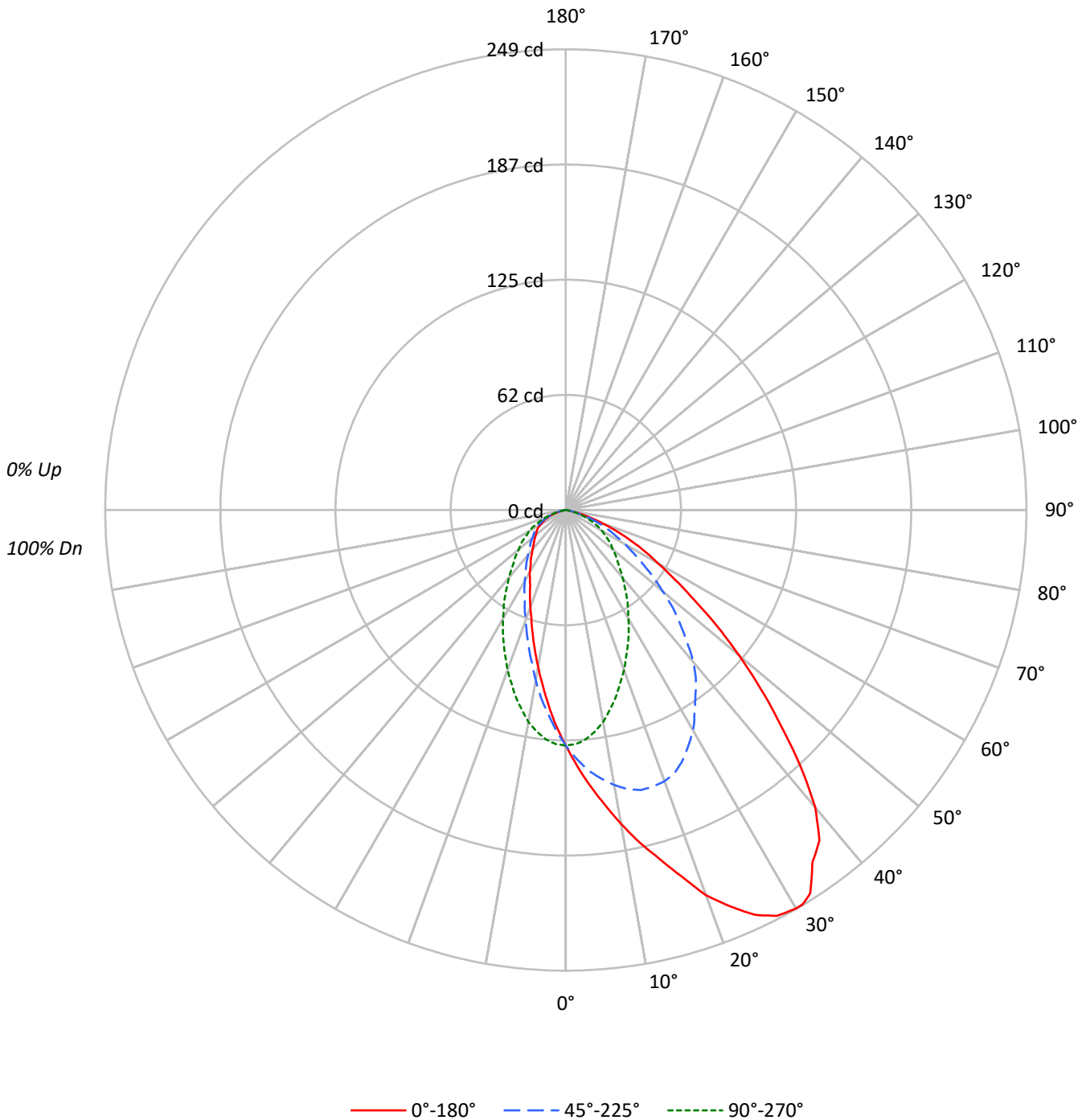
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 259.0 lumens
Efficiency: N/A
Efficacy: 23.5 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
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
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76				76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66				66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51				51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46				46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41				41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34				34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27914	27914	27914	27914	27914
5°	32886	31103	27383	24301	23333
10°	38343	33600	25896	20819	19171
15°	44268	35573	23723	17548	15710
20°	51688	36403	21469	14771	13044
25°	58407	36147	19235	12630	11033
30°	62972	34841	17142	11192	9875
35°	62238	32712	15366	10038	8861
40°	60027	30743	13683	9046	8015
45°	50889	27166	12311	8435	7536
50°	41687	23334	11292	8017	7266
55°	32343	19421	10705	7875	7302
60°	25173	16139	9999	7763	6798
65°	19872	13387	8769	7264	6486
70°	13656	9938	7052	6155	5642
75°	6863	5592	4999	4406	3728
80°	884	1894	2778	1894	884
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	4.6
10°-20°	33.2	12.8
20°-30°	48.9	18.9
30°-40°	54.8	21.2
40°-50°	48.2	18.6
50°-60°	34.5	13.3
60°-70°	20.4	7.9
70°-80°	6.9	2.6
80°-90°	0.3	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°	94.0	36.3
0°-40°	148.8	57.4
0°-60°	231.4	89.3
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	127	127	127	127	127	
5°	149	141	124	110	106	15
15°	195	157	104	77	69	56
25°	241	149	80	52	46	111
35°	232	122	57	38	33	146
45°	164	88	40	27	24	127
55°	85	51	28	21	19	77
65°	38	26	17	14	12	38
75°	8	7	6	5	4	10
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°	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3
2.5°	138.3	138.3	138.3	136.9	136.9	134.7	133.2	131.0	129.5	127.3	126.6
5°	149.4	149.4	147.9	146.4	144.2	141.3	137.6	133.9	129.5	125.8	124.4
7.5°	160.4	161.2	159.0	156.0	151.6	146.4	141.3	135.4	128.8	123.6	120.7
10°	172.2	172.2	169.3	164.8	158.2	150.9	142.8	134.7	126.6	119.2	116.3
12.5°	184.0	183.2	179.6	172.9	164.8	154.5	143.5	133.2	123.6	114.8	110.4
15°	195.0	195.0	189.9	181.8	170.0	156.7	143.5	130.3	119.2	108.9	104.5
17.5°	207.5	207.5	200.9	188.4	173.7	156.7	141.3	126.6	114.1	103.0	97.9
20°	221.5	220.8	211.2	194.3	175.1	156.0	138.3	122.2	108.2	96.4	92.0
22.5°	231.8	231.1	220.0	199.4	175.9	153.8	133.2	116.3	102.3	90.5	85.4
25°	241.4	239.9	227.4	201.6	174.4	149.4	128.0	109.6	96.4	84.6	79.5
27.5°	247.3	246.5	232.5	200.9	170.7	143.5	121.4	103.8	89.8	78.0	73.6
30°	248.7	249.5	232.5	197.2	164.8	137.6	114.8	97.1	83.2	72.9	67.7
31°	248.7	249.5	231.1	195.0	162.6	134.7	111.9	94.9	80.2	69.9	65.5
32.5°	245.8	244.3	228.9	191.3	157.5	129.5	108.2	91.3	76.5	66.2	62.6
35°	232.5	233.3	221.5	183.2	150.1	122.2	100.8	83.9	69.9	61.1	57.4
37.5°	225.2	225.2	203.8	172.2	142.0	115.5	92.0	75.8	64.0	55.9	52.2
40°	209.7	207.5	187.7	160.4	132.5	107.4	86.8	70.6	58.9	50.8	47.8
42.5°	187.7	185.4	170.0	150.1	120.0	97.1	82.4	62.6	53.0	46.4	43.4
45°	164.1	162.6	150.9	132.5	108.2	87.6	71.4	57.4	48.6	41.9	39.7
47.5°	142.8	140.6	131.7	117.7	97.9	78.7	61.8	51.5	43.4	38.3	36.8
50°	122.2	121.4	114.1	103.0	86.8	68.4	54.5	45.6	39.7	35.3	33.1
52.5°	103.0	101.6	97.9	89.0	75.8	59.6	47.8	40.5	35.3	32.4	30.9
55°	84.6	84.6	80.9	75.1	64.8	50.8	41.9	36.1	31.6	29.4	28.0
57.5°	69.9	69.9	67.0	63.3	53.7	43.4	36.8	31.6	28.7	26.5	25.0
60°	57.4	57.4	55.2	51.5	44.9	36.8	31.6	28.0	25.8	23.5	22.8
62.5°	47.8	47.1	45.6	41.9	36.8	30.9	27.2	24.3	22.1	20.6	19.9
65°	38.3	37.5	36.1	33.1	29.4	25.8	22.8	20.6	19.1	17.7	16.9
67.5°	29.4	29.4	28.0	25.8	22.8	20.6	18.4	16.9	15.5	14.7	14.0
70°	21.3	21.3	20.6	19.1	16.9	15.5	14.0	13.2	12.5	11.8	11.0
72.5°	14.7	14.7	14.0	13.2	11.8	11.0	9.6	9.6	8.8	8.8	8.1
75°	8.1	8.1	8.1	7.4	7.4	6.6	6.6	6.6	5.9	5.9	5.9
77.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
80°	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3	127.3
2.5°	125.8	123.6	122.2	121.4	119.2	118.5	117.7	117.0	117.0	117.0
5°	122.9	119.2	115.5	113.3	110.4	108.9	107.4	106.7	106.0	106.0
7.5°	117.7	113.3	108.9	105.2	102.3	99.3	97.9	96.4	96.4	95.7
10°	112.6	106.7	101.6	96.4	93.5	89.8	88.3	86.8	86.1	86.1
12.5°	106.7	99.3	93.5	89.0	84.6	81.7	79.5	78.0	77.3	77.3
15°	100.1	92.7	86.1	81.7	77.3	73.6	71.4	69.9	69.2	69.2
17.5°	93.5	86.1	78.7	74.3	69.9	66.2	64.8	63.3	62.6	61.8
20°	87.6	78.7	72.9	67.0	63.3	60.3	58.1	56.7	55.9	55.9
22.5°	80.9	72.9	66.2	61.8	58.1	55.2	52.2	51.5	50.8	50.8
25°	74.3	67.0	61.1	56.7	52.2	50.0	47.8	46.4	46.4	45.6
27.5°	69.2	61.8	55.9	51.5	48.6	45.6	44.2	42.7	41.9	41.9
30°	63.3	56.7	51.5	47.8	44.2	41.9	40.5	39.0	39.0	39.0
31°	61.8	55.2	50.0	45.6	42.7	40.5	39.0	38.3	37.5	37.5
32.5°	58.1	52.2	47.1	43.4	40.5	38.3	36.8	36.1	36.1	35.3
35°	53.7	47.8	43.4	39.7	37.5	35.3	33.9	33.1	33.1	33.1
37.5°	49.3	44.2	39.7	36.8	34.6	32.4	31.6	30.2	30.2	30.2
40°	44.9	40.5	36.8	33.9	31.6	30.2	29.4	28.7	28.0	28.0
42.5°	41.2	36.8	33.9	31.6	29.4	28.0	27.2	26.5	26.5	25.8
45°	37.5	33.9	31.6	29.4	27.2	26.5	25.8	25.0	24.3	24.3
47.5°	34.6	31.6	28.7	27.2	25.8	24.3	23.5	23.5	22.8	22.8
50°	31.6	28.7	26.5	25.0	23.5	22.8	22.1	22.1	21.3	21.3
52.5°	29.4	26.5	25.0	23.5	22.1	21.3	20.6	20.6	19.9	19.9
55°	26.5	24.3	22.8	22.1	20.6	19.9	19.1	18.4	18.4	19.1
57.5°	24.3	22.8	21.3	20.6	19.1	18.4	17.7	17.7	16.9	17.7
60°	22.1	20.6	19.1	18.4	17.7	16.9	16.2	15.5	15.5	15.5
62.5°	19.9	18.4	17.7	16.2	15.5	15.5	14.7	14.7	14.7	14.0
65°	16.9	16.2	15.5	14.7	14.0	13.2	13.2	12.5	12.5	12.5
67.5°	14.0	13.2	12.5	12.5	11.8	11.0	11.0	11.0	11.0	10.3
70°	11.0	10.3	10.3	9.6	9.6	9.6	8.8	8.8	8.8	8.8
72.5°	8.1	8.1	7.4	7.4	7.4	7.4	6.6	6.6	6.6	6.6
75°	5.9	5.9	5.9	5.2	5.2	5.2	4.4	4.4	4.4	4.4
77.5°	3.7	3.7	3.7	3.7	3.7	2.9	2.9	2.9	2.9	2.9
80°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)