

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: P1445982

Luminaire Tested: P3ART02R709035DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445982
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: P3ART02R709035DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

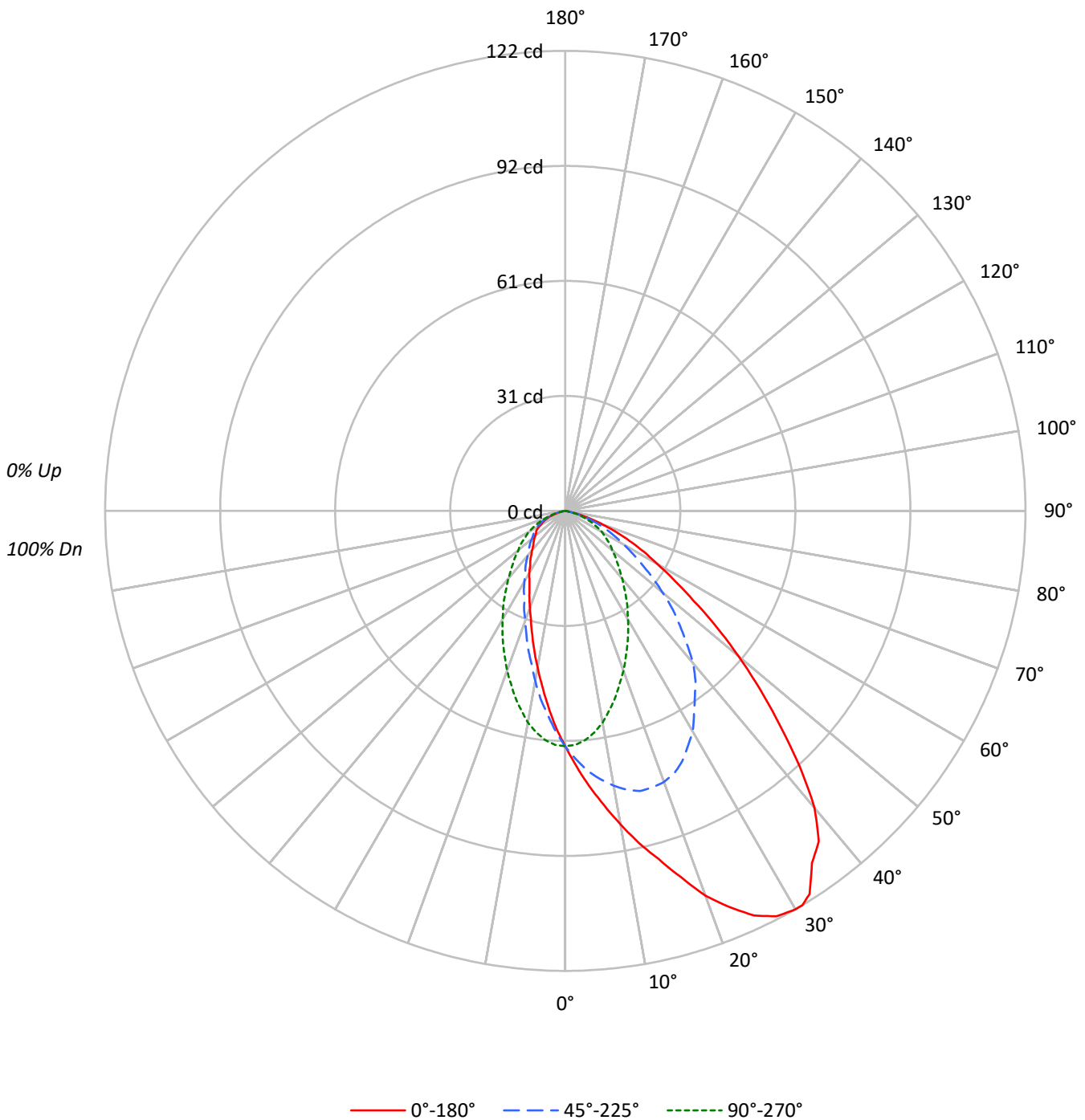
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 127.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.88 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13683	13683	13683	13683	13683
5°	16135	15254	13427	11908	11446
10°	18793	16477	12692	10198	9396
15°	21703	17458	11623	8604	7696
20°	25342	17852	10524	7234	6394
25°	28647	17735	9436	6194	5420
30°	30891	17091	8406	5495	4836
35°	30517	16035	7522	4926	4337
40°	29427	15085	6727	4437	3922
45°	24964	13304	6047	4155	3690
50°	20434	11462	5526	3923	3582
55°	15866	9519	5238	3861	3594
60°	12324	7894	4912	3815	3333
65°	9755	6538	4307	3580	3165
70°	6732	4873	3462	3013	2757
75°	3389	2711	2457	2118	1864
80°	505	884	1389	884	505
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	4.6
10°-20°	16.3	12.8
20°-30°	24.0	18.9
30°-40°	26.9	21.2
40°-50°	23.6	18.6
50°-60°	16.9	13.3
60°-70°	10.0	7.9
70°-80°	3.4	2.6
80°-90°	0.2	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°	46.1	36.3
0°-40°	72.9	57.4
0°-60°	113.5	89.3
0°-90°	127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	127.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	73	69	61	54	52	7
15°	96	77	51	38	34	28
25°	118	73	39	26	22	54
35°	114	60	28	18	16	72
45°	80	43	20	13	12	62
55°	42	25	14	10	9	38
65°	19	13	8	7	6	19
75°	4	3	3	2	2	5
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°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	67.8	67.8	67.8	67.1	67.1	66.0	65.3	64.2	63.5	62.4	62.1
5°	73.3	73.3	72.5	71.8	70.7	69.3	67.5	65.7	63.5	61.7	61.0
7.5°	78.7	79.0	77.9	76.5	74.3	71.8	69.3	66.4	63.1	60.6	59.2
10°	84.4	84.4	83.0	80.8	77.6	74.0	70.0	66.0	62.1	58.5	57.0
12.5°	90.2	89.8	88.0	84.8	80.8	75.8	70.4	65.3	60.6	56.3	54.1
15°	95.6	95.6	93.1	89.1	83.4	76.9	70.4	63.9	58.5	53.4	51.2
17.5°	101.8	101.8	98.5	92.4	85.2	76.9	69.3	62.1	55.9	50.5	48.0
20°	108.6	108.3	103.6	95.3	85.9	76.5	67.8	59.9	53.0	47.3	45.1
22.5°	113.7	113.3	107.9	97.8	86.2	75.4	65.3	57.0	50.2	44.4	41.9
25°	118.4	117.6	111.5	98.9	85.5	73.3	62.8	53.8	47.3	41.5	39.0
27.5°	121.2	120.9	114.0	98.5	83.7	70.4	59.5	50.9	44.0	38.2	36.1
30°	122.0	122.3	114.0	96.7	80.8	67.5	56.3	47.6	40.8	35.7	33.2
31°	122.0	122.3	113.3	95.6	79.7	66.0	54.8	46.5	39.3	34.3	32.1
32.5°	120.5	119.8	112.2	93.8	77.2	63.5	53.0	44.7	37.5	32.5	30.7
35°	114.0	114.4	108.6	89.8	73.6	59.9	49.4	41.1	34.3	29.9	28.1
37.5°	110.4	110.4	100.0	84.4	69.6	56.7	45.1	37.2	31.4	27.4	25.6
40°	102.8	101.8	92.0	78.7	65.0	52.7	42.6	34.6	28.9	24.9	23.5
42.5°	92.0	90.9	83.4	73.6	58.8	47.6	40.4	30.7	26.0	22.7	21.3
45°	80.5	79.7	74.0	65.0	53.0	42.9	35.0	28.1	23.8	20.6	19.5
47.5°	70.0	68.9	64.6	57.7	48.0	38.6	30.3	25.3	21.3	18.8	18.0
50°	59.9	59.5	55.9	50.5	42.6	33.6	26.7	22.4	19.5	17.3	16.2
52.5°	50.5	49.8	48.0	43.7	37.2	29.2	23.5	19.8	17.3	15.9	15.2
55°	41.5	41.5	39.7	36.8	31.8	24.9	20.6	17.7	15.5	14.4	13.7
57.5°	34.3	34.3	32.8	31.0	26.3	21.3	18.0	15.5	14.1	13.0	12.3
60°	28.1	28.1	27.1	25.3	22.0	18.0	15.5	13.7	12.6	11.5	11.2
62.5°	23.5	23.1	22.4	20.6	18.0	15.2	13.4	11.9	10.8	10.1	9.7
65°	18.8	18.4	17.7	16.2	14.4	12.6	11.2	10.1	9.4	8.7	8.3
67.5°	14.4	14.4	13.7	12.6	11.2	10.1	9.0	8.3	7.6	7.2	6.9
70°	10.5	10.5	10.1	9.4	8.3	7.6	6.9	6.5	6.1	5.8	5.4
72.5°	7.2	7.2	6.9	6.5	5.8	5.4	4.7	4.7	4.3	4.3	4.0
75°	4.0	4.0	4.0	3.6	3.6	3.2	3.2	3.2	2.9	2.9	2.9
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	61.7	60.6	59.9	59.5	58.5	58.1	57.7	57.4	57.4	57.4
5°	60.3	58.5	56.7	55.6	54.1	53.4	52.7	52.3	52.0	52.0
7.5°	57.7	55.6	53.4	51.6	50.2	48.7	48.0	47.3	47.3	46.9
10°	55.2	52.3	49.8	47.3	45.8	44.0	43.3	42.6	42.2	42.2
12.5°	52.3	48.7	45.8	43.7	41.5	40.1	39.0	38.2	37.9	37.9
15°	49.1	45.5	42.2	40.1	37.9	36.1	35.0	34.3	33.9	33.9
17.5°	45.8	42.2	38.6	36.4	34.3	32.5	31.8	31.0	30.7	30.3
20°	42.9	38.6	35.7	32.8	31.0	29.6	28.5	27.8	27.4	27.4
22.5°	39.7	35.7	32.5	30.3	28.5	27.1	25.6	25.3	24.9	24.9
25°	36.4	32.8	29.9	27.8	25.6	24.5	23.5	22.7	22.7	22.4
27.5°	33.9	30.3	27.4	25.3	23.8	22.4	21.7	20.9	20.6	20.6
30°	31.0	27.8	25.3	23.5	21.7	20.6	19.8	19.1	19.1	19.1
31°	30.3	27.1	24.5	22.4	20.9	19.8	19.1	18.8	18.4	18.4
32.5°	28.5	25.6	23.1	21.3	19.8	18.8	18.0	17.7	17.7	17.3
35°	26.3	23.5	21.3	19.5	18.4	17.3	16.6	16.2	16.2	16.2
37.5°	24.2	21.7	19.5	18.0	17.0	15.9	15.5	14.8	14.8	14.8
40°	22.0	19.8	18.0	16.6	15.5	14.8	14.4	14.1	13.7	13.7
42.5°	20.2	18.0	16.6	15.5	14.4	13.7	13.4	13.0	13.0	12.6
45°	18.4	16.6	15.5	14.4	13.4	13.0	12.6	12.3	11.9	11.9
47.5°	17.0	15.5	14.1	13.4	12.6	11.9	11.5	11.5	11.2	11.2
50°	15.5	14.1	13.0	12.3	11.5	11.2	10.8	10.8	10.5	10.5
52.5°	14.4	13.0	12.3	11.5	10.8	10.5	10.1	10.1	9.7	9.7
55°	13.0	11.9	11.2	10.8	10.1	9.7	9.4	9.0	9.0	9.4
57.5°	11.9	11.2	10.5	10.1	9.4	9.0	8.7	8.7	8.3	8.7
60°	10.8	10.1	9.4	9.0	8.7	8.3	7.9	7.6	7.6	7.6
62.5°	9.7	9.0	8.7	7.9	7.6	7.6	7.2	7.2	7.2	6.9
65°	8.3	7.9	7.6	7.2	6.9	6.5	6.5	6.1	6.1	6.1
67.5°	6.9	6.5	6.1	6.1	5.8	5.4	5.4	5.4	5.4	5.1
70°	5.4	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3
72.5°	4.0	4.0	3.6	3.6	3.6	3.6	3.2	3.2	3.2	3.2
75°	2.9	2.9	2.9	2.5	2.5	2.5	2.2	2.2	2.2	2.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4
80°	1.1	1.1	1.1	1.1	0.7	0.7	0.7	0.7	0.7	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)