

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: P1445850

Luminaire Tested: P3ART02R709030DE010 E3LCWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445850
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: P3ART02R709030DE010 E3LCWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LCWW1B TRIM
Light Source: -
Ballast/Driver: -

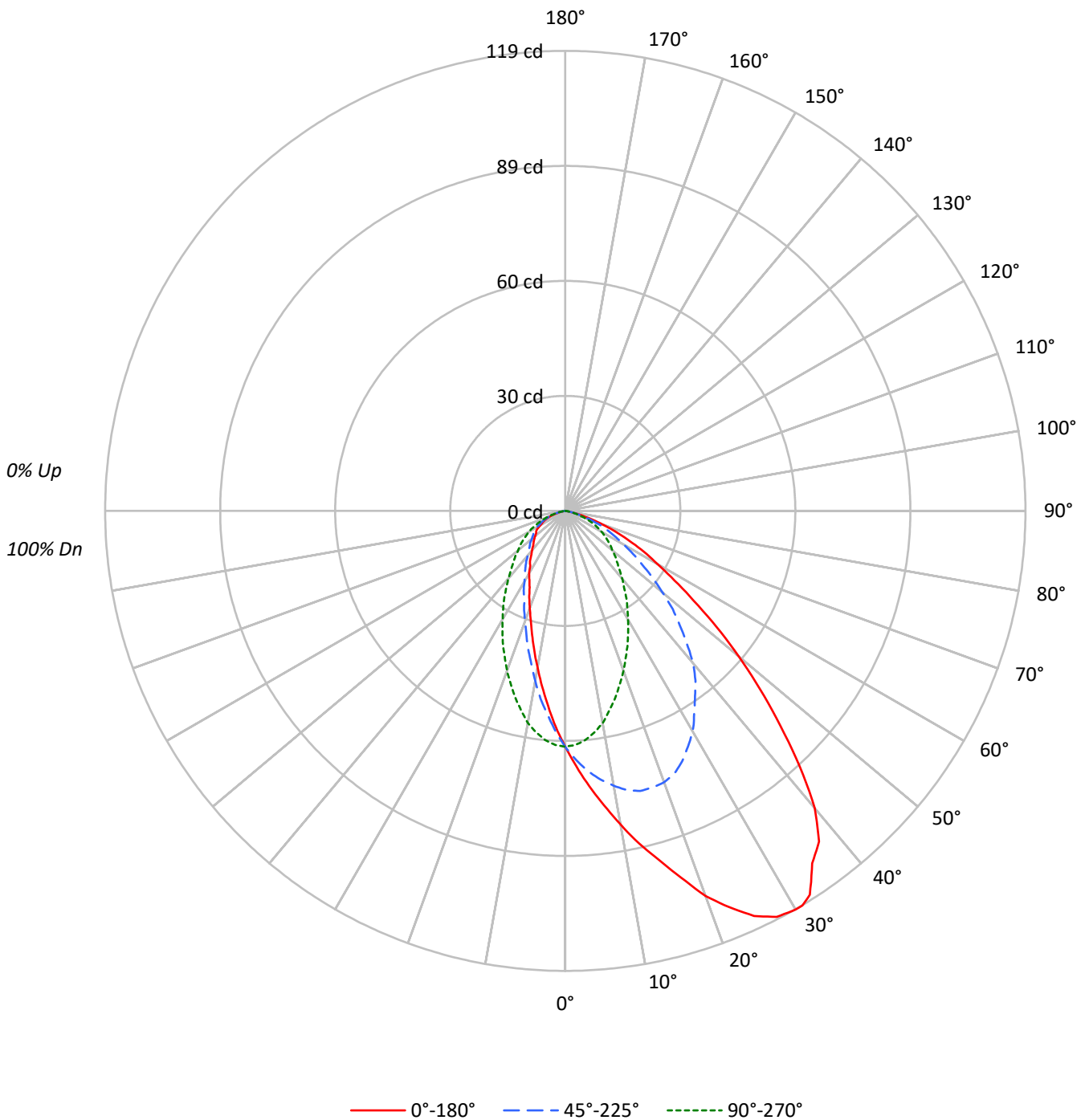
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 124.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 1.53 / 0.87 / 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		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46		
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41		
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33		
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13376	13376	13376	13376	13376
5°	15738	14880	13097	11622	11160
10°	18347	16076	12402	9953	9174
15°	21203	17026	11351	8400	7514
20°	24735	17432	10268	7071	6254
25°	27969	17299	9218	6049	5274
30°	30157	16686	8204	5343	4735
35°	29794	15660	7362	4818	4256
40°	28740	14713	6555	4322	3836
45°	24375	12994	5892	4031	3597
50°	19957	11189	5424	3855	3480
55°	15483	9290	5123	3785	3517
60°	12060	7719	4780	3728	3245
65°	9495	6382	4203	3476	3113
70°	6540	4744	3398	2949	2693
75°	3304	2711	2372	2118	1779
80°	505	884	1389	884	505
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24375 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	4.6
10°-20°	15.9	12.8
20°-30°	23.4	18.9
30°-40°	26.2	21.2
40°-50°	23.1	18.6
50°-60°	16.5	13.3
60°-70°	9.8	7.9
70°-80°	3.3	2.7
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°	45.0	36.3
0°-40°	71.2	57.4
0°-60°	110.8	89.3
0°-90°	124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	124.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	72	68	60	53	51	7
15°	93	75	50	37	33	27
25°	116	72	38	25	22	53
35°	111	58	28	18	16	70
45°	79	42	19	13	12	61
55°	40	24	13	10	9	37
65°	18	12	8	7	6	18
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°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	66.2	66.2	66.2	65.5	65.5	64.5	63.8	62.7	62.0	61.0	60.6
5°	71.5	71.5	70.8	70.1	69.1	67.6	65.9	64.1	62.0	60.2	59.5
7.5°	76.8	77.2	76.1	74.7	72.6	70.1	67.6	64.8	61.7	59.2	57.8
10°	82.4	82.4	81.0	78.9	75.7	72.2	68.3	64.5	60.6	57.1	55.7
12.5°	88.1	87.7	86.0	82.8	78.9	74.0	68.7	63.8	59.2	55.0	52.8
15°	93.4	93.4	90.9	87.0	81.4	75.0	68.7	62.4	57.1	52.1	50.0
17.5°	99.4	99.4	96.2	90.2	83.1	75.0	67.6	60.6	54.6	49.3	46.9
20°	106.0	105.7	101.1	93.0	83.9	74.7	66.2	58.5	51.8	46.2	44.0
22.5°	111.0	110.6	105.3	95.5	84.2	73.6	63.8	55.7	49.0	43.3	40.9
25°	115.6	114.9	108.9	96.5	83.5	71.5	61.3	52.5	46.2	40.5	38.1
27.5°	118.4	118.0	111.3	96.2	81.7	68.7	58.1	49.7	43.0	37.3	35.2
30°	119.1	119.4	111.3	94.4	78.9	65.9	55.0	46.5	39.8	34.9	32.4
31°	119.1	119.4	110.6	93.4	77.9	64.5	53.6	45.4	38.4	33.5	31.4
32.5°	117.7	117.0	109.6	91.6	75.4	62.0	51.8	43.7	36.6	31.7	29.9
35°	111.3	111.7	106.0	87.7	71.9	58.5	48.3	40.2	33.5	29.2	27.5
37.5°	107.8	107.8	97.6	82.4	68.0	55.3	44.0	36.3	30.7	26.8	25.0
40°	100.4	99.4	89.8	76.8	63.4	51.4	41.6	33.8	28.2	24.3	22.9
42.5°	89.8	88.8	81.4	71.9	57.4	46.5	39.5	29.9	25.4	22.2	20.8
45°	78.6	77.9	72.2	63.4	51.8	41.9	34.2	27.5	23.3	20.1	19.0
47.5°	68.3	67.3	63.1	56.4	46.9	37.7	29.6	24.7	20.8	18.3	17.6
50°	58.5	58.1	54.6	49.3	41.6	32.8	26.1	21.8	19.0	16.9	15.9
52.5°	49.3	48.6	46.9	42.6	36.3	28.5	22.9	19.4	16.9	15.5	14.8
55°	40.5	40.5	38.8	35.9	31.0	24.3	20.1	17.3	15.1	14.1	13.4
57.5°	33.5	33.5	32.1	30.3	25.7	20.8	17.6	15.1	13.7	12.7	12.0
60°	27.5	27.5	26.4	24.7	21.5	17.6	15.1	13.4	12.3	11.3	10.9
62.5°	22.9	22.5	21.8	20.1	17.6	14.8	13.0	11.6	10.6	9.9	9.5
65°	18.3	18.0	17.3	15.9	14.1	12.3	10.9	9.9	9.2	8.5	8.1
67.5°	14.1	14.1	13.4	12.3	10.9	9.9	8.8	8.1	7.4	7.0	6.7
70°	10.2	10.2	9.9	9.2	8.1	7.4	6.7	6.3	6.0	5.6	5.3
72.5°	7.0	7.0	6.7	6.3	5.6	5.3	4.6	4.6	4.2	4.2	3.9
75°	3.9	3.9	3.9	3.5	3.5	3.2	3.2	3.2	2.8	2.8	2.8
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°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	60.2	59.2	58.5	58.1	57.1	56.7	56.4	56.0	56.0	56.0
5°	58.8	57.1	55.3	54.3	52.8	52.1	51.4	51.1	50.7	50.7
7.5°	56.4	54.3	52.1	50.4	49.0	47.6	46.9	46.2	46.2	45.8
10°	53.9	51.1	48.6	46.2	44.7	43.0	42.3	41.6	41.2	41.2
12.5°	51.1	47.6	44.7	42.6	40.5	39.1	38.1	37.3	37.0	37.0
15°	47.9	44.4	41.2	39.1	37.0	35.2	34.2	33.5	33.1	33.1
17.5°	44.7	41.2	37.7	35.6	33.5	31.7	31.0	30.3	29.9	29.6
20°	41.9	37.7	34.9	32.1	30.3	28.9	27.8	27.1	26.8	26.8
22.5°	38.8	34.9	31.7	29.6	27.8	26.4	25.0	24.7	24.3	24.3
25°	35.6	32.1	29.2	27.1	25.0	24.0	22.9	22.2	22.2	21.8
27.5°	33.1	29.6	26.8	24.7	23.3	21.8	21.1	20.4	20.1	20.1
30°	30.3	27.1	24.7	22.9	21.1	20.1	19.4	18.7	18.7	18.7
31°	29.6	26.4	24.0	21.8	20.4	19.4	18.7	18.3	18.0	18.0
32.5°	27.8	25.0	22.5	20.8	19.4	18.3	17.6	17.3	17.3	16.9
35°	25.7	22.9	20.8	19.0	18.0	16.9	16.2	15.9	15.9	15.9
37.5°	23.6	21.1	19.0	17.6	16.6	15.5	15.1	14.4	14.4	14.4
40°	21.5	19.4	17.6	16.2	15.1	14.4	14.1	13.7	13.4	13.4
42.5°	19.7	17.6	16.2	15.1	14.1	13.4	13.0	12.7	12.7	12.3
45°	18.0	16.2	15.1	14.1	13.0	12.7	12.3	12.0	11.6	11.6
47.5°	16.6	15.1	13.7	13.0	12.3	11.6	11.3	11.3	10.9	10.9
50°	15.1	13.7	12.7	12.0	11.3	10.9	10.6	10.6	10.2	10.2
52.5°	14.1	12.7	12.0	11.3	10.6	10.2	9.9	9.9	9.5	9.5
55°	12.7	11.6	10.9	10.6	9.9	9.5	9.2	8.8	8.8	9.2
57.5°	11.6	10.9	10.2	9.9	9.2	8.8	8.5	8.5	8.1	8.5
60°	10.6	9.9	9.2	8.8	8.5	8.1	7.8	7.4	7.4	7.4
62.5°	9.5	8.8	8.5	7.8	7.4	7.4	7.0	7.0	7.0	6.7
65°	8.1	7.8	7.4	7.0	6.7	6.3	6.3	6.0	6.0	6.0
67.5°	6.7	6.3	6.0	6.0	5.6	5.3	5.3	5.3	5.3	4.9
70°	5.3	4.9	4.9	4.6	4.6	4.6	4.2	4.2	4.2	4.2
72.5°	3.9	3.9	3.5	3.5	3.5	3.5	3.2	3.2	3.2	3.2
75°	2.8	2.8	2.8	2.5	2.5	2.5	2.1	2.1	2.1	2.1
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)