

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: P1445858

Luminaire Tested: P3ART02R709030DE010 E3LDWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709030DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

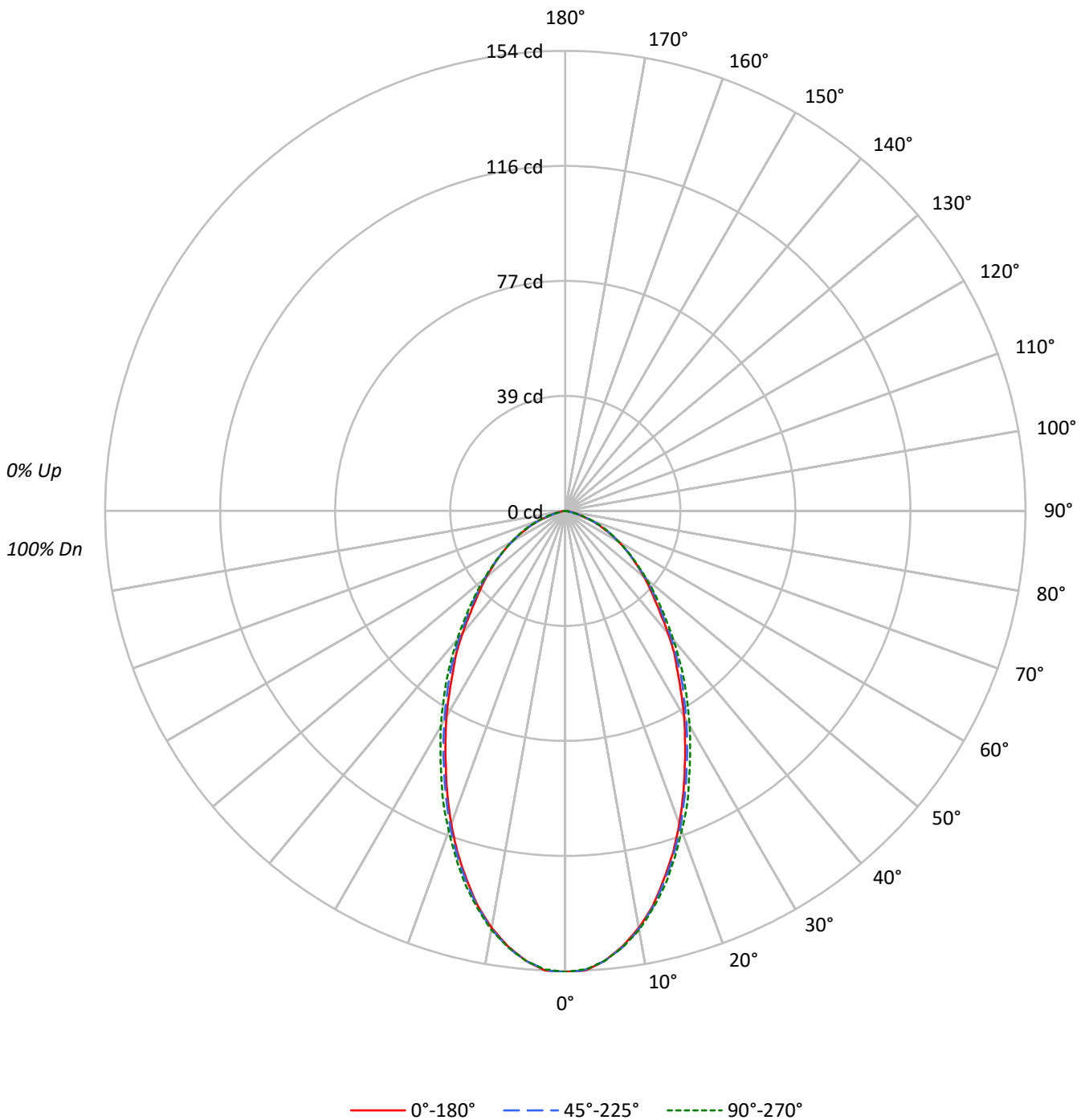
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	102	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33857	33857	33857
5°	33282	33282	33282
10°	31551	31640	31707
15°	28967	29126	29376
20°	26019	26252	26579
25°	22888	23227	23735
30°	20130	20484	21092
35°	17507	18069	18551
40°	15286	15715	16116
45°	13180	13645	13955
50°	11769	12008	12110
55°	10360	10475	10475
60°	9078	8947	9078
65°	7472	7679	7835
70°	5834	5834	6091
75°	3897	3558	3558
80°	2273	1768	1389
85°	1006	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 13955 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	6.6
10°-20°	35.8	16.7
20°-30°	44.2	20.6
30°-40°	42.1	19.6
40°-50°	34.1	15.9
50°-60°	24.5	11.4
60°-70°	14.7	6.8
70°-80°	4.9	2.3
80°-90°	0.4	0.2
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°	94.2	43.8
0°-40°	136.3	63.4
0°-60°	195.0	90.7
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	154	154	154	154	154	
5°	151	151	151	151	151	14
15°	128	128	128	129	129	36
25°	95	95	96	97	98	44
35°	65	66	68	69	69	41
45°	42	43	44	45	45	33
55°	27	27	27	27	27	24
65°	14	15	15	15	15	14
75°	5	5	4	4	4	5
85°	0	0	0	0	0	1
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°	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
2°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	153.7
2.5°	154.0	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	154.0	153.7
5°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.5	151.2	151.2
7.5°	147.0	147.0	147.0	147.0	147.3	147.3	147.3	147.3	147.7	147.7	147.3
10°	141.7	141.7	141.7	141.7	142.1	142.1	142.4	142.1	142.1	142.4	142.4
12.5°	135.4	135.0	135.0	135.0	135.4	135.7	135.7	135.7	136.1	136.1	136.1
15°	127.6	127.6	127.6	128.0	128.0	128.3	128.7	128.7	129.0	129.0	129.4
17.5°	119.9	119.9	119.5	119.9	120.3	120.6	121.0	121.3	121.7	121.7	121.7
20°	111.5	111.1	111.5	111.8	112.2	112.5	112.9	113.6	113.9	113.9	113.9
22.5°	103.0	102.7	103.0	103.4	103.7	104.1	105.1	105.5	105.8	105.8	106.5
25°	94.6	94.6	94.9	95.3	95.6	96.0	96.7	97.4	97.7	98.1	98.1
27.5°	86.8	86.8	86.8	86.8	87.6	88.3	89.0	89.7	90.0	90.4	90.4
30°	79.5	79.1	79.1	79.5	80.2	80.9	81.6	82.3	82.6	83.0	83.3
32.5°	72.1	72.1	72.1	72.4	72.8	73.8	74.5	74.9	75.6	75.9	75.9
35°	65.4	65.4	65.4	66.1	66.8	67.5	67.9	68.6	69.3	69.3	69.3
37.5°	59.8	60.1	60.8	60.5	60.5	60.8	61.2	61.9	62.6	62.6	62.6
40°	53.4	53.8	54.1	53.8	54.1	54.9	55.2	55.6	55.9	56.3	56.3
42.5°	47.5	47.5	47.5	47.8	48.5	48.9	49.6	49.9	50.3	50.3	50.3
45°	42.5	42.5	42.9	43.2	43.6	44.0	44.3	44.7	45.0	45.0	45.0
47.5°	38.3	38.3	38.7	38.7	39.0	39.4	39.7	39.7	40.1	40.4	40.1
50°	34.5	34.5	34.5	34.8	34.8	35.2	35.2	35.5	35.5	35.5	35.5
52.5°	30.6	30.6	30.6	30.6	30.9	30.9	30.9	31.3	31.3	31.3	31.3
55°	27.1	27.1	27.1	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4
57.5°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
60°	20.7	20.7	20.7	20.7	20.7	20.4	20.7	20.7	20.7	20.7	20.7
62.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.9	17.9	17.9	17.9
65°	14.4	14.8	14.8	14.8	14.8	14.8	14.8	15.1	15.1	15.1	15.1
67.5°	11.6	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.3	12.3	12.3
70°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.5
72.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.7	6.7	6.7
75°	4.6	4.6	4.6	4.6	4.2	4.2	4.2	4.2	4.2	4.2	4.2
77.5°	3.2	3.2	3.2	2.8	2.8	2.5	2.5	2.5	2.5	2.5	2.1
80°	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	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

(END OF REPORT)