

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: P3ART02R709830DE010 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: P3ART02R709830DE010 E3LCWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LCWW1GPH TRIM
Light Source: -
Ballast/Driver: -

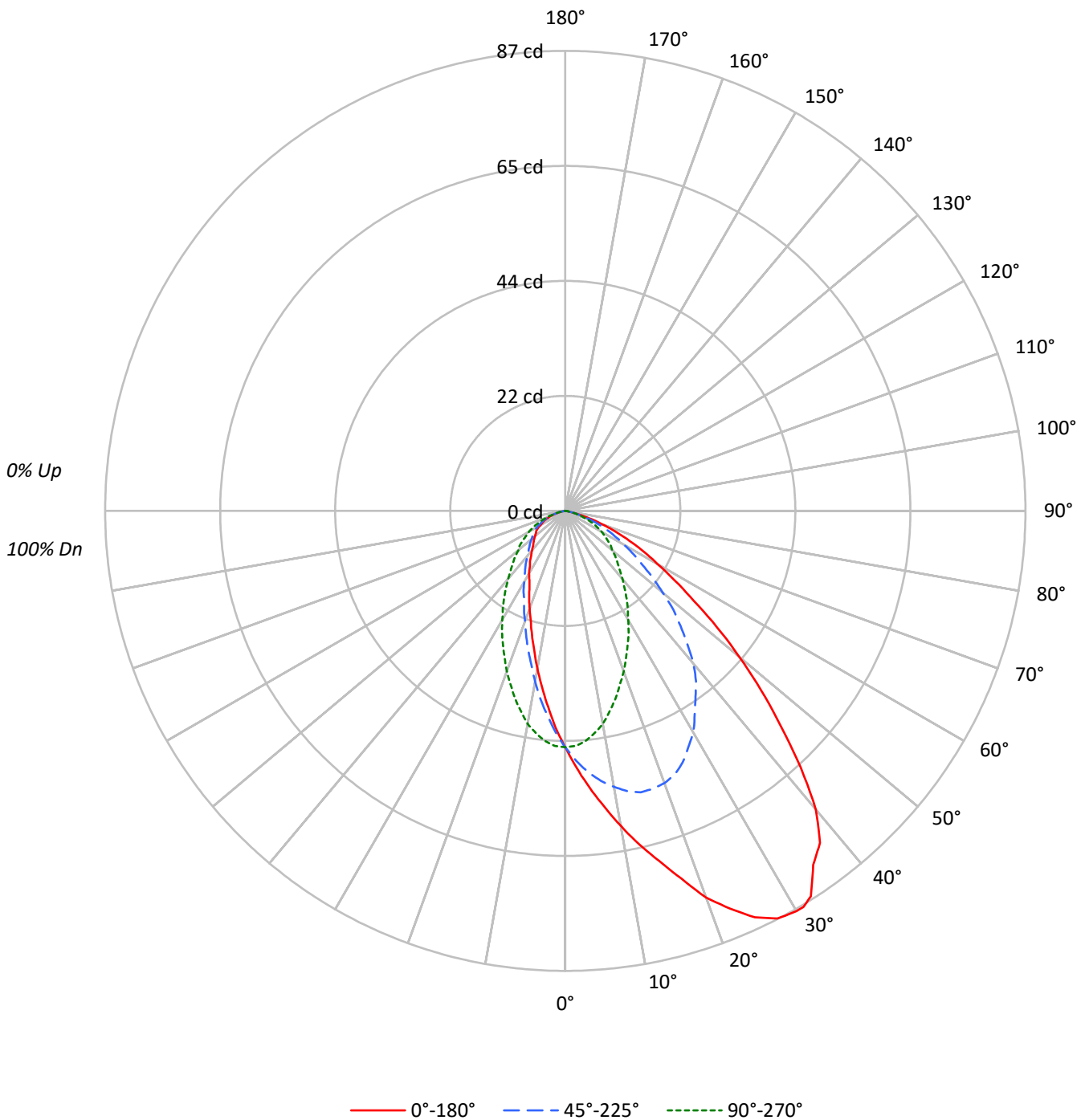
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 91.0 lumens
Efficiency: N/A
Efficacy: 25.3 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): 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

TEST NUMBER: P#
CATALOG NUMBER: P3ART02R709830DE010 E3LCWW1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART02R709830DE010 E3LCWW1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
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	34
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°	9802	9802	9802	9802	9802
5°	11556	10918	9619	8541	8188
10°	13471	11801	9107	7303	6747
15°	15551	12509	8331	6152	5516
20°	18155	12788	7537	5180	4597
25°	20517	12702	6750	4452	3871
30°	22130	12255	6026	3925	3469
35°	21870	11484	5407	3534	3105
40°	21097	10792	4809	3177	2805
45°	17893	9551	4342	2977	2636
50°	14635	8187	3957	2831	2559
55°	11354	6805	3747	2753	2561
60°	8859	5657	3508	2719	2368
65°	6953	4670	3061	2542	2283
70°	4809	3462	2500	2180	1988
75°	2372	1949	1779	1525	1356
80°	379	631	1010	631	379
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17893 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART02R709830DE010 E3LCWW1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	4.6
10°-20°	11.7	12.8
20°-30°	17.2	18.9
30°-40°	19.3	21.2
40°-50°	16.9	18.6
50°-60°	12.1	13.3
60°-70°	7.2	7.9
70°-80°	2.4	2.6
80°-90°	0.1	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°	33.0	36.3
0°-40°	52.3	57.4
0°-60°	81.3	89.3
0°-90°	91.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	91.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	52	50	44	39	37	5
15°	68	55	37	27	24	20
25°	85	52	28	18	16	39
35°	82	43	20	13	12	51
45°	58	31	14	10	8	45
55°	30	18	10	7	7	27
65°	13	9	6	5	4	13
75°	3	2	2	2	2	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R709830DE010 E3LCWW1GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	48.6	48.6	48.6	48.1	48.1	47.3	46.8	46.0	45.5	44.7	44.5
5°	52.5	52.5	52.0	51.5	50.7	49.6	48.4	47.1	45.5	44.2	43.7
7.5°	56.4	56.6	55.8	54.8	53.3	51.5	49.6	47.6	45.2	43.4	42.4
10°	60.5	60.5	59.5	57.9	55.6	53.0	50.2	47.3	44.5	41.9	40.9
12.5°	64.6	64.4	63.1	60.8	57.9	54.3	50.4	46.8	43.4	40.3	38.8
15°	68.5	68.5	66.7	63.9	59.7	55.1	50.4	45.8	41.9	38.3	36.7
17.5°	72.9	72.9	70.6	66.2	61.0	55.1	49.6	44.5	40.1	36.2	34.4
20°	77.8	77.6	74.2	68.3	61.5	54.8	48.6	42.9	38.0	33.9	32.3
22.5°	81.4	81.2	77.3	70.1	61.8	54.0	46.8	40.9	35.9	31.8	30.0
25°	84.8	84.3	79.9	70.8	61.3	52.5	45.0	38.5	33.9	29.7	27.9
27.5°	86.9	86.6	81.7	70.6	60.0	50.4	42.7	36.5	31.5	27.4	25.9
30°	87.4	87.7	81.7	69.3	57.9	48.4	40.3	34.1	29.2	25.6	23.8
31°	87.4	87.7	81.2	68.5	57.1	47.3	39.3	33.4	28.2	24.6	23.0
32.5°	86.4	85.8	80.4	67.2	55.3	45.5	38.0	32.1	26.9	23.3	22.0
35°	81.7	82.0	77.8	64.4	52.7	42.9	35.4	29.5	24.6	21.5	20.2
37.5°	79.1	79.1	71.6	60.5	49.9	40.6	32.3	26.6	22.5	19.7	18.4
40°	73.7	72.9	65.9	56.4	46.5	37.7	30.5	24.8	20.7	17.8	16.8
42.5°	65.9	65.2	59.7	52.7	42.1	34.1	29.0	22.0	18.6	16.3	15.3
45°	57.7	57.1	53.0	46.5	38.0	30.8	25.1	20.2	17.1	14.7	14.0
47.5°	50.2	49.4	46.3	41.4	34.4	27.7	21.7	18.1	15.3	13.4	12.9
50°	42.9	42.7	40.1	36.2	30.5	24.0	19.1	16.0	14.0	12.4	11.6
52.5°	36.2	35.7	34.4	31.3	26.6	20.9	16.8	14.2	12.4	11.4	10.9
55°	29.7	29.7	28.4	26.4	22.8	17.8	14.7	12.7	11.1	10.3	9.8
57.5°	24.6	24.6	23.5	22.2	18.9	15.3	12.9	11.1	10.1	9.3	8.8
60°	20.2	20.2	19.4	18.1	15.8	12.9	11.1	9.8	9.0	8.3	8.0
62.5°	16.8	16.5	16.0	14.7	12.9	10.9	9.6	8.5	7.8	7.2	7.0
65°	13.4	13.2	12.7	11.6	10.3	9.0	8.0	7.2	6.7	6.2	5.9
67.5°	10.3	10.3	9.8	9.0	8.0	7.2	6.5	5.9	5.4	5.2	4.9
70°	7.5	7.5	7.2	6.7	5.9	5.4	4.9	4.7	4.4	4.1	3.9
72.5°	5.2	5.2	4.9	4.7	4.1	3.9	3.4	3.4	3.1	3.1	2.8
75°	2.8	2.8	2.8	2.6	2.6	2.3	2.3	2.3	2.1	2.1	2.1
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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



TEST NUMBER: P#

CATALOG NUMBER: P3ART02R709830DE010 E3LCWW1GPH

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	44.2	43.4	42.9	42.7	41.9	41.6	41.4	41.1	41.1	41.1
5°	43.2	41.9	40.6	39.8	38.8	38.3	37.7	37.5	37.2	37.2
7.5°	41.4	39.8	38.3	37.0	35.9	34.9	34.4	33.9	33.9	33.6
10°	39.6	37.5	35.7	33.9	32.8	31.5	31.0	30.5	30.3	30.3
12.5°	37.5	34.9	32.8	31.3	29.7	28.7	27.9	27.4	27.1	27.1
15°	35.2	32.6	30.3	28.7	27.1	25.9	25.1	24.6	24.3	24.3
17.5°	32.8	30.3	27.7	26.1	24.6	23.3	22.8	22.2	22.0	21.7
20°	30.8	27.7	25.6	23.5	22.2	21.2	20.4	19.9	19.7	19.7
22.5°	28.4	25.6	23.3	21.7	20.4	19.4	18.4	18.1	17.8	17.8
25°	26.1	23.5	21.5	19.9	18.4	17.6	16.8	16.3	16.3	16.0
27.5°	24.3	21.7	19.7	18.1	17.1	16.0	15.5	15.0	14.7	14.7
30°	22.2	19.9	18.1	16.8	15.5	14.7	14.2	13.7	13.7	13.7
31°	21.7	19.4	17.6	16.0	15.0	14.2	13.7	13.4	13.2	13.2
32.5°	20.4	18.4	16.5	15.3	14.2	13.4	12.9	12.7	12.7	12.4
35°	18.9	16.8	15.3	14.0	13.2	12.4	11.9	11.6	11.6	11.6
37.5°	17.3	15.5	14.0	12.9	12.2	11.4	11.1	10.6	10.6	10.6
40°	15.8	14.2	12.9	11.9	11.1	10.6	10.3	10.1	9.8	9.8
42.5°	14.5	12.9	11.9	11.1	10.3	9.8	9.6	9.3	9.3	9.0
45°	13.2	11.9	11.1	10.3	9.6	9.3	9.0	8.8	8.5	8.5
47.5°	12.2	11.1	10.1	9.6	9.0	8.5	8.3	8.3	8.0	8.0
50°	11.1	10.1	9.3	8.8	8.3	8.0	7.8	7.8	7.5	7.5
52.5°	10.3	9.3	8.8	8.3	7.8	7.5	7.2	7.2	7.0	7.0
55°	9.3	8.5	8.0	7.8	7.2	7.0	6.7	6.5	6.5	6.7
57.5°	8.5	8.0	7.5	7.2	6.7	6.5	6.2	6.2	5.9	6.2
60°	7.8	7.2	6.7	6.5	6.2	5.9	5.7	5.4	5.4	5.4
62.5°	7.0	6.5	6.2	5.7	5.4	5.4	5.2	5.2	5.2	4.9
65°	5.9	5.7	5.4	5.2	4.9	4.7	4.7	4.4	4.4	4.4
67.5°	4.9	4.7	4.4	4.4	4.1	3.9	3.9	3.9	3.9	3.6
70°	3.9	3.6	3.6	3.4	3.4	3.4	3.1	3.1	3.1	3.1
72.5°	2.8	2.8	2.6	2.6	2.6	2.6	2.3	2.3	2.3	2.3
75°	2.1	2.1	2.1	1.8	1.8	1.8	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	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)