

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: P1446760

Luminaire Tested: P3ART02R709740DE010 E3LCWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446760
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: P3ART02R709740DE010 E3LCWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LCWW1B TRIM
Light Source: -
Ballast/Driver: -

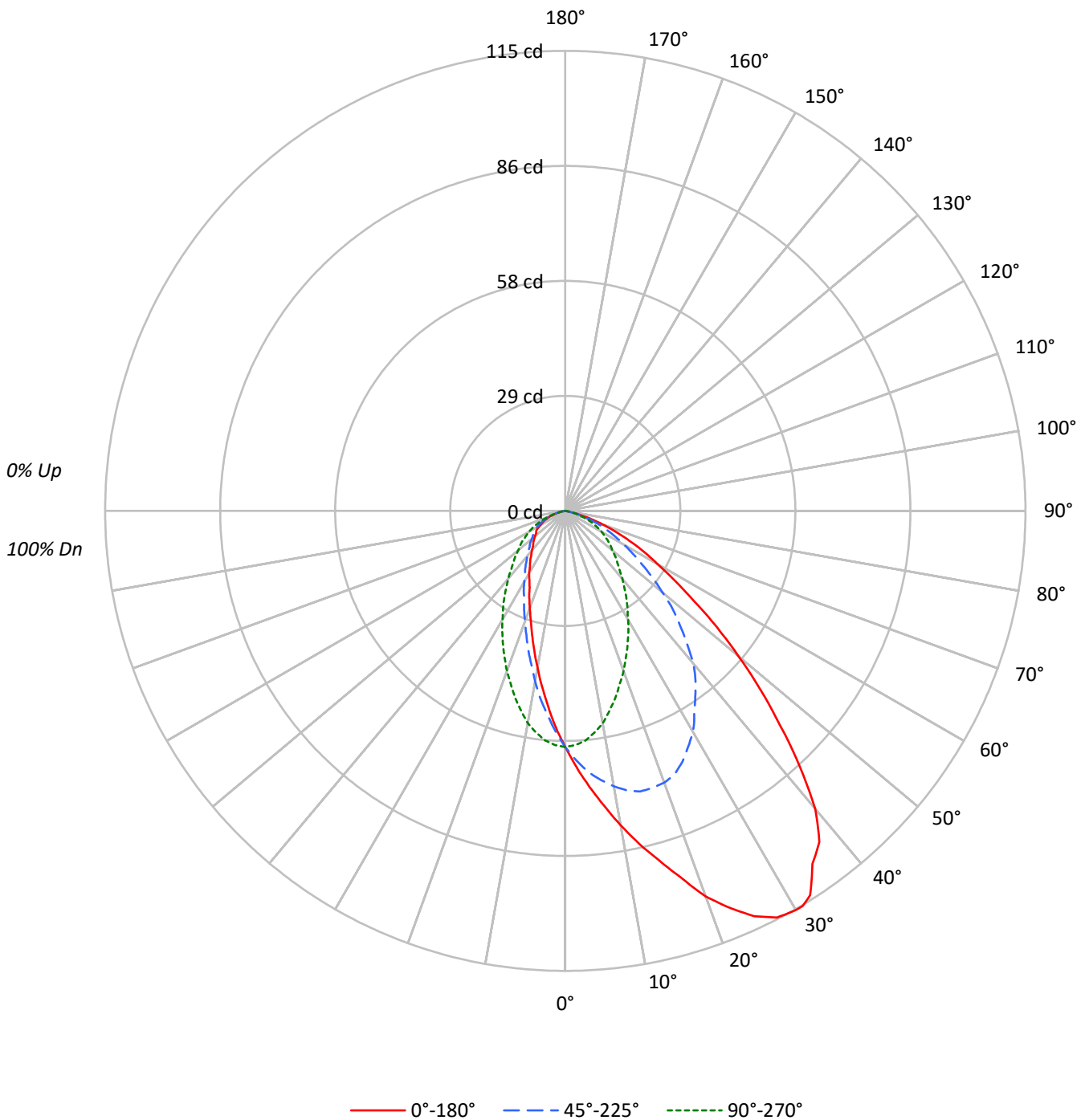
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 120.0 lumens
Efficiency: N/A
Efficacy: 33.3 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: P1446760
CATALOG NUMBER: P3ART02R709740DE010 E3LCWW1B

Luminous Intensity Polar Plot





TEST NUMBER: P1446760
 CATALOG NUMBER: P3ART02R709740DE010 E3LCWW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12938	12938	12938	12938	12938
5°	15232	14418	12679	11248	10808
10°	17769	15564	12002	9641	8884
15°	20522	16481	10988	8127	7265
20°	23942	16871	9941	6837	6044
25°	27050	16743	8904	5855	5105
30°	29169	16154	7951	5191	4583
35°	28830	15151	7121	4658	4096
40°	27824	14255	6355	4208	3721
45°	23568	12590	5706	3907	3504
50°	19309	10814	5219	3718	3377
55°	14986	8984	4970	3632	3403
60°	11666	7456	4649	3596	3158
65°	9184	6174	4047	3373	3009
70°	6347	4616	3270	2821	2629
75°	3219	2626	2288	2033	1694
80°	379	884	1263	884	379
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23568 cd/sqm



TEST NUMBER: P1446760
 CATALOG NUMBER: P3ART02R709740DE010 E3LCWW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	4.6
10°-20°	15.4	12.8
20°-30°	22.6	18.9
30°-40°	25.4	21.2
40°-50°	22.3	18.6
50°-60°	16.0	13.3
60°-70°	9.5	7.9
70°-80°	3.2	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°	43.5	36.3
0°-40°	68.9	57.4
0°-60°	107.2	89.4
0°-90°	120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	120.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	59	59	59	59	59	
5°	69	66	58	51	49	7
15°	90	73	48	36	32	26
25°	112	69	37	24	21	51
35°	108	57	27	17	15	68
45°	76	41	18	13	11	59
55°	39	24	13	10	9	36
65°	18	12	8	6	6	18
75°	4	3	3	2	2	5
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1446760
 CATALOG NUMBER: P3ART02R709740DE010 E3LCWW1B

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	64.1	64.1	64.1	63.4	63.4	62.4	61.7	60.7	60.0	59.0	58.6
5°	69.2	69.2	68.5	67.8	66.8	65.5	63.8	62.1	60.0	58.3	57.6
7.5°	74.3	74.7	73.6	72.3	70.2	67.8	65.5	62.7	59.7	57.3	55.9
10°	79.8	79.8	78.4	76.4	73.3	69.9	66.1	62.4	58.6	55.2	53.9
12.5°	85.2	84.9	83.2	80.1	76.4	71.6	66.5	61.7	57.3	53.2	51.1
15°	90.4	90.4	88.0	84.2	78.8	72.6	66.5	60.3	55.2	50.5	48.4
17.5°	96.1	96.1	93.1	87.3	80.5	72.6	65.5	58.6	52.8	47.7	45.3
20°	102.6	102.3	97.9	90.0	81.1	72.3	64.1	56.6	50.1	44.7	42.6
22.5°	107.4	107.1	101.9	92.4	81.5	71.3	61.7	53.9	47.4	41.9	39.6
25°	111.8	111.2	105.4	93.4	80.8	69.2	59.3	50.8	44.7	39.2	36.8
27.5°	114.6	114.2	107.7	93.1	79.1	66.5	56.3	48.1	41.6	36.1	34.1
30°	115.2	115.6	107.7	91.4	76.4	63.8	53.2	45.0	38.5	33.8	31.4
31°	115.2	115.6	107.1	90.4	75.4	62.4	51.8	44.0	37.2	32.4	30.3
32.5°	113.9	113.2	106.0	88.6	73.0	60.0	50.1	42.3	35.5	30.7	29.0
35°	107.7	108.1	102.6	84.9	69.6	56.6	46.7	38.9	32.4	28.3	26.6
37.5°	104.3	104.3	94.4	79.8	65.8	53.5	42.6	35.1	29.7	25.9	24.2
40°	97.2	96.1	86.9	74.3	61.4	49.8	40.2	32.7	27.3	23.5	22.2
42.5°	86.9	85.9	78.8	69.6	55.6	45.0	38.2	29.0	24.5	21.5	20.1
45°	76.0	75.4	69.9	61.4	50.1	40.6	33.1	26.6	22.5	19.4	18.4
47.5°	66.1	65.1	61.0	54.6	45.3	36.5	28.6	23.9	20.1	17.7	17.0
50°	56.6	56.3	52.8	47.7	40.2	31.7	25.2	21.1	18.4	16.4	15.3
52.5°	47.7	47.1	45.3	41.3	35.1	27.6	22.2	18.8	16.4	15.0	14.3
55°	39.2	39.2	37.5	34.8	30.0	23.5	19.4	16.7	14.7	13.6	13.0
57.5°	32.4	32.4	31.0	29.3	24.9	20.1	17.0	14.7	13.3	12.3	11.6
60°	26.6	26.6	25.6	23.9	20.8	17.0	14.7	13.0	11.9	10.9	10.6
62.5°	22.2	21.8	21.1	19.4	17.0	14.3	12.6	11.3	10.2	9.5	9.2
65°	17.7	17.4	16.7	15.3	13.6	11.9	10.6	9.5	8.9	8.2	7.8
67.5°	13.6	13.6	13.0	11.9	10.6	9.5	8.5	7.8	7.2	6.8	6.5
70°	9.9	9.9	9.5	8.9	7.8	7.2	6.5	6.1	5.8	5.5	5.1
72.5°	6.8	6.8	6.5	6.1	5.5	5.1	4.4	4.4	4.1	4.1	3.8
75°	3.8	3.8	3.8	3.4	3.4	3.1	3.1	3.1	2.7	2.7	2.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	1.0	1.0	1.0
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: P1446760
 CATALOG NUMBER: P3ART02R709740DE010 E3LCWW1B

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	58.3	57.3	56.6	56.3	55.2	54.9	54.6	54.2	54.2	54.2
5°	56.9	55.2	53.5	52.5	51.1	50.5	49.8	49.4	49.1	49.1
7.5°	54.6	52.5	50.5	48.8	47.4	46.0	45.3	44.7	44.7	44.3
10°	52.2	49.4	47.1	44.7	43.3	41.6	40.9	40.2	39.9	39.9
12.5°	49.4	46.0	43.3	41.3	39.2	37.8	36.8	36.1	35.8	35.8
15°	46.4	43.0	39.9	37.8	35.8	34.1	33.1	32.4	32.0	32.0
17.5°	43.3	39.9	36.5	34.4	32.4	30.7	30.0	29.3	29.0	28.6
20°	40.6	36.5	33.8	31.0	29.3	28.0	26.9	26.3	25.9	25.9
22.5°	37.5	33.8	30.7	28.6	26.9	25.6	24.2	23.9	23.5	23.5
25°	34.4	31.0	28.3	26.3	24.2	23.2	22.2	21.5	21.5	21.1
27.5°	32.0	28.6	25.9	23.9	22.5	21.1	20.5	19.8	19.4	19.4
30°	29.3	26.3	23.9	22.2	20.5	19.4	18.8	18.1	18.1	18.1
31°	28.6	25.6	23.2	21.1	19.8	18.8	18.1	17.7	17.4	17.4
32.5°	26.9	24.2	21.8	20.1	18.8	17.7	17.0	16.7	16.7	16.4
35°	24.9	22.2	20.1	18.4	17.4	16.4	15.7	15.3	15.3	15.3
37.5°	22.8	20.5	18.4	17.0	16.0	15.0	14.7	14.0	14.0	14.0
40°	20.8	18.8	17.0	15.7	14.7	14.0	13.6	13.3	13.0	13.0
42.5°	19.1	17.0	15.7	14.7	13.6	13.0	12.6	12.3	12.3	11.9
45°	17.4	15.7	14.7	13.6	12.6	12.3	11.9	11.6	11.3	11.3
47.5°	16.0	14.7	13.3	12.6	11.9	11.3	10.9	10.9	10.6	10.6
50°	14.7	13.3	12.3	11.6	10.9	10.6	10.2	10.2	9.9	9.9
52.5°	13.6	12.3	11.6	10.9	10.2	9.9	9.5	9.5	9.2	9.2
55°	12.3	11.3	10.6	10.2	9.5	9.2	8.9	8.5	8.5	8.9
57.5°	11.3	10.6	9.9	9.5	8.9	8.5	8.2	8.2	7.8	8.2
60°	10.2	9.5	8.9	8.5	8.2	7.8	7.5	7.2	7.2	7.2
62.5°	9.2	8.5	8.2	7.5	7.2	7.2	6.8	6.8	6.8	6.5
65°	7.8	7.5	7.2	6.8	6.5	6.1	6.1	5.8	5.8	5.8
67.5°	6.5	6.1	5.8	5.8	5.5	5.1	5.1	5.1	5.1	4.8
70°	5.1	4.8	4.8	4.4	4.4	4.4	4.1	4.1	4.1	4.1
72.5°	3.8	3.8	3.4	3.4	3.4	3.4	3.1	3.1	3.1	3.1
75°	2.7	2.7	2.7	2.4	2.4	2.4	2.0	2.0	2.0	2.0
77.5°	1.7	1.7	1.7	1.7	1.7	1.4	1.4	1.4	1.4	1.4
80°	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	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)