

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: P3ART02R709840DE010 E3LDWW1B

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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709840DE010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

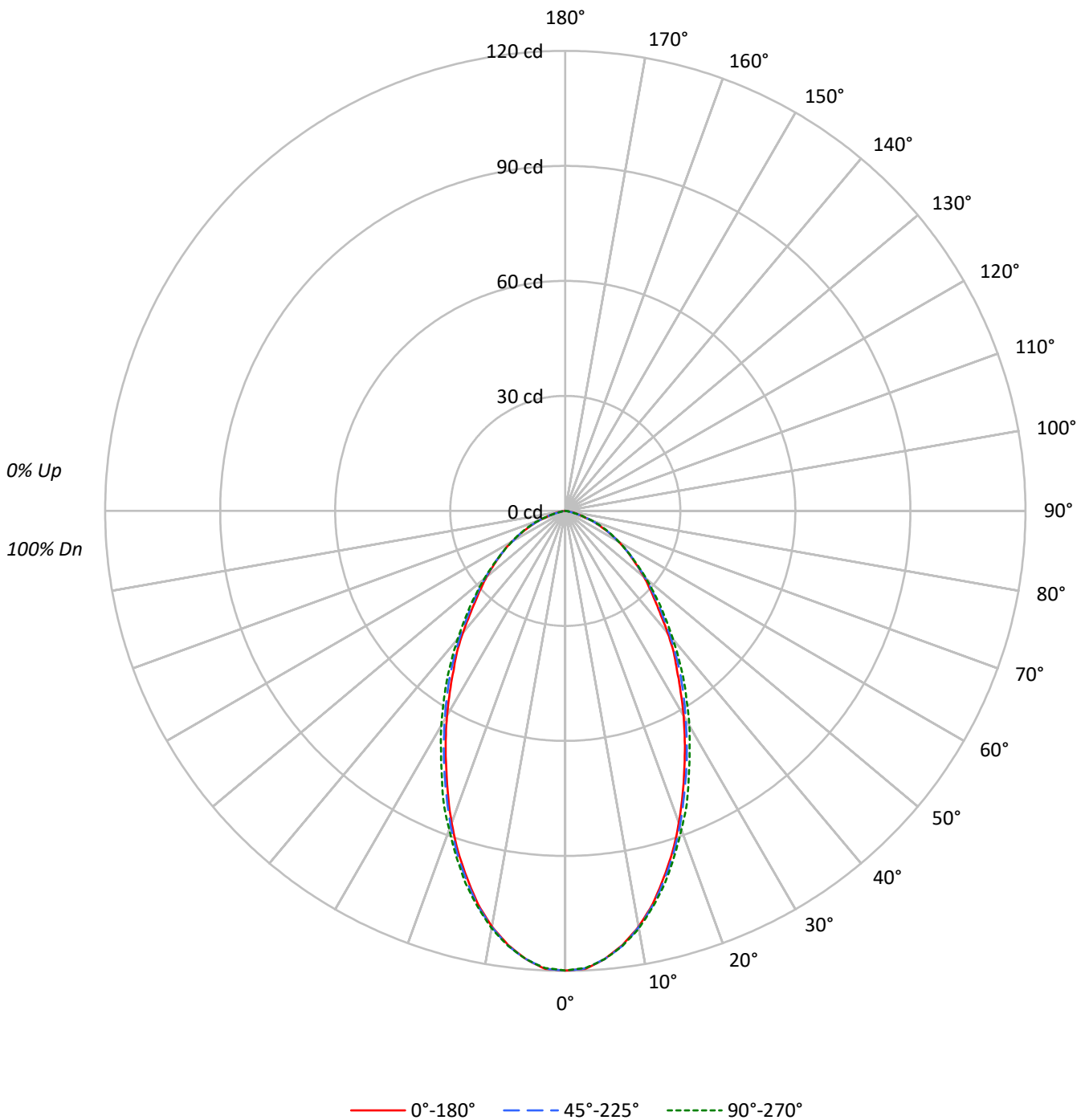
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 167.0 lumens
Efficiency: N/A
Efficacy: 46.4 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

TEST NUMBER: P#
CATALOG NUMBER: P3ART02R709840DE010 E3LDWW1B

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R709840DE010 E3LDWW1B

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26292	26292	26292
5°	25842	25842	25842
10°	24515	24560	24627
15°	22497	22634	22815
20°	20208	20395	20652
25°	17783	18049	18437
30°	15623	15901	16382
35°	13599	14027	14402
40°	11879	12194	12509
45°	10234	10575	10854
50°	9143	9313	9415
55°	8028	8143	8143
60°	7061	6929	7061
65°	5811	5967	6071
70°	4552	4552	4744
75°	3050	2796	2796
80°	1768	1389	1010
85°	755	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 10854 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R709840DE010 E3LDWW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	6.6
10°-20°	27.8	16.7
20°-30°	34.3	20.6
30°-40°	32.7	19.6
40°-50°	26.5	15.9
50°-60°	19.1	11.4
60°-70°	11.4	6.8
70°-80°	3.8	2.3
80°-90°	0.3	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
<hr/>		
0°-30°	73.2	43.8
0°-40°	105.9	63.4
0°-60°	151.4	90.7
0°-90°	167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	120	120	120	120	120	
5°	117	117	117	117	117	11
15°	99	99	100	100	100	28
25°	74	74	75	76	76	34
35°	51	51	52	53	54	32
45°	33	34	34	35	35	26
55°	21	21	21	21	21	19
65°	11	12	12	12	12	11
75°	4	4	3	3	3	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R709840DE010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
2°	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.6	119.4
2.5°	119.6	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.6	119.4
5°	117.4	117.4	117.4	117.4	117.4	117.4	117.4	117.4	117.7	117.4	117.4
7.5°	114.2	114.2	114.2	114.2	114.4	114.4	114.4	114.4	114.7	114.7	114.4
10°	110.1	110.1	110.1	110.1	110.3	110.3	110.6	110.3	110.3	110.6	110.6
12.5°	105.1	104.9	104.9	104.9	105.1	105.4	105.4	105.4	105.7	105.7	105.7
15°	99.1	99.1	99.1	99.4	99.4	99.7	100.0	100.0	100.2	100.2	100.5
17.5°	93.1	93.1	92.9	93.1	93.4	93.7	94.0	94.2	94.5	94.5	94.5
20°	86.6	86.3	86.6	86.9	87.1	87.4	87.7	88.2	88.5	88.5	88.5
22.5°	80.0	79.8	80.0	80.3	80.6	80.8	81.7	81.9	82.2	82.2	82.8
25°	73.5	73.5	73.7	74.0	74.3	74.6	75.1	75.7	75.9	76.2	76.2
27.5°	67.5	67.5	67.5	67.5	68.0	68.6	69.1	69.6	69.9	70.2	70.2
30°	61.7	61.5	61.5	61.7	62.3	62.8	63.4	63.9	64.2	64.5	64.7
32.5°	56.0	56.0	56.0	56.3	56.5	57.4	57.9	58.2	58.7	59.0	59.0
35°	50.8	50.8	50.8	51.3	51.9	52.4	52.7	53.3	53.8	53.8	53.8
37.5°	46.4	46.7	47.2	47.0	47.0	47.2	47.5	48.1	48.6	48.6	48.6
40°	41.5	41.8	42.1	41.8	42.1	42.6	42.9	43.2	43.4	43.7	43.7
42.5°	36.9	36.9	36.9	37.1	37.7	38.0	38.5	38.8	39.1	39.1	39.1
45°	33.0	33.0	33.3	33.6	33.9	34.1	34.4	34.7	35.0	35.0	35.0
47.5°	29.8	29.8	30.0	30.0	30.3	30.6	30.9	30.9	31.1	31.4	31.1
50°	26.8	26.8	26.8	27.0	27.0	27.3	27.3	27.6	27.6	27.6	27.6
52.5°	23.8	23.8	23.8	23.8	24.0	24.0	24.0	24.3	24.3	24.3	24.3
55°	21.0	21.0	21.0	21.0	21.0	21.3	21.3	21.3	21.3	21.3	21.3
57.5°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
60°	16.1	16.1	16.1	16.1	16.1	15.8	16.1	16.1	16.1	16.1	16.1
62.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.9	13.9	13.9	13.9
65°	11.2	11.5	11.5	11.5	11.5	11.5	11.5	11.7	11.7	11.7	11.7
67.5°	9.0	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.6	9.6
70°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.4
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.2	5.2	5.2
75°	3.6	3.6	3.6	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	2.5	2.5	2.5	2.2	2.2	1.9	1.9	1.9	1.9	1.9	1.6
80°	1.4	1.4	1.4	1.4	1.4	1.1	1.1	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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)