

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: P1446870

Luminaire Tested: P3ART17R709827DE010 E3LDWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446870
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: P3ART17R709827DE010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

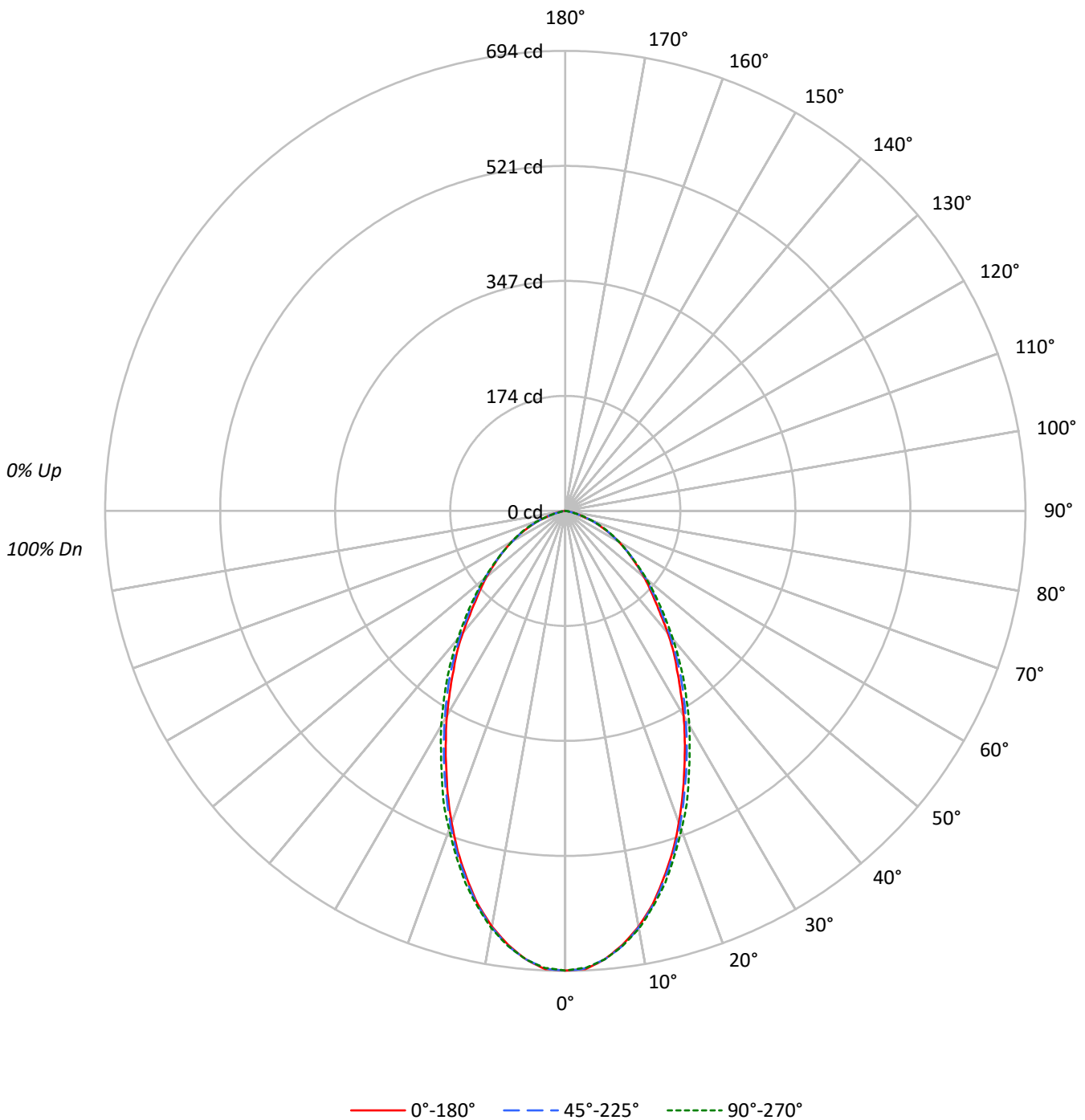
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 966.0 lumens
Efficiency: N/A
Efficacy: 47.4 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1446870
CATALOG NUMBER: P3ART17R709827DE010 E3LDWW1B

Luminous Intensity Polar Plot





TEST NUMBER: P1446870
 CATALOG NUMBER: P3ART17R709827DE010 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	76	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	61	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°	152071	152071	152071
5°	149526	149526	149526
10°	141770	142104	142460
15°	130194	130897	131987
20°	116863	117960	119454
25°	102829	104353	106651
30°	90394	92014	94799
35°	78648	81191	83306
40°	68729	70561	72364
45°	59293	61247	62704
50°	52808	53900	54446
55°	46488	47100	47100
60°	40874	40172	40874
65°	33622	34452	35231
70°	26351	26351	27376
75°	17368	16097	16097
80°	9976	7956	5935
85°	4026	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 62704 cd/sqm



TEST NUMBER: P1446870
 CATALOG NUMBER: P3ART17R709827DE010 E3LDWW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	6.6
10°-20°	161.1	16.7
20°-30°	198.6	20.6
30°-40°	189.3	19.6
40°-50°	153.1	15.9
50°-60°	110.3	11.4
60°-70°	66.1	6.8
70°-80°	22.1	2.3
80°-90°	1.9	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°	423.2	43.8
0°-40°	612.5	63.4
0°-60°	875.9	90.7
0°-90°	966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	679	679	679	680	679	63
15°	574	575	577	579	581	160
25°	425	428	431	438	441	196
35°	294	296	303	309	311	185
45°	191	194	198	201	202	149
55°	122	122	123	123	123	109
65°	65	66	66	68	68	65
75°	20	20	19	19	19	23
85°	2	2	0	0	0	3
90°	0	0	0	0	0	



TEST NUMBER: P1446870
 CATALOG NUMBER: P3ART17R709827DE010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	693.5	693.5	693.5	693.5	693.5	693.5	693.5	693.5	693.5	693.5	693.5
2°	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	690.4
2.5°	692.0	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	692.0	690.4
5°	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	680.9	679.3	679.3
7.5°	660.4	660.4	660.4	660.4	661.9	661.9	661.9	661.9	663.5	663.5	661.9
10°	636.7	636.7	636.7	636.7	638.2	638.2	639.8	638.2	638.2	639.8	639.8
12.5°	608.2	606.7	606.7	606.7	608.2	609.8	609.8	609.8	611.4	611.4	611.4
15°	573.5	573.5	573.5	575.1	575.1	576.6	578.2	578.2	579.8	579.8	581.4
17.5°	538.7	538.7	537.1	538.7	540.3	541.9	543.5	545.0	546.6	546.6	546.6
20°	500.8	499.2	500.8	502.4	504.0	505.5	507.1	510.3	511.9	511.9	511.9
22.5°	462.9	461.3	462.9	464.5	466.0	467.6	472.4	473.9	475.5	475.5	478.7
25°	425.0	425.0	426.6	428.1	429.7	431.3	434.5	437.6	439.2	440.8	440.8
27.5°	390.2	390.2	390.2	390.2	393.4	396.5	399.7	402.9	404.4	406.0	406.0
30°	357.0	355.5	355.5	357.0	360.2	363.4	366.5	369.7	371.3	372.8	374.4
32.5°	323.9	323.9	323.9	325.4	327.0	331.8	334.9	336.5	339.7	341.2	341.2
35°	293.8	293.8	293.8	297.0	300.2	303.3	304.9	308.1	311.2	311.2	311.2
37.5°	268.6	270.2	273.3	271.7	271.7	273.3	274.9	278.0	281.2	281.2	281.2
40°	240.1	241.7	243.3	241.7	243.3	246.5	248.0	249.6	251.2	252.8	252.8
42.5°	213.3	213.3	213.3	214.9	218.0	219.6	222.8	224.3	225.9	225.9	225.9
45°	191.2	191.2	192.7	194.3	195.9	197.5	199.1	200.6	202.2	202.2	202.2
47.5°	172.2	172.2	173.8	173.8	175.4	176.9	178.5	178.5	180.1	181.7	180.1
50°	154.8	154.8	154.8	156.4	156.4	158.0	158.0	159.6	159.6	159.6	159.6
52.5°	137.4	137.4	137.4	137.4	139.0	139.0	139.0	140.6	140.6	140.6	140.6
55°	121.6	121.6	121.6	121.6	121.6	123.2	123.2	123.2	123.2	123.2	123.2
57.5°	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4
60°	93.2	93.2	93.2	93.2	93.2	91.6	93.2	93.2	93.2	93.2	93.2
62.5°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.6	80.6	80.6	80.6
65°	64.8	66.4	66.4	66.4	66.4	66.4	66.4	67.9	67.9	67.9	67.9
67.5°	52.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	55.3	55.3	55.3
70°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	42.7
72.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	30.0	30.0	30.0
75°	20.5	20.5	20.5	20.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	14.2	14.2	14.2	12.6	12.6	11.1	11.1	11.1	11.1	11.1	9.5
80°	7.9	7.9	7.9	7.9	7.9	6.3	6.3	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	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)