

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: P3ART17R709030D2WDE010 E3LCWW1H

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: P3ART17R709030D2WDE010 E3LCWW1H
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

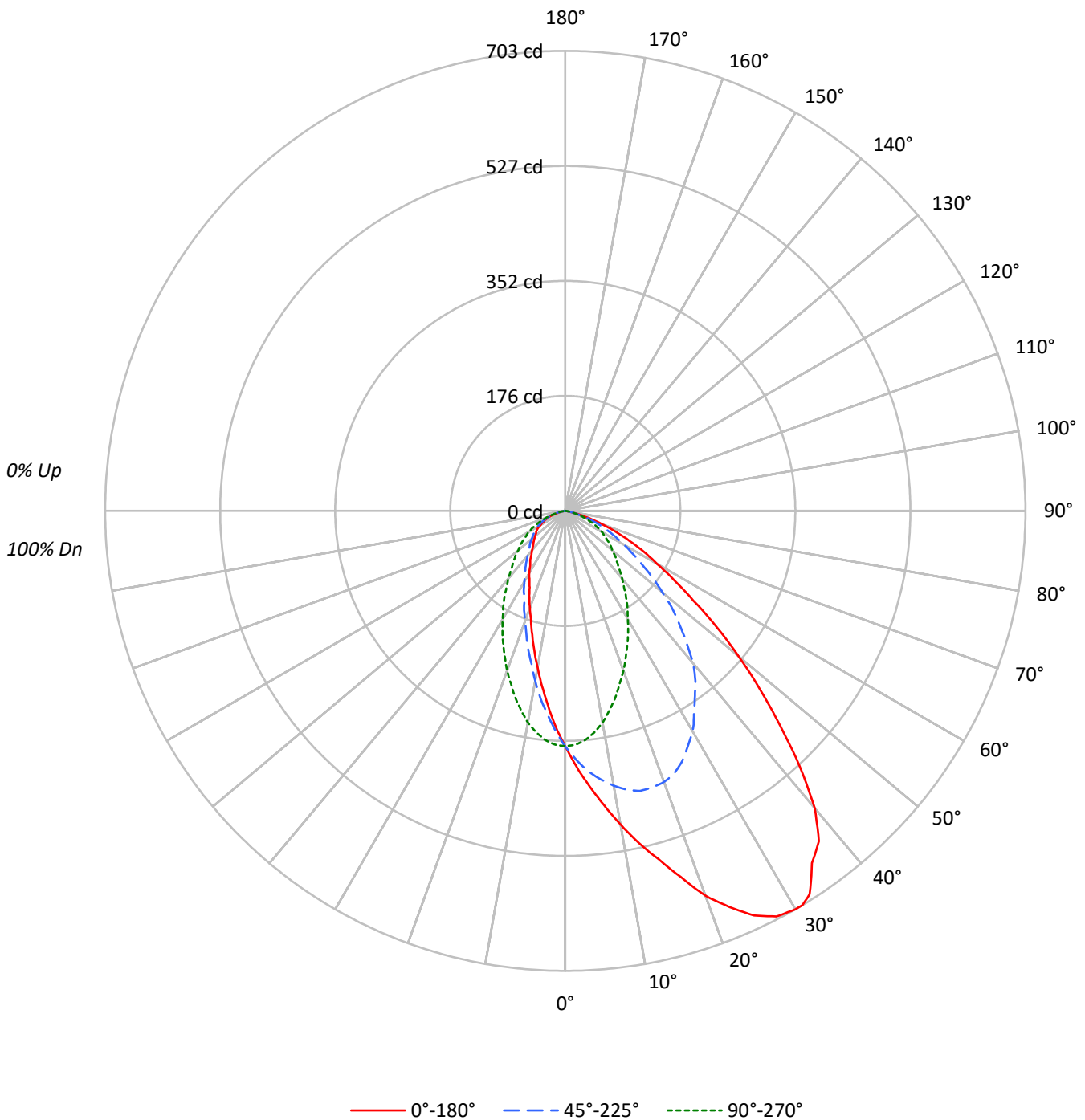
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 26.8 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): 27.3
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	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°	78897	78897	78897	78897	78897
5°	92934	87893	77372	68677	65925
10°	108370	94944	73167	58805	54174
15°	125131	100568	67038	49580	44382
20°	146079	102886	60672	41747	36893
25°	165058	102151	54342	35736	31187
30°	178002	98471	48438	31600	27903
35°	175927	92407	43420	28402	25056
40°	169661	86934	38701	25591	22614
45°	143829	76752	34825	23878	21274
50°	117762	65977	31931	22720	20571
55°	91447	54861	30202	22250	20683
60°	71135	45610	28287	21884	19165
65°	56141	37773	24802	20495	18368
70°	38660	28018	20003	17311	16028
75°	19402	15843	14064	12370	10590
80°	2652	5304	7829	5304	2652
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 143829 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	4.6
10°-20°	93.7	12.8
20°-30°	138.1	18.9
30°-40°	154.9	21.2
40°-50°	136.2	18.6
50°-60°	97.4	13.3
60°-70°	57.7	7.9
70°-80°	19.4	2.6
80°-90°	0.9	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°	265.5	36.3
0°-40°	420.4	57.4
0°-60°	654.0	89.3
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	360	360	360	360	360	
5°	422	399	352	312	300	42
15°	551	443	295	218	196	159
25°	682	422	225	148	129	314
35°	657	345	162	106	94	413
45°	464	248	112	77	69	359
55°	239	144	79	58	54	219
65°	108	73	48	40	35	108
75°	23	19	17	15	12	28
85°	0	0	0	0	0	0
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°	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8
2.5°	391.0	391.0	391.0	386.8	386.8	380.6	376.4	370.2	366.0	359.8	357.7
5°	422.2	422.2	418.0	413.9	407.6	399.3	388.9	378.5	366.0	355.6	351.5
7.5°	453.4	455.5	449.2	440.9	428.4	413.9	399.3	382.7	364.0	349.4	341.1
10°	486.7	486.7	478.4	465.9	447.2	426.4	403.5	380.6	357.7	336.9	328.6
12.5°	520.0	517.9	507.5	488.8	465.9	436.8	405.6	376.4	349.4	324.5	312.0
15°	551.2	551.2	536.6	513.7	480.4	443.0	405.6	368.1	336.9	307.8	295.3
17.5°	586.5	586.5	567.8	532.4	490.8	443.0	399.3	357.7	322.4	291.2	276.6
20°	626.0	623.9	596.9	549.1	495.0	440.9	391.0	345.2	305.7	272.5	260.0
22.5°	655.1	653.1	621.9	563.6	497.1	434.7	376.4	328.6	289.1	255.8	241.3
25°	682.2	678.0	642.7	569.9	492.9	422.2	361.9	309.9	272.5	239.2	224.6
27.5°	698.8	696.7	657.2	567.8	482.5	405.6	343.2	293.3	253.7	220.5	208.0
30°	703.0	705.1	657.2	557.4	465.9	388.9	324.5	274.5	235.0	205.9	191.3
31°	703.0	705.1	653.1	551.2	459.6	380.6	316.1	268.3	226.7	197.6	185.1
32.5°	694.7	690.5	646.8	540.8	445.1	366.0	305.7	257.9	216.3	187.2	176.8
35°	657.2	659.3	626.0	517.9	424.3	345.2	284.9	237.1	197.6	172.6	162.2
37.5°	636.4	636.4	576.1	486.7	401.4	326.5	260.0	214.2	180.9	158.1	147.7
40°	592.7	586.5	530.4	453.4	374.4	303.7	245.4	199.7	166.4	143.5	135.2
42.5°	530.4	524.1	480.4	424.3	339.0	274.5	232.9	176.8	149.7	131.0	122.7
45°	463.8	459.6	426.4	374.4	305.7	247.5	201.7	162.2	137.3	118.5	112.3
47.5°	403.5	397.2	372.3	332.8	276.6	222.5	174.7	145.6	122.7	108.2	104.0
50°	345.2	343.2	322.4	291.2	245.4	193.4	153.9	128.9	112.3	99.8	93.6
52.5°	291.2	287.0	276.6	251.7	214.2	168.5	135.2	114.4	99.8	91.5	87.4
55°	239.2	239.2	228.8	212.1	183.0	143.5	118.5	101.9	89.4	83.2	79.0
57.5°	197.6	197.6	189.3	178.9	151.8	122.7	104.0	89.4	81.1	74.9	70.7
60°	162.2	162.2	156.0	145.6	126.9	104.0	89.4	79.0	72.8	66.6	64.5
62.5°	135.2	133.1	128.9	118.5	104.0	87.4	77.0	68.6	62.4	58.2	56.2
65°	108.2	106.1	101.9	93.6	83.2	72.8	64.5	58.2	54.1	49.9	47.8
67.5°	83.2	83.2	79.0	72.8	64.5	58.2	52.0	47.8	43.7	41.6	39.5
70°	60.3	60.3	58.2	54.1	47.8	43.7	39.5	37.4	35.4	33.3	31.2
72.5°	41.6	41.6	39.5	37.4	33.3	31.2	27.0	27.0	25.0	25.0	22.9
75°	22.9	22.9	22.9	20.8	20.8	18.7	18.7	18.7	16.6	16.6	16.6
77.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
80°	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2	6.2	6.2	6.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8	359.8
2.5°	355.6	349.4	345.2	343.2	336.9	334.9	332.8	330.7	330.7	330.7
5°	347.3	336.9	326.5	320.3	312.0	307.8	303.7	301.6	299.5	299.5
7.5°	332.8	320.3	307.8	297.4	289.1	280.8	276.6	272.5	272.5	270.4
10°	318.2	301.6	287.0	272.5	264.1	253.7	249.6	245.4	243.3	243.3
12.5°	301.6	280.8	264.1	251.7	239.2	230.9	224.6	220.5	218.4	218.4
15°	282.9	262.1	243.3	230.9	218.4	208.0	201.7	197.6	195.5	195.5
17.5°	264.1	243.3	222.5	210.1	197.6	187.2	183.0	178.9	176.8	174.7
20°	247.5	222.5	205.9	189.3	178.9	170.5	164.3	160.1	158.1	158.1
22.5°	228.8	205.9	187.2	174.7	164.3	156.0	147.7	145.6	143.5	143.5
25°	210.1	189.3	172.6	160.1	147.7	141.4	135.2	131.0	131.0	128.9
27.5°	195.5	174.7	158.1	145.6	137.3	128.9	124.8	120.6	118.5	118.5
30°	178.9	160.1	145.6	135.2	124.8	118.5	114.4	110.2	110.2	110.2
31°	174.7	156.0	141.4	128.9	120.6	114.4	110.2	108.2	106.1	106.1
32.5°	164.3	147.7	133.1	122.7	114.4	108.2	104.0	101.9	101.9	99.8
35°	151.8	135.2	122.7	112.3	106.1	99.8	95.7	93.6	93.6	93.6
37.5°	139.3	124.8	112.3	104.0	97.8	91.5	89.4	85.3	85.3	85.3
40°	126.9	114.4	104.0	95.7	89.4	85.3	83.2	81.1	79.0	79.0
42.5°	116.5	104.0	95.7	89.4	83.2	79.0	77.0	74.9	74.9	72.8
45°	106.1	95.7	89.4	83.2	77.0	74.9	72.8	70.7	68.6	68.6
47.5°	97.8	89.4	81.1	77.0	72.8	68.6	66.6	66.6	64.5	64.5
50°	89.4	81.1	74.9	70.7	66.6	64.5	62.4	62.4	60.3	60.3
52.5°	83.2	74.9	70.7	66.6	62.4	60.3	58.2	58.2	56.2	56.2
55°	74.9	68.6	64.5	62.4	58.2	56.2	54.1	52.0	52.0	54.1
57.5°	68.6	64.5	60.3	58.2	54.1	52.0	49.9	49.9	47.8	49.9
60°	62.4	58.2	54.1	52.0	49.9	47.8	45.8	43.7	43.7	43.7
62.5°	56.2	52.0	49.9	45.8	43.7	43.7	41.6	41.6	41.6	39.5
65°	47.8	45.8	43.7	41.6	39.5	37.4	37.4	35.4	35.4	35.4
67.5°	39.5	37.4	35.4	35.4	33.3	31.2	31.2	31.2	31.2	29.1
70°	31.2	29.1	29.1	27.0	27.0	27.0	25.0	25.0	25.0	25.0
72.5°	22.9	22.9	20.8	20.8	20.8	20.8	18.7	18.7	18.7	18.7
75°	16.6	16.6	16.6	14.6	14.6	14.6	12.5	12.5	12.5	12.5
77.5°	10.4	10.4	10.4	10.4	10.4	8.3	8.3	8.3	8.3	8.3
80°	6.2	6.2	6.2	6.2	4.2	4.2	4.2	4.2	4.2	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	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)