

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: P1446216

Luminaire Tested: P3ART17R709050DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446216
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: P3ART17R709050DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

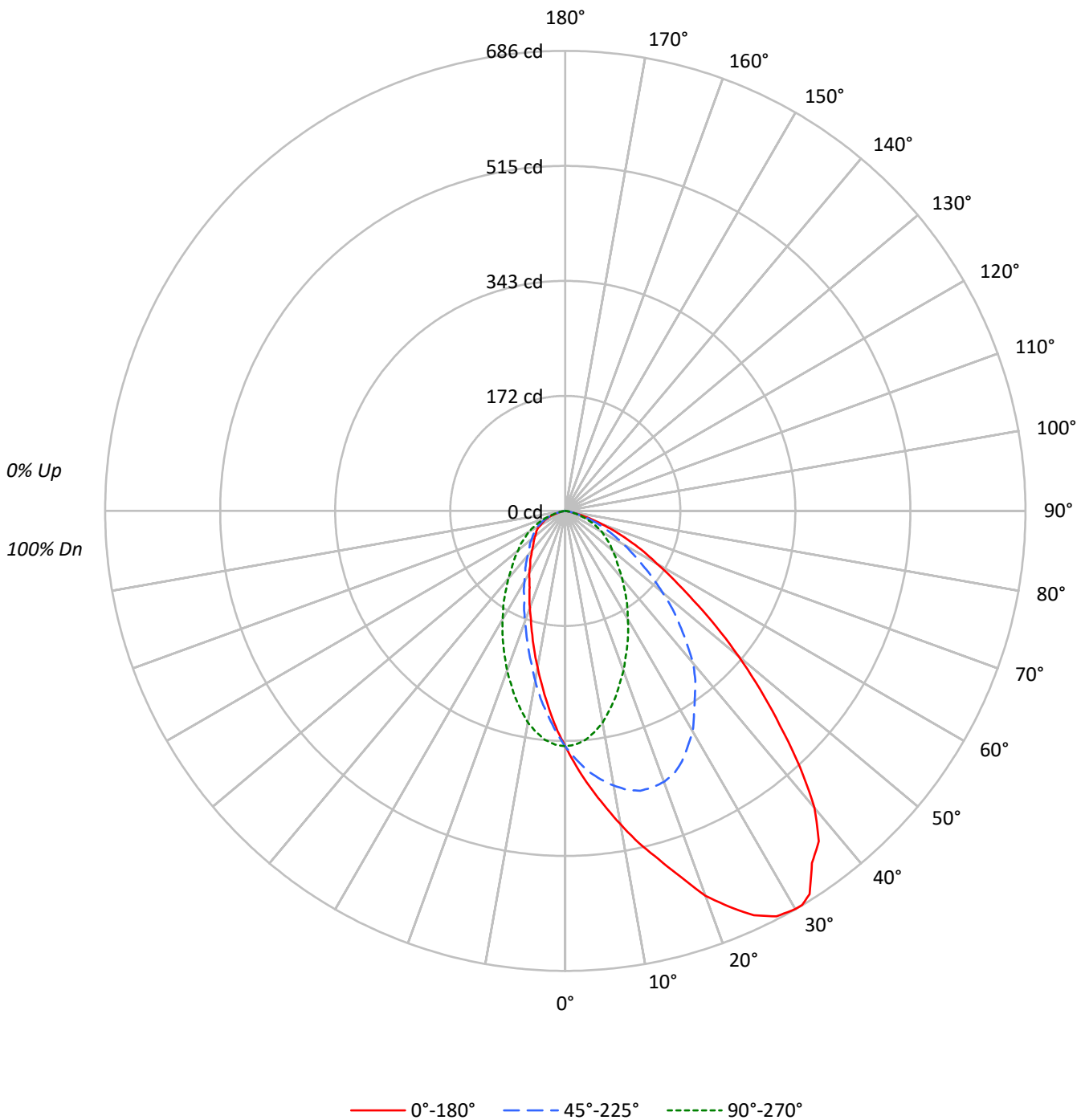
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 33.7 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): 21.2
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	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°	76968	76968	76968	76968	76968
5°	90645	85736	75457	66982	64297
10°	105698	92606	71364	57358	52860
15°	122044	98094	65403	48354	43292
20°	142486	100365	59178	40720	35983
25°	160993	99635	53011	34841	30437
30°	173622	96065	47248	30815	27219
35°	171618	90159	42349	27706	24440
40°	165510	84787	37756	24961	22070
45°	140294	74860	33957	23289	20746
50°	114896	64373	31146	22140	20059
55°	89192	53523	29476	21715	20147
60°	69380	44470	27586	21358	18683
65°	54740	36839	24231	19976	17901
70°	37699	27312	19490	16926	15580
75°	18893	15504	13725	12031	10336
80°	2526	5177	7703	5177	2526
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 140294 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	4.6
10°-20°	91.4	12.8
20°-30°	134.8	18.9
30°-40°	151.1	21.2
40°-50°	132.8	18.6
50°-60°	95.0	13.3
60°-70°	56.3	7.9
70°-80°	18.9	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°	259.0	36.3
0°-40°	410.1	57.4
0°-60°	637.9	89.3
0°-90°	714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	351	351	351	351	351	
5°	412	390	343	304	292	41
15°	538	432	288	213	191	155
25°	665	412	219	144	126	306
35°	641	337	158	104	91	403
45°	452	241	110	75	67	350
55°	233	140	77	57	53	213
65°	106	71	47	38	34	105
75°	22	18	16	14	12	27
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°	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0
2.5°	381.4	381.4	381.4	377.3	377.3	371.2	367.2	361.1	357.0	351.0	348.9
5°	411.8	411.8	407.8	403.7	397.6	389.5	379.4	369.2	357.0	346.9	342.8
7.5°	442.3	444.3	438.2	430.1	417.9	403.7	389.5	373.3	355.0	340.8	332.7
10°	474.7	474.7	466.6	454.4	436.2	415.9	393.6	371.2	348.9	328.6	320.5
12.5°	507.2	505.1	495.0	476.7	454.4	426.0	395.6	367.2	340.8	316.5	304.3
15°	537.6	537.6	523.4	501.1	468.6	432.1	395.6	359.1	328.6	300.2	288.1
17.5°	572.1	572.1	553.8	519.3	478.8	432.1	389.5	348.9	314.4	284.0	269.8
20°	610.6	608.6	582.2	535.6	482.8	430.1	381.4	336.8	298.2	265.8	253.6
22.5°	639.0	637.0	606.6	549.8	484.9	424.0	367.2	320.5	282.0	249.5	235.3
25°	665.4	661.3	626.9	555.9	480.8	411.8	353.0	302.3	265.8	233.3	219.1
27.5°	681.6	679.6	641.1	553.8	470.7	395.6	334.7	286.0	247.5	215.0	202.9
30°	685.7	687.7	641.1	543.7	454.4	379.4	316.5	267.8	229.2	200.8	186.6
31°	685.7	687.7	637.0	537.6	448.3	371.2	308.4	261.7	221.1	192.7	180.6
32.5°	677.6	673.5	630.9	527.5	434.1	357.0	298.2	251.6	211.0	182.6	172.4
35°	641.1	643.1	610.6	505.1	413.8	336.8	277.9	231.3	192.7	168.4	158.2
37.5°	620.8	620.8	561.9	474.7	391.5	318.5	253.6	209.0	176.5	154.2	144.0
40°	578.2	572.1	517.3	442.3	365.2	296.2	239.4	194.8	162.3	140.0	131.9
42.5°	517.3	511.2	468.6	413.8	330.7	267.8	227.2	172.4	146.1	127.8	119.7
45°	452.4	448.3	415.9	365.2	298.2	241.4	196.8	158.2	133.9	115.6	109.5
47.5°	393.6	387.5	363.1	324.6	269.8	217.1	170.4	142.0	119.7	105.5	101.4
50°	336.8	334.7	314.4	284.0	239.4	188.7	150.1	125.8	109.5	97.4	91.3
52.5°	284.0	280.0	269.8	245.5	209.0	164.3	131.9	111.6	97.4	89.3	85.2
55°	233.3	233.3	223.2	206.9	178.5	140.0	115.6	99.4	87.2	81.1	77.1
57.5°	192.7	192.7	184.6	174.5	148.1	119.7	101.4	87.2	79.1	73.0	69.0
60°	158.2	158.2	152.2	142.0	123.7	101.4	87.2	77.1	71.0	64.9	62.9
62.5°	131.9	129.8	125.8	115.6	101.4	85.2	75.1	66.9	60.9	56.8	54.8
65°	105.5	103.5	99.4	91.3	81.1	71.0	62.9	56.8	52.7	48.7	46.7
67.5°	81.1	81.1	77.1	71.0	62.9	56.8	50.7	46.7	42.6	40.6	38.5
70°	58.8	58.8	56.8	52.7	46.7	42.6	38.5	36.5	34.5	32.5	30.4
72.5°	40.6	40.6	38.5	36.5	32.5	30.4	26.4	26.4	24.3	24.3	22.3
75°	22.3	22.3	22.3	20.3	20.3	18.3	18.3	18.3	16.2	16.2	16.2
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
80°	2.0	2.0	2.0	2.0	4.1	4.1	4.1	4.1	6.1	6.1	6.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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°	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0
2.5°	346.9	340.8	336.8	334.7	328.6	326.6	324.6	322.6	322.6	322.6
5°	338.8	328.6	318.5	312.4	304.3	300.2	296.2	294.2	292.1	292.1
7.5°	324.6	312.4	300.2	290.1	282.0	273.9	269.8	265.8	265.8	263.7
10°	310.4	294.2	280.0	265.8	257.6	247.5	243.4	239.4	237.4	237.4
12.5°	294.2	273.9	257.6	245.5	233.3	225.2	219.1	215.0	213.0	213.0
15°	275.9	255.6	237.4	225.2	213.0	202.9	196.8	192.7	190.7	190.7
17.5°	257.6	237.4	217.1	204.9	192.7	182.6	178.5	174.5	172.4	170.4
20°	241.4	217.1	200.8	184.6	174.5	166.4	160.3	156.2	154.2	154.2
22.5°	223.2	200.8	182.6	170.4	160.3	152.2	144.0	142.0	140.0	140.0
25°	204.9	184.6	168.4	156.2	144.0	137.9	131.9	127.8	127.8	125.8
27.5°	190.7	170.4	154.2	142.0	133.9	125.8	121.7	117.7	115.6	115.6
30°	174.5	156.2	142.0	131.9	121.7	115.6	111.6	107.5	107.5	107.5
31°	170.4	152.2	137.9	125.8	117.7	111.6	107.5	105.5	103.5	103.5
32.5°	160.3	144.0	129.8	119.7	111.6	105.5	101.4	99.4	99.4	97.4
35°	148.1	131.9	119.7	109.5	103.5	97.4	93.3	91.3	91.3	91.3
37.5°	135.9	121.7	109.5	101.4	95.3	89.3	87.2	83.2	83.2	83.2
40°	123.7	111.6	101.4	93.3	87.2	83.2	81.1	79.1	77.1	77.1
42.5°	113.6	101.4	93.3	87.2	81.1	77.1	75.1	73.0	73.0	71.0
45°	103.5	93.3	87.2	81.1	75.1	73.0	71.0	69.0	66.9	66.9
47.5°	95.3	87.2	79.1	75.1	71.0	66.9	64.9	64.9	62.9	62.9
50°	87.2	79.1	73.0	69.0	64.9	62.9	60.9	60.9	58.8	58.8
52.5°	81.1	73.0	69.0	64.9	60.9	58.8	56.8	56.8	54.8	54.8
55°	73.0	66.9	62.9	60.9	56.8	54.8	52.7	50.7	50.7	52.7
57.5°	66.9	62.9	58.8	56.8	52.7	50.7	48.7	48.7	46.7	48.7
60°	60.9	56.8	52.7	50.7	48.7	46.7	44.6	42.6	42.6	42.6
62.5°	54.8	50.7	48.7	44.6	42.6	42.6	40.6	40.6	40.6	38.5
65°	46.7	44.6	42.6	40.6	38.5	36.5	36.5	34.5	34.5	34.5
67.5°	38.5	36.5	34.5	34.5	32.5	30.4	30.4	30.4	30.4	28.4
70°	30.4	28.4	28.4	26.4	26.4	26.4	24.3	24.3	24.3	24.3
72.5°	22.3	22.3	20.3	20.3	20.3	20.3	18.3	18.3	18.3	18.3
75°	16.2	16.2	16.2	14.2	14.2	14.2	12.2	12.2	12.2	12.2
77.5°	10.1	10.1	10.1	10.1	10.1	8.1	8.1	8.1	8.1	8.1
80°	6.1	6.1	6.1	6.1	4.1	4.1	4.1	4.1	4.1	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	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)