

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: P1446086

Luminaire Tested: P3ART17R709040DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446086
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: P3ART17R709040DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

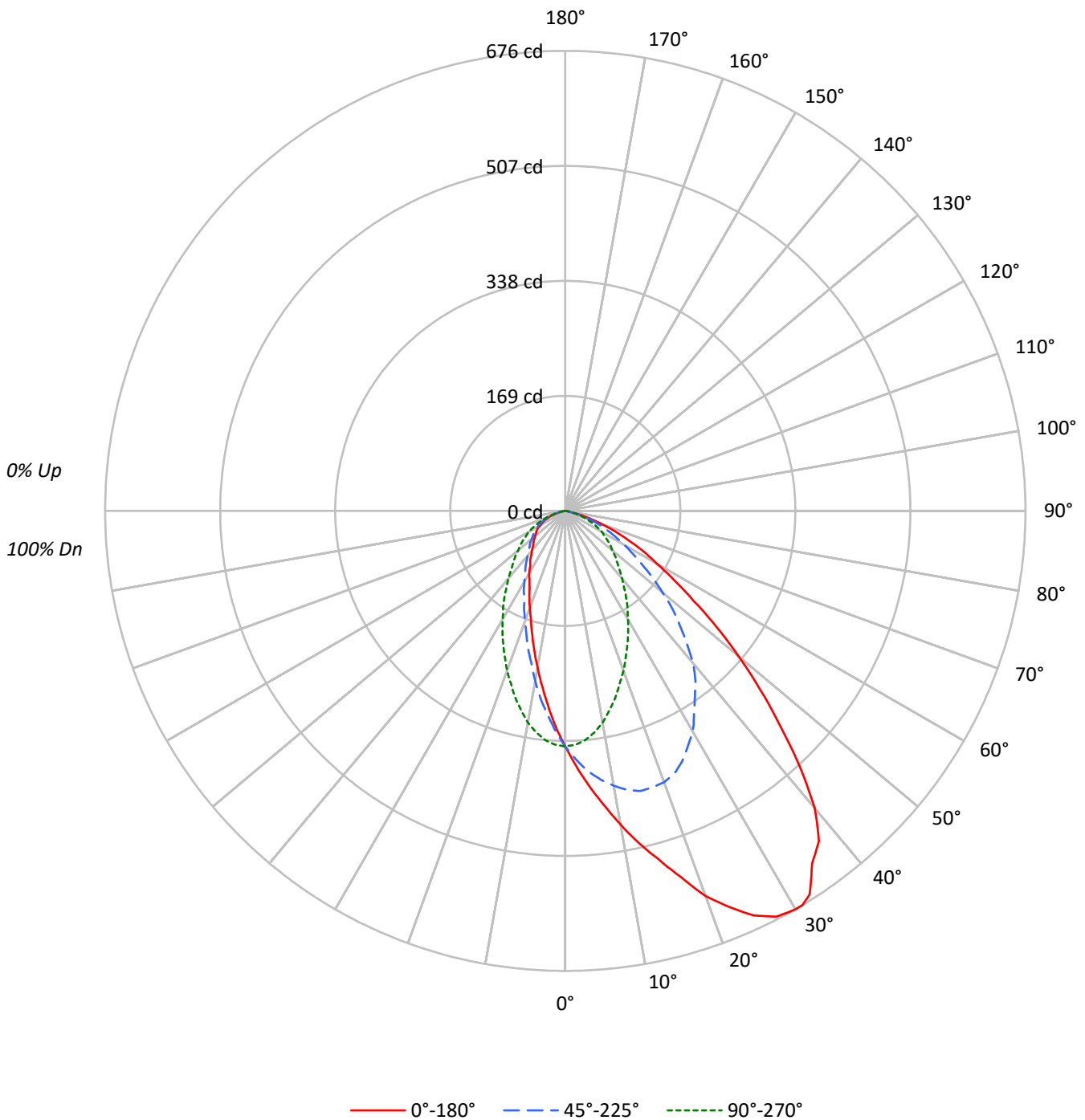
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.0 lumens
Efficiency: N/A
Efficacy: 33.2 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	75871	75871	75871	75871	75871
5°	89390	84547	74400	66035	63394
10°	104229	91314	70362	56557	52103
15°	120341	96732	64473	47673	42679
20°	140502	98965	58338	40137	35470
25°	158743	98256	52261	34357	30002
30°	171191	94698	46589	30384	26840
35°	169208	88874	41760	27305	24092
40°	163191	83585	37213	24618	21755
45°	138340	73806	33492	22948	20467
50°	113259	63452	30703	21833	19786
55°	87930	52758	29055	21409	19880
60°	68416	43856	27191	21051	18420
65°	53962	36320	23868	19717	17641
70°	37186	26928	19234	16669	15387
75°	18639	15250	13556	11861	10167
80°	2526	5051	7577	5051	2526
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 138340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	4.6
10°-20°	90.1	12.8
20°-30°	132.9	18.9
30°-40°	148.9	21.2
40°-50°	130.9	18.6
50°-60°	93.7	13.3
60°-70°	55.5	7.9
70°-80°	18.6	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°	255.4	36.3
0°-40°	404.3	57.4
0°-60°	629.0	89.3
0°-90°	704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	346	346	346	346	346	
5°	406	384	338	300	288	41
15°	530	426	284	210	188	153
25°	656	406	216	142	124	302
35°	632	332	156	102	90	397
45°	446	238	108	74	66	345
55°	230	138	76	56	52	210
65°	104	70	46	38	34	104
75°	22	18	16	14	12	27
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0
2.5°	376.0	376.0	376.0	372.0	372.0	366.0	362.0	356.0	352.0	346.0	344.0
5°	406.1	406.1	402.1	398.1	392.1	384.1	374.0	364.0	352.0	342.0	338.0
7.5°	436.1	438.1	432.1	424.1	412.1	398.1	384.1	368.0	350.0	336.0	328.0
10°	468.1	468.1	460.1	448.1	430.1	410.1	388.1	366.0	344.0	324.0	316.0
12.5°	500.1	498.1	488.1	470.1	448.1	420.1	390.1	362.0	336.0	312.0	300.0
15°	530.1	530.1	516.1	494.1	462.1	426.1	390.1	354.0	324.0	296.0	284.0
17.5°	564.1	564.1	546.1	512.1	472.1	426.1	384.1	344.0	310.0	280.0	266.0
20°	602.1	600.1	574.1	528.1	476.1	424.1	376.0	332.0	294.0	262.0	250.0
22.5°	630.1	628.1	598.1	542.1	478.1	418.1	362.0	316.0	278.0	246.0	232.0
25°	656.1	652.1	618.1	548.1	474.1	406.1	348.0	298.0	262.0	230.0	216.0
27.5°	672.1	670.1	632.1	546.1	464.1	390.1	330.0	282.0	244.0	212.0	200.0
30°	676.1	678.1	632.1	536.1	448.1	374.0	312.0	264.0	226.0	198.0	184.0
31°	676.1	678.1	628.1	530.1	442.1	366.0	304.0	258.0	218.0	190.0	178.0
32.5°	668.1	664.1	622.1	520.1	428.1	352.0	294.0	248.0	208.0	180.0	170.0
35°	632.1	634.1	602.1	498.1	408.1	332.0	274.0	228.0	190.0	166.0	156.0
37.5°	612.1	612.1	554.1	468.1	386.1	314.0	250.0	206.0	174.0	152.0	142.0
40°	570.1	564.1	510.1	436.1	360.0	292.0	236.0	192.0	160.0	138.0	130.0
42.5°	510.1	504.1	462.1	408.1	326.0	264.0	224.0	170.0	144.0	126.0	118.0
45°	446.1	442.1	410.1	360.0	294.0	238.0	194.0	156.0	132.0	114.0	108.0
47.5°	388.1	382.1	358.0	320.0	266.0	214.0	168.0	140.0	118.0	104.0	100.0
50°	332.0	330.0	310.0	280.0	236.0	186.0	148.0	124.0	108.0	96.0	90.0
52.5°	280.0	276.0	266.0	242.0	206.0	162.0	130.0	110.0	96.0	88.0	84.0
55°	230.0	230.0	220.0	204.0	176.0	138.0	114.0	98.0	86.0	80.0	76.0
57.5°	190.0	190.0	182.0	172.0	146.0	118.0	100.0	86.0	78.0	72.0	68.0
60°	156.0	156.0	150.0	140.0	122.0	100.0	86.0	76.0	70.0	64.0	62.0
62.5°	130.0	128.0	124.0	114.0	100.0	84.0	74.0	66.0	60.0	56.0	54.0
65°	104.0	102.0	98.0	90.0	80.0	70.0	62.0	56.0	52.0	48.0	46.0
67.5°	80.0	80.0	76.0	70.0	62.0	56.0	50.0	46.0	42.0	40.0	38.0
70°	58.0	58.0	56.0	52.0	46.0	42.0	38.0	36.0	34.0	32.0	30.0
72.5°	40.0	40.0	38.0	36.0	32.0	30.0	26.0	26.0	24.0	24.0	22.0
75°	22.0	22.0	22.0	20.0	20.0	18.0	18.0	18.0	16.0	16.0	16.0
77.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
80°	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0
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°	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0
2.5°	342.0	336.0	332.0	330.0	324.0	322.0	320.0	318.0	318.0	318.0
5°	334.0	324.0	314.0	308.0	300.0	296.0	292.0	290.0	288.0	288.0
7.5°	320.0	308.0	296.0	286.0	278.0	270.0	266.0	262.0	262.0	260.0
10°	306.0	290.0	276.0	262.0	254.0	244.0	240.0	236.0	234.0	234.0
12.5°	290.0	270.0	254.0	242.0	230.0	222.0	216.0	212.0	210.0	210.0
15°	272.0	252.0	234.0	222.0	210.0	200.0	194.0	190.0	188.0	188.0
17.5°	254.0	234.0	214.0	202.0	190.0	180.0	176.0	172.0	170.0	168.0
20°	238.0	214.0	198.0	182.0	172.0	164.0	158.0	154.0	152.0	152.0
22.5°	220.0	198.0	180.0	168.0	158.0	150.0	142.0	140.0	138.0	138.0
25°	202.0	182.0	166.0	154.0	142.0	136.0	130.0	126.0	126.0	124.0
27.5°	188.0	168.0	152.0	140.0	132.0	124.0	120.0	116.0	114.0	114.0
30°	172.0	154.0	140.0	130.0	120.0	114.0	110.0	106.0	106.0	106.0
31°	168.0	150.0	136.0	124.0	116.0	110.0	106.0	104.0	102.0	102.0
32.5°	158.0	142.0	128.0	118.0	110.0	104.0	100.0	98.0	98.0	96.0
35°	146.0	130.0	118.0	108.0	102.0	96.0	92.0	90.0	90.0	90.0
37.5°	134.0	120.0	108.0	100.0	94.0	88.0	86.0	82.0	82.0	82.0
40°	122.0	110.0	100.0	92.0	86.0	82.0	80.0	78.0	76.0	76.0
42.5°	112.0	100.0	92.0	86.0	80.0	76.0	74.0	72.0	72.0	70.0
45°	102.0	92.0	86.0	80.0	74.0	72.0	70.0	68.0	66.0	66.0
47.5°	94.0	86.0	78.0	74.0	70.0	66.0	64.0	64.0	62.0	62.0
50°	86.0	78.0	72.0	68.0	64.0	62.0	60.0	60.0	58.0	58.0
52.5°	80.0	72.0	68.0	64.0	60.0	58.0	56.0	56.0	54.0	54.0
55°	72.0	66.0	62.0	60.0	56.0	54.0	52.0	50.0	50.0	52.0
57.5°	66.0	62.0	58.0	56.0	52.0	50.0	48.0	48.0	46.0	48.0
60°	60.0	56.0	52.0	50.0	48.0	46.0	44.0	42.0	42.0	42.0
62.5°	54.0	50.0	48.0	44.0	42.0	42.0	40.0	40.0	40.0	38.0
65°	46.0	44.0	42.0	40.0	38.0	36.0	36.0	34.0	34.0	34.0
67.5°	38.0	36.0	34.0	34.0	32.0	30.0	30.0	30.0	30.0	28.0
70°	30.0	28.0	28.0	26.0	26.0	26.0	24.0	24.0	24.0	24.0
72.5°	22.0	22.0	20.0	20.0	20.0	20.0	18.0	18.0	18.0	18.0
75°	16.0	16.0	16.0	14.0	14.0	14.0	12.0	12.0	12.0	12.0
77.5°	10.0	10.0	10.0	10.0	10.0	8.0	8.0	8.0	8.0	8.0
80°	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	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)