

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: P1445566

Luminaire Tested: P3ART17R709024DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445566
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: P3ART17R709024DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

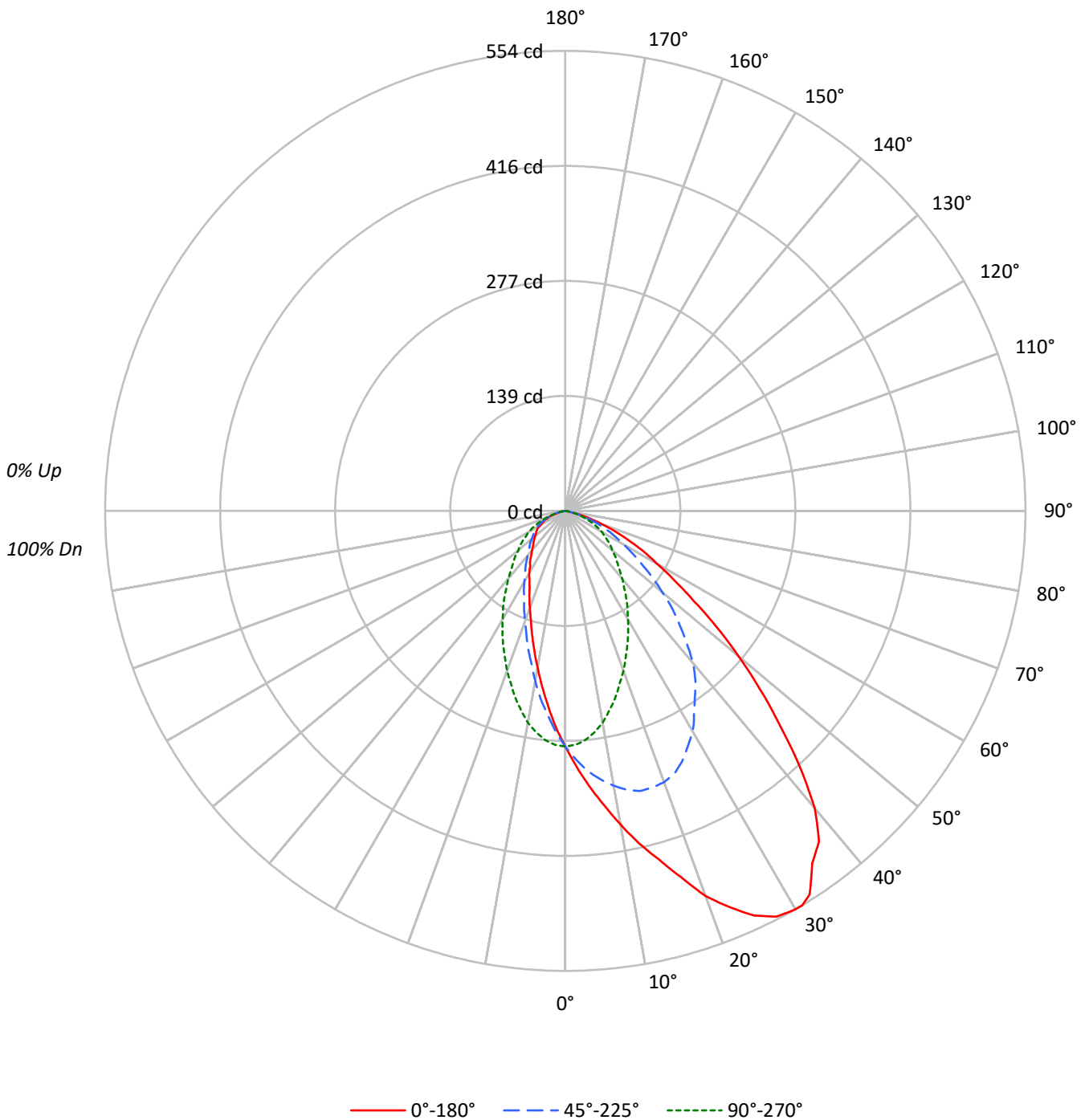
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 27.2 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 (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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62188	62188	62188	62188	62188
5°	73255	69293	60995	54127	51970
10°	85414	74837	57670	46359	42707
15°	98616	79274	52849	39069	34983
20°	115160	81114	47814	32903	29076
25°	130096	80521	42849	28163	24582
30°	140300	77632	38183	24915	22003
35°	138691	72839	34238	22379	19756
40°	133736	68528	30514	20181	17833
45°	113376	60502	27445	18824	16777
50°	92824	52024	25176	17910	16204
55°	72064	43239	23818	17548	16286
60°	56092	35962	22279	17235	15087
65°	44207	29783	19561	16137	14476
70°	30454	22055	15772	13656	12630
75°	15250	12539	11099	9743	8303
80°	2020	4167	6188	4167	2020
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	4.6
10°-20°	73.9	12.8
20°-30°	108.9	18.9
30°-40°	122.1	21.2
40°-50°	107.3	18.6
50°-60°	76.8	13.3
60°-70°	45.5	7.9
70°-80°	15.3	2.6
80°-90°	0.7	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°	209.3	36.3
0°-40°	331.4	57.4
0°-60°	515.5	89.3
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	333	315	277	246	236	33
15°	434	349	233	172	154	125
25°	538	333	177	116	102	247
35°	518	272	128	84	74	325
45°	366	195	88	61	54	283
55°	188	113	62	46	43	172
65°	85	57	38	31	28	85
75°	18	15	13	12	10	22
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°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6
2.5°	308.2	308.2	308.2	304.9	304.9	300.0	296.7	291.8	288.5	283.6	282.0
5°	332.8	332.8	329.5	326.2	321.3	314.8	306.6	298.4	288.5	280.3	277.1
7.5°	357.4	359.0	354.1	347.6	337.7	326.2	314.8	301.7	286.9	275.4	268.9
10°	383.6	383.6	377.1	367.2	352.5	336.1	318.0	300.0	282.0	265.6	259.0
12.5°	409.9	408.2	400.0	385.3	367.2	344.3	319.7	296.7	275.4	255.7	245.9
15°	434.4	434.4	423.0	404.9	378.7	349.2	319.7	290.2	265.6	242.6	232.8
17.5°	462.3	462.3	447.6	419.7	386.9	349.2	314.8	282.0	254.1	229.5	218.0
20°	493.5	491.8	470.5	432.8	390.2	347.6	308.2	272.1	241.0	214.8	204.9
22.5°	516.4	514.8	490.2	444.3	391.8	342.6	296.7	259.0	227.9	201.6	190.2
25°	537.7	534.5	506.6	449.2	388.5	332.8	285.3	244.3	214.8	188.5	177.1
27.5°	550.8	549.2	518.1	447.6	380.3	319.7	270.5	231.2	200.0	173.8	163.9
30°	554.1	555.8	518.1	439.4	367.2	306.6	255.7	216.4	185.3	162.3	150.8
31°	554.1	555.8	514.8	434.4	362.3	300.0	249.2	211.5	178.7	155.7	145.9
32.5°	547.6	544.3	509.9	426.2	350.8	288.5	241.0	203.3	170.5	147.5	139.4
35°	518.1	519.7	493.5	408.2	334.4	272.1	224.6	186.9	155.7	136.1	127.9
37.5°	501.7	501.7	454.1	383.6	316.4	257.4	204.9	168.9	142.6	124.6	116.4
40°	467.2	462.3	418.1	357.4	295.1	239.4	193.5	157.4	131.2	113.1	106.6
42.5°	418.1	413.1	378.7	334.4	267.2	216.4	183.6	139.4	118.0	103.3	96.7
45°	365.6	362.3	336.1	295.1	241.0	195.1	159.0	127.9	108.2	93.4	88.5
47.5°	318.0	313.1	293.5	262.3	218.0	175.4	137.7	114.8	96.7	85.2	82.0
50°	272.1	270.5	254.1	229.5	193.5	152.5	121.3	101.6	88.5	78.7	73.8
52.5°	229.5	226.2	218.0	198.4	168.9	132.8	106.6	90.2	78.7	72.1	68.9
55°	188.5	188.5	180.3	167.2	144.3	113.1	93.4	80.3	70.5	65.6	62.3
57.5°	155.7	155.7	149.2	141.0	119.7	96.7	82.0	70.5	63.9	59.0	55.7
60°	127.9	127.9	123.0	114.8	100.0	82.0	70.5	62.3	57.4	52.5	50.8
62.5°	106.6	104.9	101.6	93.4	82.0	68.9	60.7	54.1	49.2	45.9	44.3
65°	85.2	83.6	80.3	73.8	65.6	57.4	50.8	45.9	42.6	39.3	37.7
67.5°	65.6	65.6	62.3	57.4	50.8	45.9	41.0	37.7	34.4	32.8	31.1
70°	47.5	47.5	45.9	42.6	37.7	34.4	31.1	29.5	27.9	26.2	24.6
72.5°	32.8	32.8	31.1	29.5	26.2	24.6	21.3	21.3	19.7	19.7	18.0
75°	18.0	18.0	18.0	16.4	16.4	14.8	14.8	14.8	13.1	13.1	13.1
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	4.9	4.9	4.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6
2.5°	280.3	275.4	272.1	270.5	265.6	263.9	262.3	260.7	260.7	260.7
5°	273.8	265.6	257.4	252.5	245.9	242.6	239.4	237.7	236.1	236.1
7.5°	262.3	252.5	242.6	234.4	227.9	221.3	218.0	214.8	214.8	213.1
10°	250.8	237.7	226.2	214.8	208.2	200.0	196.7	193.5	191.8	191.8
12.5°	237.7	221.3	208.2	198.4	188.5	182.0	177.1	173.8	172.1	172.1
15°	223.0	206.6	191.8	182.0	172.1	163.9	159.0	155.7	154.1	154.1
17.5°	208.2	191.8	175.4	165.6	155.7	147.5	144.3	141.0	139.4	137.7
20°	195.1	175.4	162.3	149.2	141.0	134.4	129.5	126.2	124.6	124.6
22.5°	180.3	162.3	147.5	137.7	129.5	123.0	116.4	114.8	113.1	113.1
25°	165.6	149.2	136.1	126.2	116.4	111.5	106.6	103.3	103.3	101.6
27.5°	154.1	137.7	124.6	114.8	108.2	101.6	98.4	95.1	93.4	93.4
30°	141.0	126.2	114.8	106.6	98.4	93.4	90.2	86.9	86.9	86.9
31°	137.7	123.0	111.5	101.6	95.1	90.2	86.9	85.2	83.6	83.6
32.5°	129.5	116.4	104.9	96.7	90.2	85.2	82.0	80.3	80.3	78.7
35°	119.7	106.6	96.7	88.5	83.6	78.7	75.4	73.8	73.8	73.8
37.5°	109.8	98.4	88.5	82.0	77.1	72.1	70.5	67.2	67.2	67.2
40°	100.0	90.2	82.0	75.4	70.5	67.2	65.6	63.9	62.3	62.3
42.5°	91.8	82.0	75.4	70.5	65.6	62.3	60.7	59.0	59.0	57.4
45°	83.6	75.4	70.5	65.6	60.7	59.0	57.4	55.7	54.1	54.1
47.5°	77.1	70.5	63.9	60.7	57.4	54.1	52.5	52.5	50.8	50.8
50°	70.5	63.9	59.0	55.7	52.5	50.8	49.2	49.2	47.5	47.5
52.5°	65.6	59.0	55.7	52.5	49.2	47.5	45.9	45.9	44.3	44.3
55°	59.0	54.1	50.8	49.2	45.9	44.3	42.6	41.0	41.0	42.6
57.5°	54.1	50.8	47.5	45.9	42.6	41.0	39.3	39.3	37.7	39.3
60°	49.2	45.9	42.6	41.0	39.3	37.7	36.1	34.4	34.4	34.4
62.5°	44.3	41.0	39.3	36.1	34.4	34.4	32.8	32.8	32.8	31.1
65°	37.7	36.1	34.4	32.8	31.1	29.5	29.5	27.9	27.9	27.9
67.5°	31.1	29.5	27.9	27.9	26.2	24.6	24.6	24.6	24.6	23.0
70°	24.6	23.0	23.0	21.3	21.3	21.3	19.7	19.7	19.7	19.7
72.5°	18.0	18.0	16.4	16.4	16.4	16.4	14.8	14.8	14.8	14.8
75°	13.1	13.1	13.1	11.5	11.5	11.5	9.8	9.8	9.8	9.8
77.5°	8.2	8.2	8.2	8.2	8.2	6.6	6.6	6.6	6.6	6.6
80°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	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)