

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: P1445581

Luminaire Tested: P3ART17R709024DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

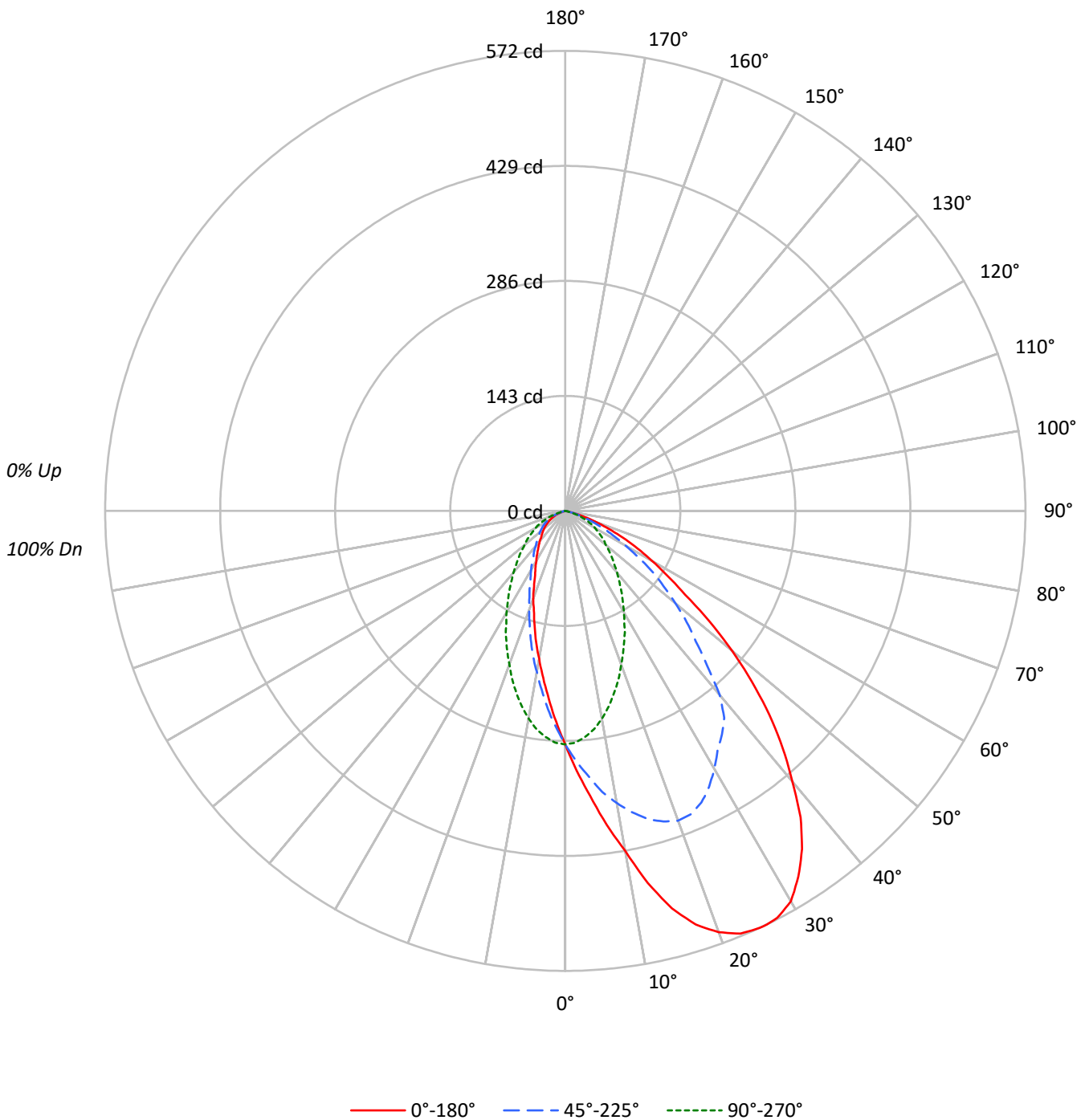
Test Method: LM-79-2019  
Report Number: P1445581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709024DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 578.0 lumens  
Efficiency: N/A  
Efficacy: 27.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	63635	63635	63635	63635	63635
5°	78296	72903	62073	54479	51596
10°	95634	82141	58405	45267	41616
15°	116119	90057	53213	37594	33485
20°	130071	95628	47441	30593	27162
25°	138419	96780	42051	25380	21413
30°	141971	93812	36942	21573	18256
35°	137353	90828	32471	18444	15794
40°	125750	85417	28625	16431	14084
45°	111329	71170	25429	15257	12714
50°	92278	60962	22379	13987	11735
55°	69579	50770	20683	13151	10666
60°	54645	38111	18683	12236	9341
65°	40834	28070	16137	10222	7679
70°	26286	17888	11540	7373	4231
75°	11099	9743	5592	2796	1356
80°	2020	2020	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 111329 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	4.8
10°-20°	79.2	13.7
20°-30°	115.8	20.0
30°-40°	126.2	21.8
40°-50°	109.2	18.9
50°-60°	73.2	12.7
60°-70°	37.8	6.5
70°-80°	8.9	1.5
80°-90°	0.1	0.0
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°	222.6	38.5
0°-40°	348.8	60.3
0°-60°	531.2	91.9
0°-90°	578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	290	290	290	290	290	
5°	356	331	282	248	234	36
15°	512	397	234	166	148	145
25°	572	400	174	105	88	263
35°	513	339	121	69	59	318
45°	359	230	82	49	41	275
55°	182	133	54	34	28	168
65°	79	54	31	20	15	79
75°	13	12	7	3	2	17
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1445581  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2
2.5°	323.0	321.3	321.3	318.0	314.8	311.5	306.6	301.6	296.7	291.8	288.5
5°	355.7	357.4	355.7	349.2	341.0	331.2	321.3	309.8	298.4	288.5	282.0
7.5°	393.4	393.4	388.5	380.3	368.9	352.5	336.1	316.4	298.4	282.0	273.8
10°	429.5	429.5	421.3	408.2	390.2	368.9	345.9	319.7	295.1	272.1	262.3
12.5°	473.8	472.1	462.3	441.0	414.8	383.6	352.5	319.7	290.2	262.3	249.2
15°	511.5	509.8	496.7	470.5	436.1	396.7	354.1	316.4	280.3	249.2	234.4
17.5°	539.3	536.1	521.3	493.4	454.1	404.9	355.7	309.8	268.9	234.4	219.7
20°	557.4	555.7	539.3	506.6	463.9	409.8	354.1	301.6	257.4	219.7	203.3
22.5°	568.9	565.6	549.2	513.1	463.9	408.2	347.5	290.2	242.6	204.9	188.5
25°	572.1	570.5	550.8	511.5	459.0	400.0	337.7	278.7	227.9	190.2	173.8
26°	572.1	570.5	550.8	509.8	455.7	395.1	332.8	273.8	223.0	183.6	168.9
27.5°	570.5	568.9	547.5	504.9	449.2	386.9	323.0	263.9	213.1	175.4	159.0
30°	560.7	557.4	536.1	493.4	434.4	370.5	306.6	249.2	198.4	160.7	145.9
32.5°	539.3	536.1	513.1	473.8	418.0	352.5	288.5	232.8	183.6	145.9	132.8
35°	513.1	509.8	486.9	449.2	395.1	339.3	268.9	214.8	167.2	134.4	121.3
37.5°	480.3	475.4	455.7	416.4	367.2	324.6	252.5	196.7	152.5	121.3	109.8
40°	439.3	437.7	419.7	383.6	334.4	298.4	242.6	196.7	139.3	109.8	100.0
42.5°	400.0	396.7	380.3	349.2	304.9	260.7	213.1	188.5	129.5	98.4	90.2
45°	359.0	355.7	341.0	314.8	273.8	229.5	229.5	162.3	111.5	90.2	82.0
47.5°	314.8	311.5	300.0	280.3	244.3	204.9	167.2	132.8	101.6	80.3	73.8
50°	270.5	272.1	262.3	242.6	214.8	178.7	144.3	111.5	86.9	72.1	65.6
52.5°	226.2	224.6	218.0	204.9	185.2	154.1	123.0	95.1	75.4	63.9	60.7
55°	182.0	183.6	180.3	172.1	155.7	132.8	103.3	82.0	67.2	57.4	54.1
57.5°	150.8	152.5	145.9	141.0	127.9	108.2	85.2	68.9	57.4	50.8	47.5
60°	124.6	126.2	121.3	114.8	104.9	86.9	68.9	57.4	50.8	45.9	42.6
62.5°	101.6	100.0	96.7	90.2	82.0	68.9	55.7	47.5	42.6	39.3	37.7
65°	78.7	78.7	75.4	70.5	63.9	54.1	44.3	39.3	36.1	32.8	31.1
67.5°	59.0	59.0	55.7	52.5	45.9	39.3	34.4	31.1	29.5	26.2	24.6
70°	41.0	41.0	39.3	37.7	32.8	27.9	26.2	23.0	21.3	19.7	18.0
72.5°	26.2	26.2	26.2	23.0	21.3	18.0	18.0	16.4	14.8	13.1	13.1
75°	13.1	14.8	13.1	13.1	11.5	11.5	9.8	9.8	8.2	8.2	6.6
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2
2.5°	285.2	280.3	277.1	272.1	268.9	265.6	263.9	262.3	262.3	262.3
5°	277.1	268.9	260.7	252.5	247.5	242.6	237.7	236.1	234.4	234.4
7.5°	267.2	254.1	242.6	232.8	224.6	219.7	214.8	211.5	209.8	209.8
10°	254.1	237.7	224.6	211.5	203.3	196.7	193.4	188.5	188.5	186.9
12.5°	239.3	219.7	204.9	193.4	185.2	177.1	172.1	168.9	167.2	167.2
15°	223.0	203.3	186.9	173.8	165.6	157.4	152.5	149.2	147.5	147.5
17.5°	206.6	185.2	168.9	155.7	147.5	139.3	134.4	131.1	131.1	129.5
20°	190.2	168.9	152.5	139.3	131.1	124.6	119.7	116.4	114.8	116.4
22.5°	175.4	154.1	137.7	126.2	116.4	109.8	104.9	103.3	101.6	101.6
25°	159.0	139.3	124.6	113.1	104.9	98.4	93.4	91.8	90.2	88.5
26°	154.1	134.4	119.7	108.2	100.0	93.4	90.2	86.9	85.2	85.2
27.5°	147.5	126.2	113.1	101.6	93.4	88.5	83.6	82.0	80.3	80.3
30°	132.8	114.8	101.6	91.8	85.2	78.7	75.4	73.8	72.1	72.1
32.5°	121.3	103.3	91.8	83.6	77.0	72.1	68.9	65.6	65.6	65.6
35°	109.8	93.4	83.6	75.4	68.9	63.9	62.3	60.7	59.0	59.0
37.5°	100.0	85.2	75.4	68.9	63.9	59.0	55.7	54.1	54.1	54.1
40°	90.2	78.7	68.9	62.3	57.4	54.1	50.8	49.2	49.2	49.2
42.5°	82.0	70.5	63.9	57.4	52.5	49.2	47.5	45.9	44.3	44.3
45°	75.4	65.6	57.4	52.5	49.2	45.9	42.6	41.0	41.0	41.0
47.5°	67.2	60.7	52.5	47.5	44.3	41.0	39.3	37.7	37.7	37.7
50°	62.3	55.7	49.2	44.3	41.0	37.7	36.1	34.4	34.4	34.4
52.5°	55.7	50.8	45.9	41.0	37.7	34.4	32.8	31.1	31.1	31.1
55°	50.8	45.9	41.0	37.7	34.4	31.1	29.5	27.9	27.9	27.9
57.5°	45.9	41.0	37.7	34.4	31.1	29.5	26.2	26.2	24.6	24.6
60°	41.0	36.1	32.8	31.1	27.9	26.2	23.0	21.3	21.3	21.3
62.5°	34.4	32.8	29.5	26.2	23.0	21.3	19.7	18.0	18.0	18.0
65°	29.5	27.9	24.6	21.3	19.7	18.0	16.4	14.8	14.8	14.8
67.5°	24.6	21.3	19.7	18.0	16.4	14.8	13.1	11.5	9.8	11.5
70°	18.0	16.4	14.8	13.1	11.5	9.8	8.2	8.2	6.6	6.6
72.5°	11.5	9.8	9.8	8.2	6.6	6.6	4.9	4.9	3.3	3.3
75°	6.6	6.6	4.9	4.9	3.3	3.3	1.6	1.6	1.6	1.6
77.5°	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)