

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: P1446101

Luminaire Tested: P3ART17R709040DE010 E3LSWW1MW

Issue Date: 5/8/2026

**Test Information**

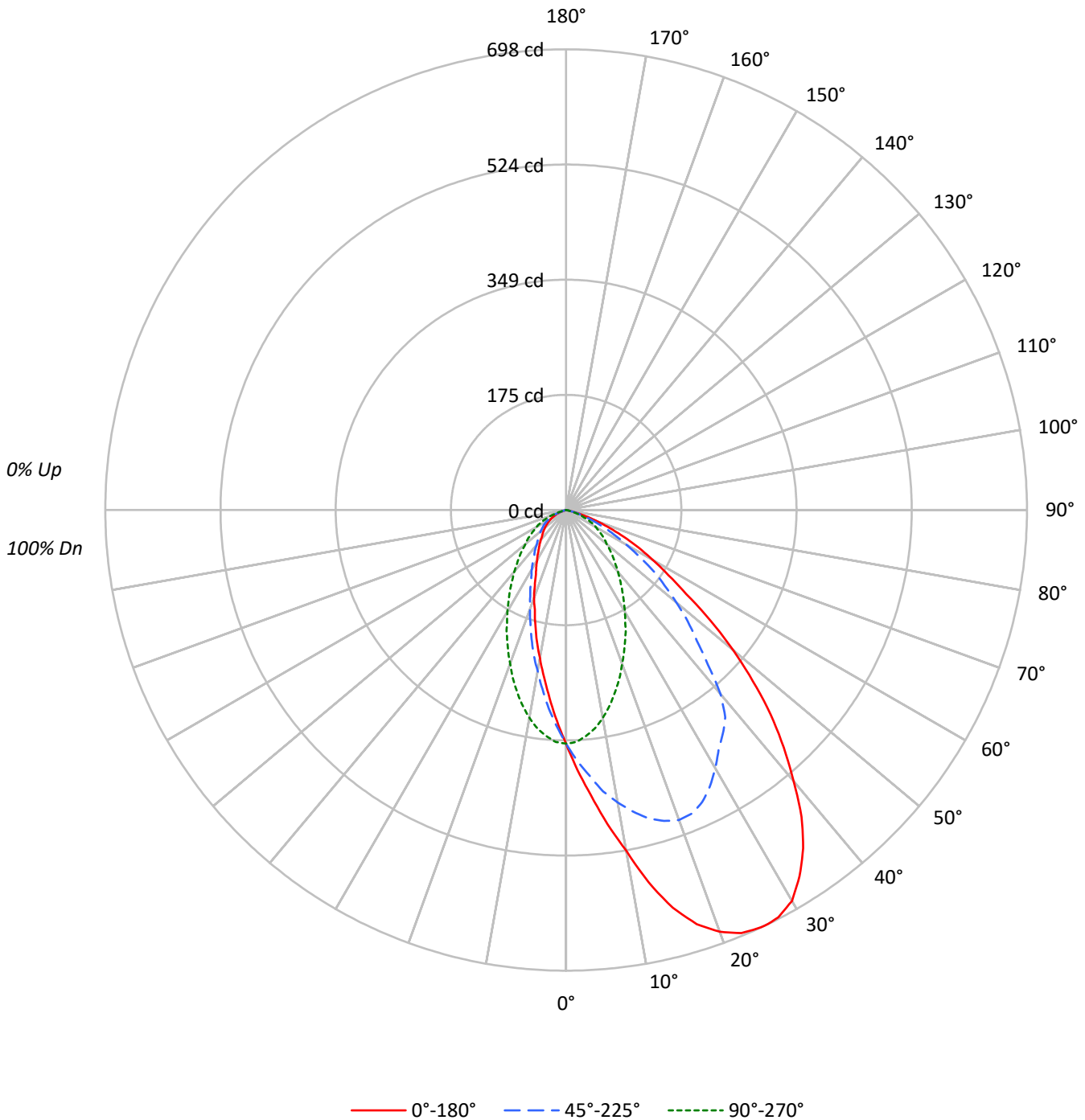
Test Method: LM-79-2019  
Report Number: P1446101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709040DE010 E3LSWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LSWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 705.0 lumens  
Efficiency: N/A  
Efficacy: 33.3 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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

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

	0°	45°	90°	135°	180°
0°	77603	77603	77603	77603	77603
5°	95509	88906	75699	66454	62932
10°	116653	100176	71230	55198	50767
15°	141635	109853	64904	45857	40863
20°	158657	116653	57848	37337	33136
25°	168832	118047	51293	30970	26131
30°	173166	114423	45070	26333	22282
35°	167549	110798	39618	22486	19274
40°	153402	104167	34923	20038	17175
45°	135797	86800	31011	18607	15505
50°	112542	74369	27291	17057	14328
55°	84872	61933	25232	16057	12998
60°	66661	46488	22805	14911	11403
65°	49811	34245	19717	12453	9340
70°	32057	21799	14105	8976	5129
75°	13556	11861	6778	3389	1694
80°	2526	2526	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 135797 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	4.8
10°-20°	96.6	13.7
20°-30°	141.3	20.0
30°-40°	154.0	21.8
40°-50°	133.2	18.9
50°-60°	89.3	12.7
60°-70°	46.1	6.5
70°-80°	10.9	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°	271.5	38.5
0°-40°	425.5	60.3
0°-60°	647.9	91.9
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	354	354	354	354	354	
5°	434	404	344	302	286	44
15°	624	484	286	202	180	177
25°	698	488	212	128	108	321
35°	626	414	148	84	72	388
45°	438	280	100	60	50	335
55°	222	162	66	42	34	205
65°	96	66	38	24	18	97
75°	16	14	8	4	2	21
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°	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9
2.5°	393.9	391.9	391.9	387.9	383.9	379.9	373.9	367.9	361.9	355.9	351.9
5°	433.9	435.9	433.9	425.9	415.9	403.9	391.9	377.9	363.9	351.9	343.9
7.5°	479.9	479.9	473.9	463.9	449.9	429.9	409.9	385.9	363.9	343.9	333.9
10°	523.9	523.9	513.9	497.9	475.9	449.9	421.9	389.9	359.9	331.9	319.9
12.5°	577.9	575.9	563.9	537.9	505.9	467.9	429.9	389.9	353.9	319.9	303.9
15°	623.9	621.9	605.9	573.9	531.9	483.9	431.9	385.9	341.9	303.9	285.9
17.5°	657.9	653.9	635.9	601.9	553.9	493.9	433.9	377.9	327.9	285.9	267.9
20°	679.9	677.9	657.9	617.9	565.9	499.9	431.9	367.9	313.9	267.9	247.9
22.5°	693.8	689.8	669.9	625.9	565.9	497.9	423.9	353.9	295.9	249.9	229.9
25°	697.8	695.8	671.9	623.9	559.9	487.9	411.9	339.9	277.9	231.9	212.0
26°	697.8	695.8	671.9	621.9	555.9	481.9	405.9	333.9	271.9	224.0	206.0
27.5°	695.8	693.8	667.9	615.9	547.9	471.9	393.9	321.9	259.9	214.0	194.0
30°	683.9	679.9	653.9	601.9	529.9	451.9	373.9	303.9	241.9	196.0	178.0
32.5°	657.9	653.9	625.9	577.9	509.9	429.9	351.9	283.9	224.0	178.0	162.0
35°	625.9	621.9	593.9	547.9	481.9	413.9	327.9	261.9	204.0	164.0	148.0
37.5°	585.9	579.9	555.9	507.9	447.9	395.9	307.9	239.9	186.0	148.0	134.0
40°	535.9	533.9	511.9	467.9	407.9	363.9	295.9	239.9	170.0	134.0	122.0
42.5°	487.9	483.9	463.9	425.9	371.9	317.9	259.9	229.9	158.0	120.0	110.0
45°	437.9	433.9	415.9	383.9	333.9	279.9	279.9	198.0	136.0	110.0	100.0
47.5°	383.9	379.9	365.9	341.9	297.9	249.9	204.0	162.0	124.0	98.0	90.0
50°	329.9	331.9	319.9	295.9	261.9	218.0	176.0	136.0	106.0	88.0	80.0
52.5°	275.9	273.9	265.9	249.9	226.0	188.0	150.0	116.0	92.0	78.0	74.0
55°	222.0	224.0	220.0	210.0	190.0	162.0	126.0	100.0	82.0	70.0	66.0
57.5°	184.0	186.0	178.0	172.0	156.0	132.0	104.0	84.0	70.0	62.0	58.0
60°	152.0	154.0	148.0	140.0	128.0	106.0	84.0	70.0	62.0	56.0	52.0
62.5°	124.0	122.0	118.0	110.0	100.0	84.0	68.0	58.0	52.0	48.0	46.0
65°	96.0	96.0	92.0	86.0	78.0	66.0	54.0	48.0	44.0	40.0	38.0
67.5°	72.0	72.0	68.0	64.0	56.0	48.0	42.0	38.0	36.0	32.0	30.0
70°	50.0	50.0	48.0	46.0	40.0	34.0	32.0	28.0	26.0	24.0	22.0
72.5°	32.0	32.0	32.0	28.0	26.0	22.0	22.0	20.0	18.0	16.0	16.0
75°	16.0	18.0	16.0	16.0	14.0	14.0	12.0	12.0	10.0	10.0	8.0
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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	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°	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9	353.9
2.5°	347.9	341.9	337.9	331.9	327.9	323.9	321.9	319.9	319.9	319.9
5°	337.9	327.9	317.9	307.9	301.9	295.9	289.9	287.9	285.9	285.9
7.5°	325.9	309.9	295.9	283.9	273.9	267.9	261.9	257.9	255.9	255.9
10°	309.9	289.9	273.9	257.9	247.9	239.9	235.9	229.9	229.9	228.0
12.5°	291.9	267.9	249.9	235.9	226.0	216.0	210.0	206.0	204.0	204.0
15°	271.9	247.9	228.0	212.0	202.0	192.0	186.0	182.0	180.0	180.0
17.5°	251.9	226.0	206.0	190.0	180.0	170.0	164.0	160.0	160.0	158.0
20°	231.9	206.0	186.0	170.0	160.0	152.0	146.0	142.0	140.0	142.0
22.5°	214.0	188.0	168.0	154.0	142.0	134.0	128.0	126.0	124.0	124.0
25°	194.0	170.0	152.0	138.0	128.0	120.0	114.0	112.0	110.0	108.0
26°	188.0	164.0	146.0	132.0	122.0	114.0	110.0	106.0	104.0	104.0
27.5°	180.0	154.0	138.0	124.0	114.0	108.0	102.0	100.0	98.0	98.0
30°	162.0	140.0	124.0	112.0	104.0	96.0	92.0	90.0	88.0	88.0
32.5°	148.0	126.0	112.0	102.0	94.0	88.0	84.0	80.0	80.0	80.0
35°	134.0	114.0	102.0	92.0	84.0	78.0	76.0	74.0	72.0	72.0
37.5°	122.0	104.0	92.0	84.0	78.0	72.0	68.0	66.0	66.0	66.0
40°	110.0	96.0	84.0	76.0	70.0	66.0	62.0	60.0	60.0	60.0
42.5°	100.0	86.0	78.0	70.0	64.0	60.0	58.0	56.0	54.0	54.0
45°	92.0	80.0	70.0	64.0	60.0	56.0	52.0	50.0	50.0	50.0
47.5°	82.0	74.0	64.0	58.0	54.0	50.0	48.0	46.0	46.0	46.0
50°	76.0	68.0	60.0	54.0	50.0	46.0	44.0	42.0	42.0	42.0
52.5°	68.0	62.0	56.0	50.0	46.0	42.0	40.0	38.0	38.0	38.0
55°	62.0	56.0	50.0	46.0	42.0	38.0	36.0	34.0	34.0	34.0
57.5°	56.0	50.0	46.0	42.0	38.0	36.0	32.0	32.0	30.0	30.0
60°	50.0	44.0	40.0	38.0	34.0	32.0	28.0	26.0	26.0	26.0
62.5°	42.0	40.0	36.0	32.0	28.0	26.0	24.0	22.0	22.0	22.0
65°	36.0	34.0	30.0	26.0	24.0	22.0	20.0	18.0	18.0	18.0
67.5°	30.0	26.0	24.0	22.0	20.0	18.0	16.0	14.0	12.0	14.0
70°	22.0	20.0	18.0	16.0	14.0	12.0	10.0	10.0	8.0	8.0
72.5°	14.0	12.0	12.0	10.0	8.0	8.0	6.0	6.0	4.0	4.0
75°	8.0	8.0	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0
77.5°	4.0	2.0	2.0	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)