

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: P1445621

Luminaire Tested: P3ART05R709024DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

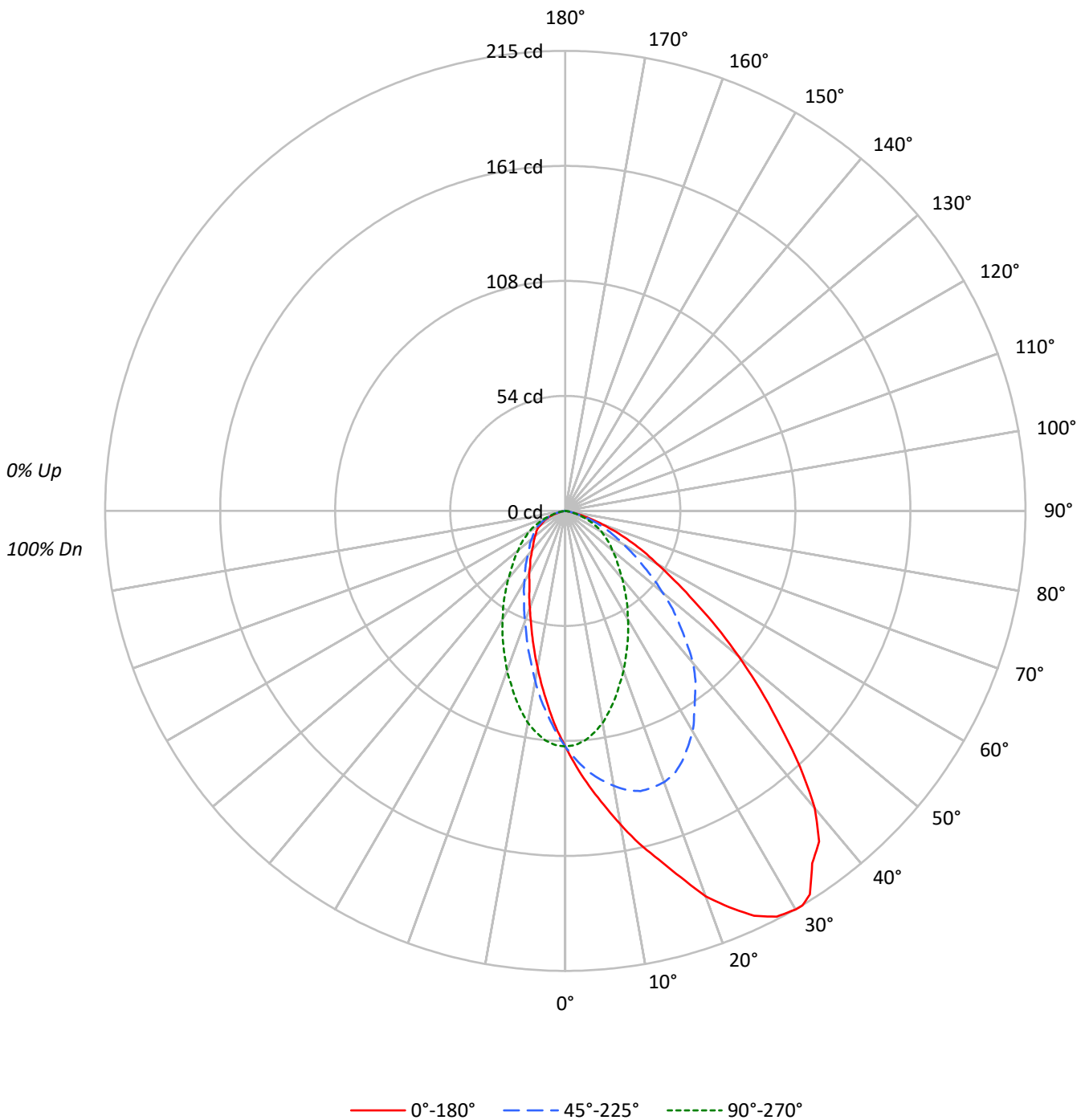
Test Method: LM-79-2019  
Report Number: P1445621  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709024DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 224.0 lumens  
Efficiency: N/A  
Efficacy: 31.1 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): 7.2  
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°	24143	24143	24143	24143	24143
5°	28439	26898	23685	21021	20163
10°	33155	29058	22400	17991	16588
15°	38298	30783	20522	15165	13576
20°	44711	31479	18575	12764	11294
25°	50519	31260	16622	10936	9557
30°	54464	30131	14838	9672	8533
35°	53833	28295	13278	8700	7656
40°	51926	26593	11851	7843	6927
45°	44005	23475	10668	7288	6512
50°	36059	20195	9757	6959	6311
55°	27985	16783	9252	6805	6308
60°	21753	13946	8640	6710	5877
65°	17174	11571	7575	6278	5604
70°	11861	8591	6091	5321	4873
75°	5931	4829	4321	3813	3219
80°	758	1642	2399	1642	758
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44005 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	4.6
10°-20°	28.7	12.8
20°-30°	42.3	18.9
30°-40°	47.4	21.2
40°-50°	41.7	18.6
50°-60°	29.8	13.3
60°-70°	17.7	7.9
70°-80°	5.9	2.6
80°-90°	0.3	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
<b>0°-30°</b>	<b>81.3</b>	<b>36.3</b>
<b>0°-40°</b>	<b>128.7</b>	<b>57.4</b>
<b>0°-60°</b>	<b>200.1</b>	<b>89.3</b>
<b>0°-90°</b>	<b>224.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>224.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	110	110	110	110	110	
5°	129	122	108	96	92	13
15°	169	136	90	67	60	49
25°	209	129	69	45	40	96
35°	201	106	50	32	29	126
45°	142	76	34	24	21	110
55°	73	44	24	18	16	67
65°	33	22	15	12	11	33
75°	7	6	5	4	4	9
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°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
2.5°	119.7	119.7	119.7	118.4	118.4	116.5	115.2	113.3	112.0	110.1	109.5
5°	129.2	129.2	127.9	126.7	124.7	122.2	119.0	115.8	112.0	108.8	107.6
7.5°	138.7	139.4	137.5	134.9	131.1	126.7	122.2	117.1	111.4	106.9	104.4
10°	148.9	148.9	146.4	142.6	136.8	130.5	123.5	116.5	109.5	103.1	100.6
12.5°	159.1	158.5	155.3	149.6	142.6	133.7	124.1	115.2	106.9	99.3	95.5
15°	168.7	168.7	164.2	157.2	147.0	135.6	124.1	112.7	103.1	94.2	90.4
17.5°	179.5	179.5	173.8	162.9	150.2	135.6	122.2	109.5	98.6	89.1	84.6
20°	191.6	190.9	182.7	168.0	151.5	134.9	119.7	105.7	93.6	83.4	79.6
22.5°	200.5	199.8	190.3	172.5	152.1	133.0	115.2	100.6	88.5	78.3	73.8
25°	208.8	207.5	196.7	174.4	150.8	129.2	110.7	94.8	83.4	73.2	68.7
27.5°	213.8	213.2	201.1	173.8	147.7	124.1	105.0	89.7	77.6	67.5	63.6
30°	215.1	215.8	201.1	170.6	142.6	119.0	99.3	84.0	71.9	63.0	58.6
31°	215.1	215.8	199.8	168.7	140.7	116.5	96.7	82.1	69.4	60.5	56.6
32.5°	212.6	211.3	197.9	165.5	136.2	112.0	93.6	78.9	66.2	57.3	54.1
35°	201.1	201.8	191.6	158.5	129.8	105.7	87.2	72.6	60.5	52.8	49.6
37.5°	194.8	194.8	176.3	148.9	122.8	99.9	79.6	65.6	55.4	48.4	45.2
40°	181.4	179.5	162.3	138.7	114.6	92.9	75.1	61.1	50.9	43.9	41.4
42.5°	162.3	160.4	147.0	129.8	103.7	84.0	71.3	54.1	45.8	40.1	37.6
45°	141.9	140.7	130.5	114.6	93.6	75.7	61.7	49.6	42.0	36.3	34.4
47.5°	123.5	121.6	113.9	101.8	84.6	68.1	53.5	44.6	37.6	33.1	31.8
50°	105.7	105.0	98.6	89.1	75.1	59.2	47.1	39.5	34.4	30.5	28.6
52.5°	89.1	87.8	84.6	77.0	65.6	51.6	41.4	35.0	30.5	28.0	26.7
55°	73.2	73.2	70.0	64.9	56.0	43.9	36.3	31.2	27.4	25.5	24.2
57.5°	60.5	60.5	57.9	54.7	46.5	37.6	31.8	27.4	24.8	22.9	21.6
60°	49.6	49.6	47.7	44.6	38.8	31.8	27.4	24.2	22.3	20.4	19.7
62.5°	41.4	40.7	39.5	36.3	31.8	26.7	23.5	21.0	19.1	17.8	17.2
65°	33.1	32.5	31.2	28.6	25.5	22.3	19.7	17.8	16.5	15.3	14.6
67.5°	25.5	25.5	24.2	22.3	19.7	17.8	15.9	14.6	13.4	12.7	12.1
70°	18.5	18.5	17.8	16.5	14.6	13.4	12.1	11.5	10.8	10.2	9.5
72.5°	12.7	12.7	12.1	11.5	10.2	9.5	8.3	8.3	7.6	7.6	7.0
75°	7.0	7.0	7.0	6.4	6.4	5.7	5.7	5.7	5.1	5.1	5.1
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.9	1.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.1
2.5°	108.8	106.9	105.7	105.0	103.1	102.5	101.8	101.2	101.2	101.2
5°	106.3	103.1	99.9	98.0	95.5	94.2	92.9	92.3	91.6	91.6
7.5°	101.8	98.0	94.2	91.0	88.5	85.9	84.6	83.4	83.4	82.7
10°	97.4	92.3	87.8	83.4	80.8	77.6	76.4	75.1	74.5	74.5
12.5°	92.3	85.9	80.8	77.0	73.2	70.6	68.7	67.5	66.8	66.8
15°	86.6	80.2	74.5	70.6	66.8	63.6	61.7	60.5	59.8	59.8
17.5°	80.8	74.5	68.1	64.3	60.5	57.3	56.0	54.7	54.1	53.5
20°	75.7	68.1	63.0	57.9	54.7	52.2	50.3	49.0	48.4	48.4
22.5°	70.0	63.0	57.3	53.5	50.3	47.7	45.2	44.6	43.9	43.9
25°	64.3	57.9	52.8	49.0	45.2	43.3	41.4	40.1	40.1	39.5
27.5°	59.8	53.5	48.4	44.6	42.0	39.5	38.2	36.9	36.3	36.3
30°	54.7	49.0	44.6	41.4	38.2	36.3	35.0	33.7	33.7	33.7
31°	53.5	47.7	43.3	39.5	36.9	35.0	33.7	33.1	32.5	32.5
32.5°	50.3	45.2	40.7	37.6	35.0	33.1	31.8	31.2	31.2	30.5
35°	46.5	41.4	37.6	34.4	32.5	30.5	29.3	28.6	28.6	28.6
37.5°	42.6	38.2	34.4	31.8	29.9	28.0	27.4	26.1	26.1	26.1
40°	38.8	35.0	31.8	29.3	27.4	26.1	25.5	24.8	24.2	24.2
42.5°	35.6	31.8	29.3	27.4	25.5	24.2	23.5	22.9	22.9	22.3
45°	32.5	29.3	27.4	25.5	23.5	22.9	22.3	21.6	21.0	21.0
47.5°	29.9	27.4	24.8	23.5	22.3	21.0	20.4	20.4	19.7	19.7
50°	27.4	24.8	22.9	21.6	20.4	19.7	19.1	19.1	18.5	18.5
52.5°	25.5	22.9	21.6	20.4	19.1	18.5	17.8	17.8	17.2	17.2
55°	22.9	21.0	19.7	19.1	17.8	17.2	16.5	15.9	15.9	16.5
57.5°	21.0	19.7	18.5	17.8	16.5	15.9	15.3	15.3	14.6	15.3
60°	19.1	17.8	16.5	15.9	15.3	14.6	14.0	13.4	13.4	13.4
62.5°	17.2	15.9	15.3	14.0	13.4	13.4	12.7	12.7	12.7	12.1
65°	14.6	14.0	13.4	12.7	12.1	11.5	11.5	10.8	10.8	10.8
67.5°	12.1	11.5	10.8	10.8	10.2	9.5	9.5	9.5	9.5	8.9
70°	9.5	8.9	8.9	8.3	8.3	8.3	7.6	7.6	7.6	7.6
72.5°	7.0	7.0	6.4	6.4	6.4	6.4	5.7	5.7	5.7	5.7
75°	5.1	5.1	5.1	4.5	4.5	4.5	3.8	3.8	3.8	3.8
77.5°	3.2	3.2	3.2	3.2	3.2	2.5	2.5	2.5	2.5	2.5
80°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)