

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: P1446141

Luminaire Tested: P3ART05R709040DE010 E3LCWW1WMH

Issue Date: 5/8/2026

**Test Information**

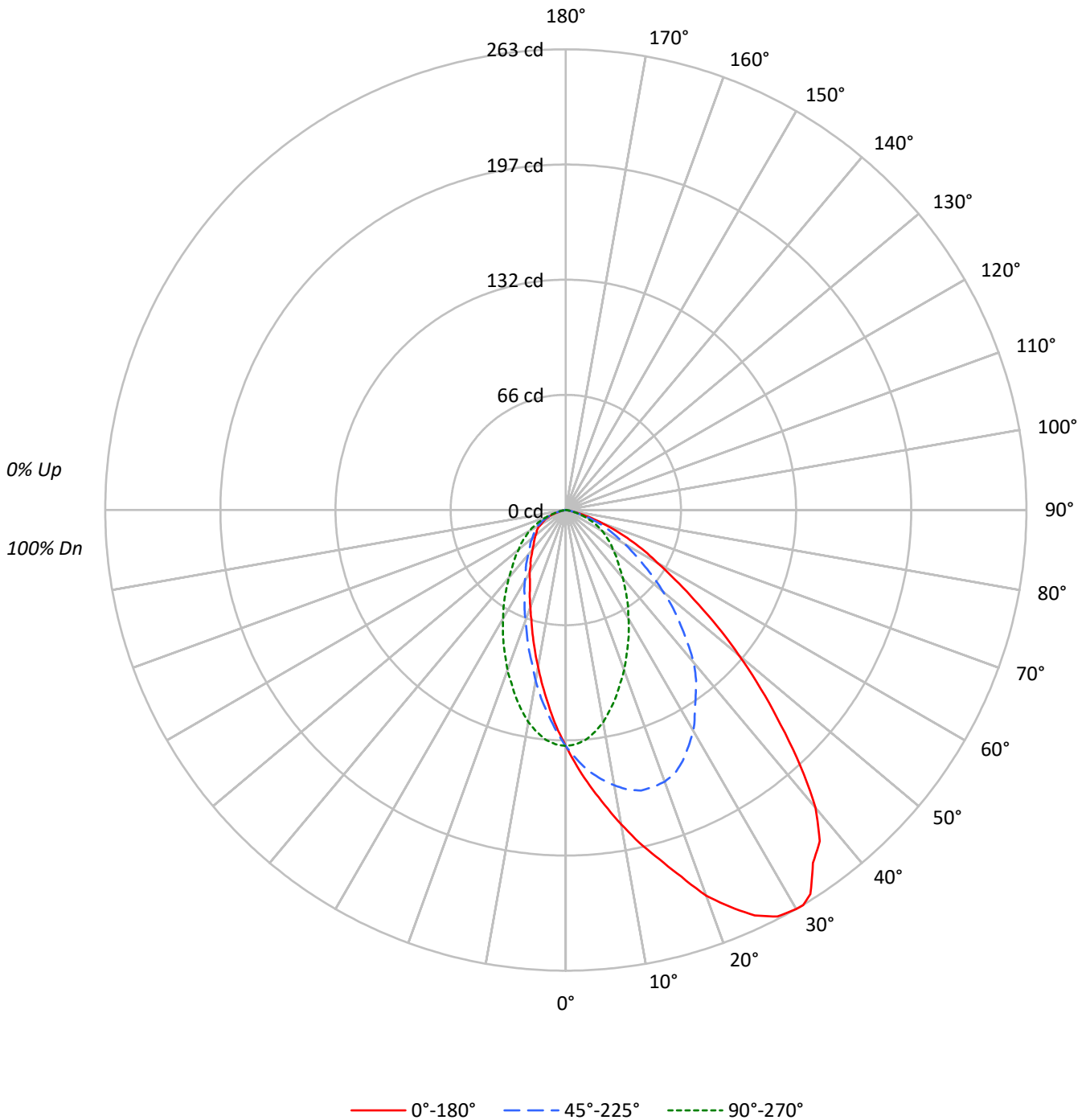
Test Method: LM-79-2019  
Report Number: P1446141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709040DE010 E3LCWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LCWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 274.0 lumens  
Efficiency: N/A  
Efficacy: 38.1 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°	29537	29537	29537	29537	29537
5°	34779	32908	28968	25710	24675
10°	40569	35537	27388	22021	20285
15°	46833	37639	25085	18547	16618
20°	54675	38503	22705	15635	13815
25°	61794	38228	20348	13380	11686
30°	66618	36866	18129	11825	10457
35°	65852	34586	16249	10627	9369
40°	63519	32547	14484	9589	8473
45°	53835	28716	13025	8931	7970
50°	44075	24699	11940	8494	7710
55°	34216	20530	11316	8334	7723
60°	26621	17060	10569	8201	7149
65°	21014	14113	9288	7679	6849
70°	14490	10450	7501	6475	5963
75°	7286	5931	5253	4575	3982
80°	1010	2020	2904	2020	1010
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 53835 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	4.6
10°-20°	35.1	12.8
20°-30°	51.7	18.9
30°-40°	58.0	21.2
40°-50°	51.0	18.6
50°-60°	36.5	13.3
60°-70°	21.6	7.9
70°-80°	7.2	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>99.4</b>	<b>36.3</b>
<b>0°-40°</b>	<b>157.4</b>	<b>57.4</b>
<b>0°-60°</b>	<b>244.8</b>	<b>89.3</b>
<b>0°-90°</b>	<b>274.0</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>274.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	135	135	135	135	135	
5°	158	150	132	117	112	16
15°	206	166	110	82	73	59
25°	255	158	84	55	48	117
35°	246	129	61	40	35	155
45°	174	93	42	29	26	134
55°	90	54	30	22	20	82
65°	40	27	18	15	13	40
75°	9	7	6	5	5	10
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°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	146.4	146.4	146.4	144.8	144.8	142.5	140.9	138.6	137.0	134.7	133.9
5°	158.0	158.0	156.5	154.9	152.6	149.5	145.6	141.7	137.0	133.1	131.6
7.5°	169.7	170.5	168.2	165.0	160.4	154.9	149.5	143.2	136.2	130.8	127.7
10°	182.2	182.2	179.1	174.4	167.4	159.6	151.0	142.5	133.9	126.1	123.0
12.5°	194.6	193.8	190.0	183.0	174.4	163.5	151.8	140.9	130.8	121.4	116.8
15°	206.3	206.3	200.9	192.3	179.8	165.8	151.8	137.8	126.1	115.2	110.5
17.5°	219.5	219.5	212.5	199.3	183.7	165.8	149.5	133.9	120.7	109.0	103.5
20°	234.3	233.6	223.4	205.5	185.3	165.0	146.4	129.2	114.4	102.0	97.3
22.5°	245.2	244.5	232.8	211.0	186.1	162.7	140.9	123.0	108.2	95.8	90.3
25°	255.4	253.8	240.6	213.3	184.5	158.0	135.5	116.0	102.0	89.5	84.1
27.5°	261.6	260.8	246.0	212.5	180.6	151.8	128.5	109.8	95.0	82.5	77.9
30°	263.1	263.9	246.0	208.6	174.4	145.6	121.4	102.8	88.0	77.1	71.6
31°	263.1	263.9	244.5	206.3	172.1	142.5	118.3	100.4	84.9	74.0	69.3
32.5°	260.0	258.5	242.1	202.4	166.6	137.0	114.4	96.5	81.0	70.1	66.2
35°	246.0	246.8	234.3	193.8	158.8	129.2	106.7	88.8	74.0	64.6	60.7
37.5°	238.2	238.2	215.6	182.2	150.3	122.2	97.3	80.2	67.7	59.2	55.3
40°	221.9	219.5	198.5	169.7	140.1	113.7	91.9	74.7	62.3	53.7	50.6
42.5°	198.5	196.2	179.8	158.8	126.9	102.8	87.2	66.2	56.1	49.0	45.9
45°	173.6	172.1	159.6	140.1	114.4	92.6	75.5	60.7	51.4	44.4	42.0
47.5°	151.0	148.7	139.4	124.6	103.5	83.3	65.4	54.5	45.9	40.5	38.9
50°	129.2	128.5	120.7	109.0	91.9	72.4	57.6	48.3	42.0	37.4	35.0
52.5°	109.0	107.4	103.5	94.2	80.2	63.1	50.6	42.8	37.4	34.3	32.7
55°	89.5	89.5	85.6	79.4	68.5	53.7	44.4	38.1	33.5	31.1	29.6
57.5°	74.0	74.0	70.8	67.0	56.8	45.9	38.9	33.5	30.4	28.0	26.5
60°	60.7	60.7	58.4	54.5	47.5	38.9	33.5	29.6	27.2	24.9	24.1
62.5°	50.6	49.8	48.3	44.4	38.9	32.7	28.8	25.7	23.4	21.8	21.0
65°	40.5	39.7	38.1	35.0	31.1	27.2	24.1	21.8	20.2	18.7	17.9
67.5°	31.1	31.1	29.6	27.2	24.1	21.8	19.5	17.9	16.3	15.6	14.8
70°	22.6	22.6	21.8	20.2	17.9	16.3	14.8	14.0	13.2	12.5	11.7
72.5°	15.6	15.6	14.8	14.0	12.5	11.7	10.1	10.1	9.3	9.3	8.6
75°	8.6	8.6	8.6	7.8	7.8	7.0	7.0	7.0	6.2	6.2	6.2
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.3	2.3	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
2.5°	133.1	130.8	129.2	128.5	126.1	125.3	124.6	123.8	123.8	123.8
5°	130.0	126.1	122.2	119.9	116.8	115.2	113.7	112.9	112.1	112.1
7.5°	124.6	119.9	115.2	111.3	108.2	105.1	103.5	102.0	102.0	101.2
10°	119.1	112.9	107.4	102.0	98.9	95.0	93.4	91.9	91.1	91.1
12.5°	112.9	105.1	98.9	94.2	89.5	86.4	84.1	82.5	81.7	81.7
15°	105.9	98.1	91.1	86.4	81.7	77.9	75.5	74.0	73.2	73.2
17.5°	98.9	91.1	83.3	78.6	74.0	70.1	68.5	67.0	66.2	65.4
20°	92.6	83.3	77.1	70.8	67.0	63.8	61.5	59.9	59.2	59.2
22.5°	85.6	77.1	70.1	65.4	61.5	58.4	55.3	54.5	53.7	53.7
25°	78.6	70.8	64.6	59.9	55.3	52.9	50.6	49.0	49.0	48.3
27.5°	73.2	65.4	59.2	54.5	51.4	48.3	46.7	45.2	44.4	44.4
30°	67.0	59.9	54.5	50.6	46.7	44.4	42.8	41.3	41.3	41.3
31°	65.4	58.4	52.9	48.3	45.2	42.8	41.3	40.5	39.7	39.7
32.5°	61.5	55.3	49.8	45.9	42.8	40.5	38.9	38.1	38.1	37.4
35°	56.8	50.6	45.9	42.0	39.7	37.4	35.8	35.0	35.0	35.0
37.5°	52.2	46.7	42.0	38.9	36.6	34.3	33.5	31.9	31.9	31.9
40°	47.5	42.8	38.9	35.8	33.5	31.9	31.1	30.4	29.6	29.6
42.5°	43.6	38.9	35.8	33.5	31.1	29.6	28.8	28.0	28.0	27.2
45°	39.7	35.8	33.5	31.1	28.8	28.0	27.2	26.5	25.7	25.7
47.5°	36.6	33.5	30.4	28.8	27.2	25.7	24.9	24.9	24.1	24.1
50°	33.5	30.4	28.0	26.5	24.9	24.1	23.4	23.4	22.6	22.6
52.5°	31.1	28.0	26.5	24.9	23.4	22.6	21.8	21.8	21.0	21.0
55°	28.0	25.7	24.1	23.4	21.8	21.0	20.2	19.5	19.5	20.2
57.5°	25.7	24.1	22.6	21.8	20.2	19.5	18.7	18.7	17.9	18.7
60°	23.4	21.8	20.2	19.5	18.7	17.9	17.1	16.3	16.3	16.3
62.5°	21.0	19.5	18.7	17.1	16.3	16.3	15.6	15.6	15.6	14.8
65°	17.9	17.1	16.3	15.6	14.8	14.0	14.0	13.2	13.2	13.2
67.5°	14.8	14.0	13.2	13.2	12.5	11.7	11.7	11.7	11.7	10.9
70°	11.7	10.9	10.9	10.1	10.1	10.1	9.3	9.3	9.3	9.3
72.5°	8.6	8.6	7.8	7.8	7.8	7.8	7.0	7.0	7.0	7.0
75°	6.2	6.2	6.2	5.4	5.4	5.4	4.7	4.7	4.7	4.7
77.5°	3.9	3.9	3.9	3.9	3.9	3.1	3.1	3.1	3.1	3.1
80°	2.3	2.3	2.3	2.3	1.6	1.6	1.6	1.6	1.6	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)