

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: P1446654

Luminaire Tested: P3ART05R709735DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

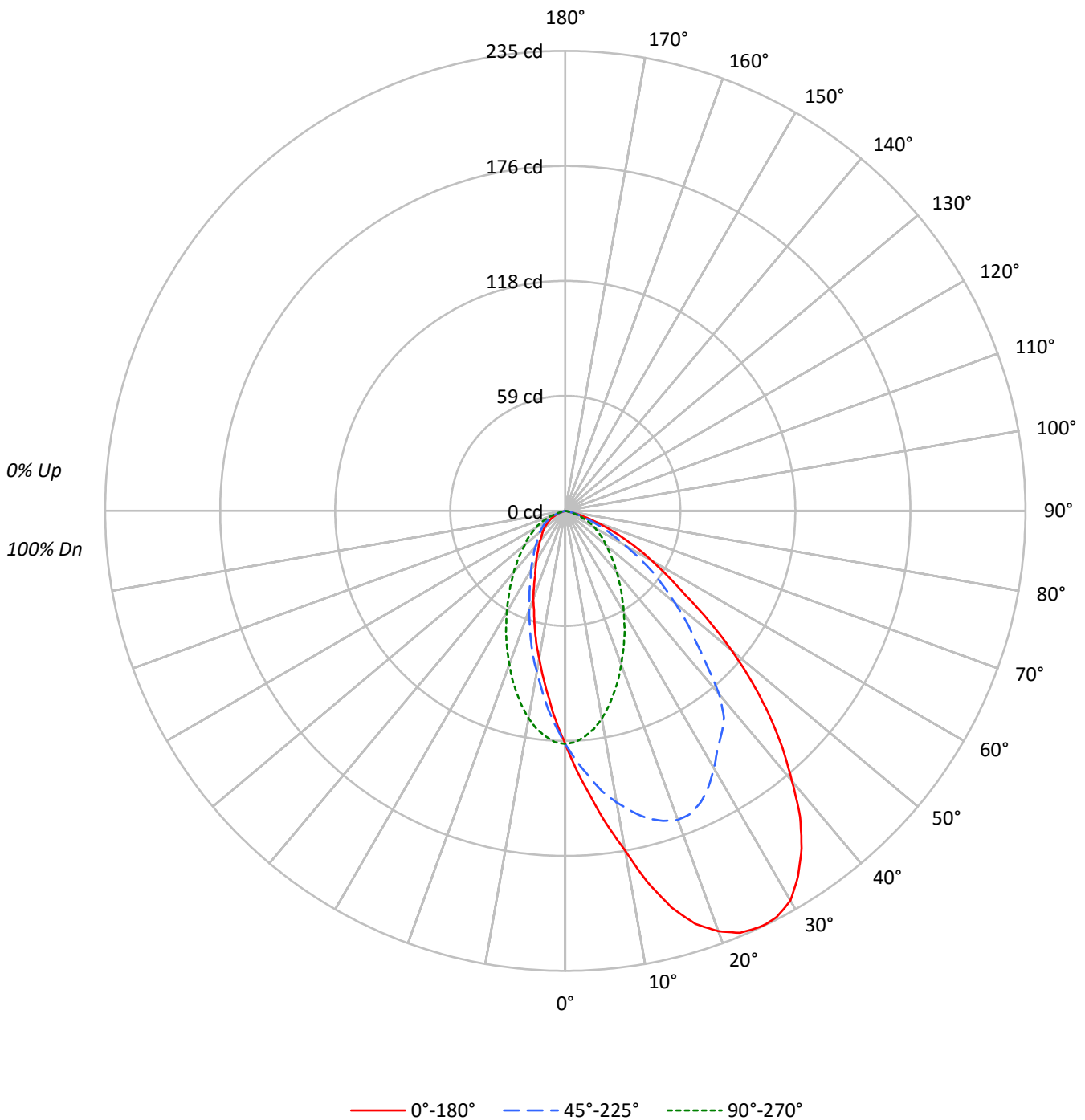
Test Method: LM-79-2019  
Report Number: P1446654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709735DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 237.0 lumens  
Efficiency: N/A  
Efficacy: 32.9 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): 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	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°	26094	26094	26094	26094	26094
5°	32115	29892	25446	22342	21153
10°	39211	33667	23959	18570	17056
15°	47605	36936	21816	15414	13734
20°	53321	39203	19462	12554	11131
25°	56761	39680	17251	10404	8783
30°	58211	38462	15142	8862	7495
35°	56322	37236	13304	7549	6478
40°	51554	35008	11736	6727	5782
45°	45648	29181	10420	6264	5210
50°	37832	25006	9177	5731	4810
55°	28520	20797	8487	5390	4358
60°	22410	15613	7675	5000	3815
65°	16759	11519	6641	4203	3113
70°	10771	7309	4744	3013	1731
75°	4575	3982	2288	1101	593
80°	884	884	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 45648 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	4.8
10°-20°	32.5	13.7
20°-30°	47.5	20.0
30°-40°	51.7	21.8
40°-50°	44.8	18.9
50°-60°	30.0	12.7
60°-70°	15.5	6.5
70°-80°	3.7	1.5
80°-90°	0.0	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
<b>0°-30°</b>	<b>91.3</b>	<b>38.5</b>
<b>0°-40°</b>	<b>143.0</b>	<b>60.3</b>
<b>0°-60°</b>	<b>217.8</b>	<b>91.9</b>
<b>0°-90°</b>	<b>237.0</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>237.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	119	119	119	119	119	
5°	146	136	116	102	96	15
15°	210	163	96	68	60	59
25°	235	164	71	43	36	108
35°	210	139	50	28	24	130
45°	147	94	34	20	17	113
55°	75	54	22	14	11	69
65°	32	22	13	8	6	33
75°	5	5	3	1	1	7
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1446654  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	132.4	131.8	131.8	130.4	129.1	127.7	125.7	123.7	121.7	119.7	118.3
5°	145.9	146.5	145.9	143.2	139.8	135.8	131.8	127.0	122.3	118.3	115.6
7.5°	161.3	161.3	159.3	155.9	151.2	144.5	137.8	129.7	122.3	115.6	112.3
10°	176.1	176.1	172.8	167.4	160.0	151.2	141.8	131.1	121.0	111.6	107.6
12.5°	194.3	193.6	189.6	180.8	170.1	157.3	144.5	131.1	119.0	107.6	102.2
15°	209.7	209.1	203.7	192.9	178.8	162.7	145.2	129.7	114.9	102.2	96.1
17.5°	221.2	219.8	213.8	202.3	186.2	166.0	145.9	127.0	110.2	96.1	90.1
20°	228.5	227.9	221.2	207.7	190.2	168.0	145.2	123.7	105.5	90.1	83.4
22.5°	233.3	231.9	225.2	210.4	190.2	167.4	142.5	119.0	99.5	84.0	77.3
25°	234.6	233.9	225.9	209.7	188.2	164.0	138.5	114.3	93.4	78.0	71.3
26°	234.6	233.9	225.9	209.1	186.9	162.0	136.5	112.3	91.4	75.3	69.2
27.5°	233.9	233.3	224.5	207.0	184.2	158.6	132.4	108.2	87.4	71.9	65.2
30°	229.9	228.5	219.8	202.3	178.1	151.9	125.7	102.2	81.3	65.9	59.8
32.5°	221.2	219.8	210.4	194.3	171.4	144.5	118.3	95.5	75.3	59.8	54.4
35°	210.4	209.1	199.6	184.2	162.0	139.1	110.2	88.1	68.6	55.1	49.7
37.5°	197.0	194.9	186.9	170.7	150.6	133.1	103.5	80.7	62.5	49.7	45.0
40°	180.1	179.5	172.1	157.3	137.1	122.3	99.5	80.7	57.1	45.0	41.0
42.5°	164.0	162.7	155.9	143.2	125.0	106.9	87.4	77.3	53.1	40.3	37.0
45°	147.2	145.9	139.8	129.1	112.3	94.1	94.1	66.5	45.7	37.0	33.6
47.5°	129.1	127.7	123.0	114.9	100.2	84.0	68.6	54.4	41.7	32.9	30.2
50°	110.9	111.6	107.6	99.5	88.1	73.3	59.2	45.7	35.6	29.6	26.9
52.5°	92.8	92.1	89.4	84.0	76.0	63.2	50.4	39.0	30.9	26.2	24.9
55°	74.6	75.3	73.9	70.6	63.9	54.4	42.3	33.6	27.6	23.5	22.2
57.5°	61.8	62.5	59.8	57.8	52.4	44.4	35.0	28.2	23.5	20.8	19.5
60°	51.1	51.8	49.7	47.1	43.0	35.6	28.2	23.5	20.8	18.8	17.5
62.5°	41.7	41.0	39.7	37.0	33.6	28.2	22.9	19.5	17.5	16.1	15.5
65°	32.3	32.3	30.9	28.9	26.2	22.2	18.1	16.1	14.8	13.4	12.8
67.5°	24.2	24.2	22.9	21.5	18.8	16.1	14.1	12.8	12.1	10.8	10.1
70°	16.8	16.8	16.1	15.5	13.4	11.4	10.8	9.4	8.7	8.1	7.4
72.5°	10.8	10.8	10.8	9.4	8.7	7.4	7.4	6.7	6.0	5.4	5.4
75°	5.4	6.0	5.4	5.4	4.7	4.7	4.0	4.0	3.4	3.4	2.7
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	1.3	1.3	1.3	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	117.0	114.9	113.6	111.6	110.2	108.9	108.2	107.6	107.6	107.6
5°	113.6	110.2	106.9	103.5	101.5	99.5	97.5	96.8	96.1	96.1
7.5°	109.6	104.2	99.5	95.5	92.1	90.1	88.1	86.7	86.0	86.0
10°	104.2	97.5	92.1	86.7	83.4	80.7	79.3	77.3	77.3	76.6
12.5°	98.1	90.1	84.0	79.3	76.0	72.6	70.6	69.2	68.6	68.6
15°	91.4	83.4	76.6	71.3	67.9	64.5	62.5	61.2	60.5	60.5
17.5°	84.7	76.0	69.2	63.9	60.5	57.1	55.1	53.8	53.8	53.1
20°	78.0	69.2	62.5	57.1	53.8	51.1	49.1	47.7	47.1	47.7
22.5°	71.9	63.2	56.5	51.8	47.7	45.0	43.0	42.3	41.7	41.7
25°	65.2	57.1	51.1	46.4	43.0	40.3	38.3	37.6	37.0	36.3
26°	63.2	55.1	49.1	44.4	41.0	38.3	37.0	35.6	35.0	35.0
27.5°	60.5	51.8	46.4	41.7	38.3	36.3	34.3	33.6	32.9	32.9
30°	54.4	47.1	41.7	37.6	35.0	32.3	30.9	30.2	29.6	29.6
32.5°	49.7	42.3	37.6	34.3	31.6	29.6	28.2	26.9	26.9	26.9
35°	45.0	38.3	34.3	30.9	28.2	26.2	25.5	24.9	24.2	24.2
37.5°	41.0	35.0	30.9	28.2	26.2	24.2	22.9	22.2	22.2	22.2
40°	37.0	32.3	28.2	25.5	23.5	22.2	20.8	20.2	20.2	20.2
42.5°	33.6	28.9	26.2	23.5	21.5	20.2	19.5	18.8	18.1	18.1
45°	30.9	26.9	23.5	21.5	20.2	18.8	17.5	16.8	16.8	16.8
47.5°	27.6	24.9	21.5	19.5	18.1	16.8	16.1	15.5	15.5	15.5
50°	25.5	22.9	20.2	18.1	16.8	15.5	14.8	14.1	14.1	14.1
52.5°	22.9	20.8	18.8	16.8	15.5	14.1	13.4	12.8	12.8	12.8
55°	20.8	18.8	16.8	15.5	14.1	12.8	12.1	11.4	11.4	11.4
57.5°	18.8	16.8	15.5	14.1	12.8	12.1	10.8	10.8	10.1	10.1
60°	16.8	14.8	13.4	12.8	11.4	10.8	9.4	8.7	8.7	8.7
62.5°	14.1	13.4	12.1	10.8	9.4	8.7	8.1	7.4	7.4	7.4
65°	12.1	11.4	10.1	8.7	8.1	7.4	6.7	6.0	6.0	6.0
67.5°	10.1	8.7	8.1	7.4	6.7	6.0	5.4	4.7	4.0	4.7
70°	7.4	6.7	6.0	5.4	4.7	4.0	3.4	3.4	2.7	2.7
72.5°	4.7	4.0	4.0	3.4	2.7	2.7	2.0	2.0	1.3	1.3
75°	2.7	2.7	2.0	2.0	1.3	1.3	0.7	0.7	0.7	0.7
77.5°	1.3	0.7	0.7	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)