

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: P1446524

Luminaire Tested: P3ART05R709730DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

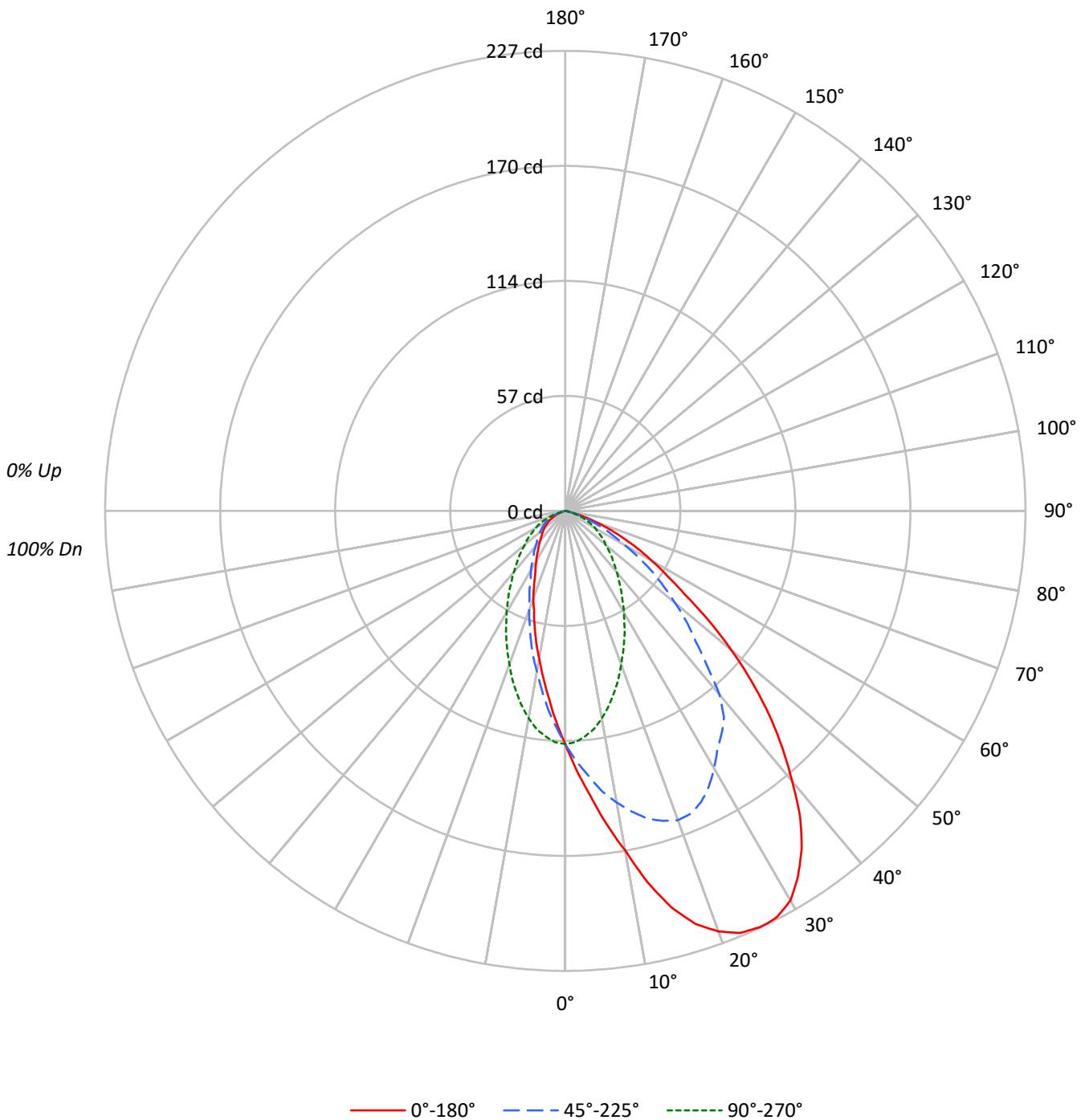
Test Method: LM-79-2019  
Report Number: P1446524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709730DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 229.0 lumens  
Efficiency: N/A  
Efficacy: 31.8 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	97	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	90	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°	25217	25217	25217	25217	25217
5°	31015	28880	24587	21594	20449
10°	37897	32531	23135	17924	16477
15°	45993	35687	21090	14892	13280
20°	51524	37897	18785	12134	10758
25°	54850	38349	16646	10065	8492
30°	56237	37170	14635	8558	7242
35°	54422	35978	12876	7308	6264
40°	49836	33835	11336	6498	5582
45°	44098	28189	10079	6047	5024
50°	36570	24153	8870	5526	4640
55°	27564	20109	8181	5199	4205
60°	21665	15087	7412	4824	3684
65°	16189	11104	6382	4047	3009
70°	10386	7052	4552	2885	1667
75°	4406	3813	2203	1101	508
80°	758	758	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44098 cd/sqm



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CATALOG NUMBER: P3ART05R709730DE010 E3CLSWW1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	4.8
10°-20°	31.4	13.7
20°-30°	45.9	20.0
30°-40°	50.0	21.8
40°-50°	43.3	18.9
50°-60°	29.0	12.7
60°-70°	15.0	6.5
70°-80°	3.5	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>88.2</b>	<b>38.5</b>
<b>0°-40°</b>	<b>138.2</b>	<b>60.4</b>
<b>0°-60°</b>	<b>210.4</b>	<b>91.9</b>
<b>0°-90°</b>	<b>229.0</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>229.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	141	131	112	98	93	14
15°	203	157	93	66	58	57
25°	227	158	69	42	35	104
35°	203	134	48	27	23	126
45°	142	91	32	20	16	109
55°	72	53	21	14	11	67
65°	31	21	12	8	6	31
75°	5	4	3	1	1	7
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°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	128.0	127.3	127.3	126.0	124.7	123.4	121.5	119.5	117.6	115.6	114.3
5°	140.9	141.6	140.9	138.3	135.1	131.2	127.3	122.8	118.2	114.3	111.7
7.5°	155.9	155.9	153.9	150.7	146.1	139.6	133.1	125.4	118.2	111.7	108.5
10°	170.2	170.2	166.9	161.7	154.6	146.1	137.0	126.7	116.9	107.8	103.9
12.5°	187.7	187.1	183.2	174.7	164.3	152.0	139.6	126.7	115.0	103.9	98.7
15°	202.6	202.0	196.8	186.4	172.8	157.2	140.3	125.4	111.1	98.7	92.9
17.5°	213.7	212.4	206.5	195.5	179.9	160.4	140.9	122.8	106.5	92.9	87.0
20°	220.8	220.2	213.7	200.7	183.8	162.4	140.3	119.5	102.0	87.0	80.5
22.5°	225.4	224.1	217.6	203.3	183.8	161.7	137.7	115.0	96.1	81.2	74.7
25°	226.7	226.0	218.2	202.6	181.9	158.5	133.8	110.4	90.3	75.3	68.8
26°	226.7	226.0	218.2	202.0	180.6	156.5	131.8	108.5	88.3	72.7	66.9
27.5°	226.0	225.4	216.9	200.0	178.0	153.3	128.0	104.6	84.4	69.5	63.0
30°	222.1	220.8	212.4	195.5	172.1	146.8	121.5	98.7	78.6	63.7	57.8
32.5°	213.7	212.4	203.3	187.7	165.6	139.6	114.3	92.2	72.7	57.8	52.6
35°	203.3	202.0	192.9	178.0	156.5	134.4	106.5	85.1	66.2	53.3	48.1
37.5°	190.3	188.4	180.6	165.0	145.5	128.6	100.0	77.9	60.4	48.1	43.5
40°	174.1	173.4	166.3	152.0	132.5	118.2	96.1	77.9	55.2	43.5	39.6
42.5°	158.5	157.2	150.7	138.3	120.8	103.3	84.4	74.7	51.3	39.0	35.7
45°	142.2	140.9	135.1	124.7	108.5	90.9	90.9	64.3	44.2	35.7	32.5
47.5°	124.7	123.4	118.9	111.1	96.8	81.2	66.2	52.6	40.3	31.8	29.2
50°	107.2	107.8	103.9	96.1	85.1	70.8	57.2	44.2	34.4	28.6	26.0
52.5°	89.6	89.0	86.4	81.2	73.4	61.1	48.7	37.7	29.9	25.3	24.0
55°	72.1	72.7	71.4	68.2	61.7	52.6	40.9	32.5	26.6	22.7	21.4
57.5°	59.8	60.4	57.8	55.9	50.7	42.9	33.8	27.3	22.7	20.1	18.8
60°	49.4	50.0	48.1	45.5	41.6	34.4	27.3	22.7	20.1	18.2	16.9
62.5°	40.3	39.6	38.3	35.7	32.5	27.3	22.1	18.8	16.9	15.6	14.9
65°	31.2	31.2	29.9	27.9	25.3	21.4	17.5	15.6	14.3	13.0	12.3
67.5°	23.4	23.4	22.1	20.8	18.2	15.6	13.6	12.3	11.7	10.4	9.7
70°	16.2	16.2	15.6	14.9	13.0	11.0	10.4	9.1	8.4	7.8	7.1
72.5°	10.4	10.4	10.4	9.1	8.4	7.1	7.1	6.5	5.8	5.2	5.2
75°	5.2	5.8	5.2	5.2	4.5	4.5	3.9	3.9	3.2	3.2	2.6
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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



TEST NUMBER: P1446524

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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	113.0	111.1	109.8	107.8	106.5	105.2	104.6	103.9	103.9	103.9
5°	109.8	106.5	103.3	100.0	98.1	96.1	94.2	93.5	92.9	92.9
7.5°	105.9	100.7	96.1	92.2	89.0	87.0	85.1	83.8	83.1	83.1
10°	100.7	94.2	89.0	83.8	80.5	77.9	76.6	74.7	74.7	74.0
12.5°	94.8	87.0	81.2	76.6	73.4	70.1	68.2	66.9	66.2	66.2
15°	88.3	80.5	74.0	68.8	65.6	62.4	60.4	59.1	58.5	58.5
17.5°	81.8	73.4	66.9	61.7	58.5	55.2	53.3	52.0	52.0	51.3
20°	75.3	66.9	60.4	55.2	52.0	49.4	47.4	46.1	45.5	46.1
22.5°	69.5	61.1	54.6	50.0	46.1	43.5	41.6	40.9	40.3	40.3
25°	63.0	55.2	49.4	44.8	41.6	39.0	37.0	36.4	35.7	35.1
26°	61.1	53.3	47.4	42.9	39.6	37.0	35.7	34.4	33.8	33.8
27.5°	58.5	50.0	44.8	40.3	37.0	35.1	33.1	32.5	31.8	31.8
30°	52.6	45.5	40.3	36.4	33.8	31.2	29.9	29.2	28.6	28.6
32.5°	48.1	40.9	36.4	33.1	30.5	28.6	27.3	26.0	26.0	26.0
35°	43.5	37.0	33.1	29.9	27.3	25.3	24.7	24.0	23.4	23.4
37.5°	39.6	33.8	29.9	27.3	25.3	23.4	22.1	21.4	21.4	21.4
40°	35.7	31.2	27.3	24.7	22.7	21.4	20.1	19.5	19.5	19.5
42.5°	32.5	27.9	25.3	22.7	20.8	19.5	18.8	18.2	17.5	17.5
45°	29.9	26.0	22.7	20.8	19.5	18.2	16.9	16.2	16.2	16.2
47.5°	26.6	24.0	20.8	18.8	17.5	16.2	15.6	14.9	14.9	14.9
50°	24.7	22.1	19.5	17.5	16.2	14.9	14.3	13.6	13.6	13.6
52.5°	22.1	20.1	18.2	16.2	14.9	13.6	13.0	12.3	12.3	12.3
55°	20.1	18.2	16.2	14.9	13.6	12.3	11.7	11.0	11.0	11.0
57.5°	18.2	16.2	14.9	13.6	12.3	11.7	10.4	10.4	9.7	9.7
60°	16.2	14.3	13.0	12.3	11.0	10.4	9.1	8.4	8.4	8.4
62.5°	13.6	13.0	11.7	10.4	9.1	8.4	7.8	7.1	7.1	7.1
65°	11.7	11.0	9.7	8.4	7.8	7.1	6.5	5.8	5.8	5.8
67.5°	9.7	8.4	7.8	7.1	6.5	5.8	5.2	4.5	3.9	4.5
70°	7.1	6.5	5.8	5.2	4.5	3.9	3.2	3.2	2.6	2.6
72.5°	4.5	3.9	3.9	3.2	2.6	2.6	1.9	1.9	1.3	1.3
75°	2.6	2.6	1.9	1.9	1.3	1.3	0.6	0.6	0.6	0.6
77.5°	1.3	0.6	0.6	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)