

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: P1445874

Luminaire Tested: P3ART05R709030DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

**Test Information**

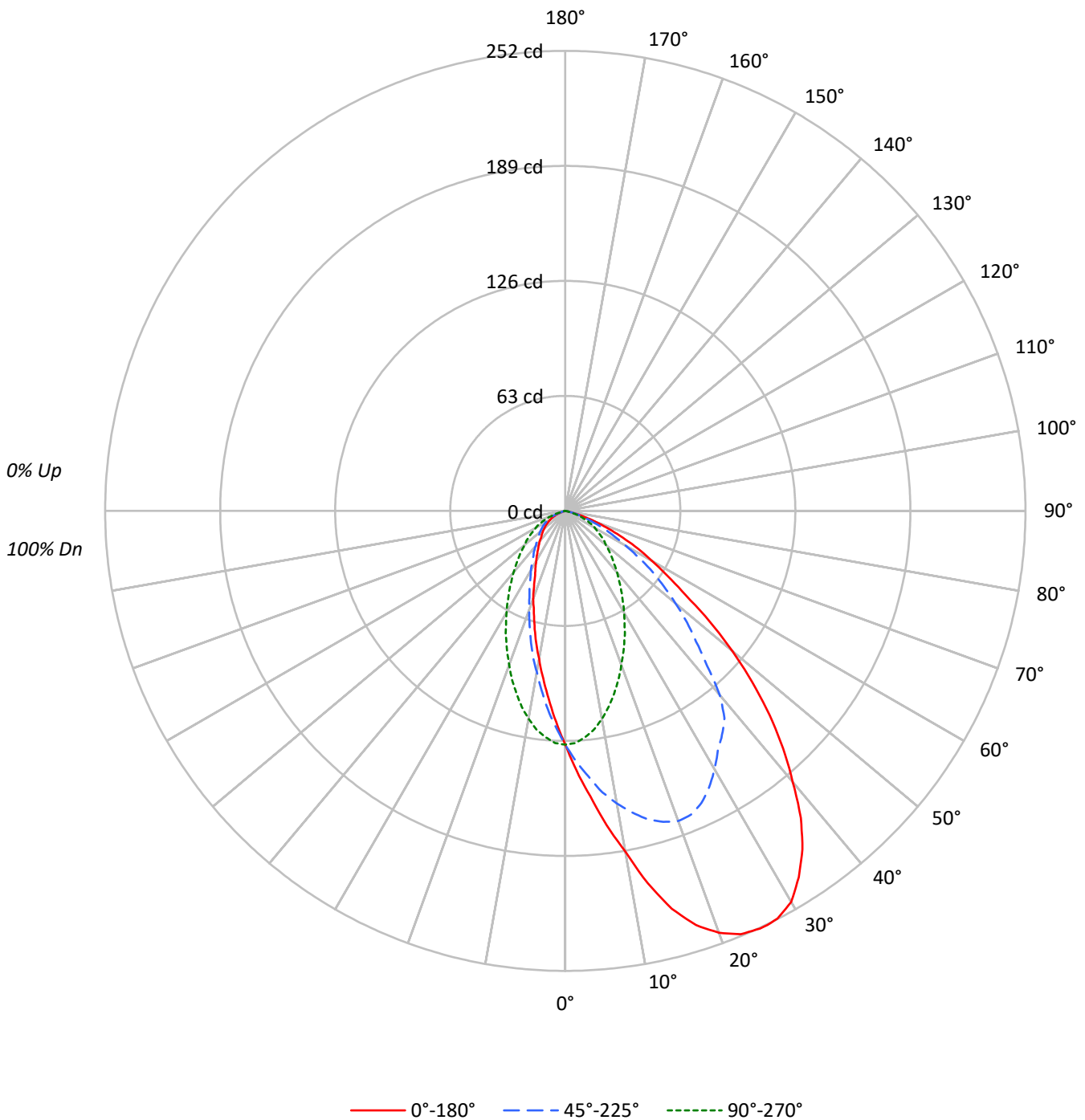
Test Method: LM-79-2019  
Report Number: P1445874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709030DE010 E3CLSWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLSWW1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 255.0 lumens  
Efficiency: N/A  
Efficacy: 35.4 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

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

	0°	45°	90°	135°	180°
0°	28068	28068	28068	28068	28068
5°	34537	32159	27383	24037	22760
10°	42195	36227	25762	19973	18370
15°	51238	39728	23473	16572	14779
20°	57382	42190	20932	13511	11994
25°	61068	42704	18558	11202	9460
30°	62643	41399	16306	9520	8052
35°	60606	40074	14322	8138	6960
40°	55475	37671	12624	7242	6212
45°	49121	31414	11226	6729	5613
50°	40698	26882	9859	6175	5185
55°	30699	22403	9137	5811	4702
60°	24121	16797	8245	5394	4122
65°	18005	12401	7108	4514	3373
70°	11605	7886	5129	3270	1859
75°	4914	4321	2457	1186	593
80°	884	884	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 49121 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.1	4.8
10°-20°	34.9	13.7
20°-30°	51.1	20.0
30°-40°	55.7	21.8
40°-50°	48.2	18.9
50°-60°	32.3	12.7
60°-70°	16.7	6.5
70°-80°	3.9	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>98.2</b>	<b>38.5</b>
<b>0°-40°</b>	<b>153.9</b>	<b>60.3</b>
<b>0°-60°</b>	<b>234.3</b>	<b>91.9</b>
<b>0°-90°</b>	<b>255.0</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>255.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	157	146	124	109	103	16
15°	226	175	103	73	65	64
25°	252	176	77	46	39	116
35°	226	150	54	30	26	140
45°	158	101	36	22	18	121
55°	80	59	24	15	12	74
65°	35	24	14	9	6	35
75°	6	5	3	1	1	8
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°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	142.5	141.8	141.8	140.3	138.9	137.4	135.2	133.1	130.9	128.7	127.3
5°	156.9	157.7	156.9	154.1	150.4	146.1	141.8	136.7	131.6	127.3	124.4
7.5°	173.6	173.6	171.4	167.8	162.7	155.5	148.3	139.6	131.6	124.4	120.8
10°	189.5	189.5	185.9	180.1	172.1	162.7	152.6	141.0	130.2	120.1	115.7
12.5°	209.0	208.3	204.0	194.6	183.0	169.2	155.5	141.0	128.0	115.7	109.9
15°	225.7	224.9	219.1	207.6	192.4	175.0	156.2	139.6	123.7	109.9	103.4
17.5°	237.9	236.5	230.0	217.7	200.3	178.6	156.9	136.7	118.6	103.4	96.9
20°	245.9	245.2	237.9	223.5	204.7	180.8	156.2	133.1	113.5	96.9	89.7
22.5°	251.0	249.5	242.3	226.4	204.7	180.1	153.3	128.0	107.0	90.4	83.2
25°	252.4	251.7	243.0	225.7	202.5	176.5	149.0	123.0	100.5	83.9	76.7
26°	252.4	251.7	243.0	224.9	201.1	174.3	146.8	120.8	98.4	81.0	74.5
27.5°	251.7	251.0	241.6	222.8	198.2	170.7	142.5	116.4	94.0	77.4	70.2
30°	247.4	245.9	236.5	217.7	191.7	163.5	135.2	109.9	87.5	70.9	64.4
32.5°	237.9	236.5	226.4	209.0	184.4	155.5	127.3	102.7	81.0	64.4	58.6
35°	226.4	224.9	214.8	198.2	174.3	149.7	118.6	94.7	73.8	59.3	53.5
37.5°	211.9	209.7	201.1	183.7	162.0	143.2	111.4	86.8	67.3	53.5	48.5
40°	193.8	193.1	185.2	169.2	147.5	131.6	107.0	86.8	61.5	48.5	44.1
42.5°	176.5	175.0	167.8	154.1	134.5	115.0	94.0	83.2	57.1	43.4	39.8
45°	158.4	156.9	150.4	138.9	120.8	101.3	101.3	71.6	49.2	39.8	36.2
47.5°	138.9	137.4	132.4	123.7	107.8	90.4	73.8	58.6	44.8	35.4	32.5
50°	119.3	120.1	115.7	107.0	94.7	78.8	63.6	49.2	38.3	31.8	28.9
52.5°	99.8	99.1	96.2	90.4	81.7	68.0	54.2	41.9	33.3	28.2	26.8
55°	80.3	81.0	79.6	75.9	68.7	58.6	45.6	36.2	29.7	25.3	23.9
57.5°	66.5	67.3	64.4	62.2	56.4	47.7	37.6	30.4	25.3	22.4	21.0
60°	55.0	55.7	53.5	50.6	46.3	38.3	30.4	25.3	22.4	20.3	18.8
62.5°	44.8	44.1	42.7	39.8	36.2	30.4	24.6	21.0	18.8	17.4	16.6
65°	34.7	34.7	33.3	31.1	28.2	23.9	19.5	17.4	15.9	14.5	13.7
67.5°	26.0	26.0	24.6	23.1	20.3	17.4	15.2	13.7	13.0	11.6	10.8
70°	18.1	18.1	17.4	16.6	14.5	12.3	11.6	10.1	9.4	8.7	8.0
72.5°	11.6	11.6	11.6	10.1	9.4	8.0	8.0	7.2	6.5	5.8	5.8
75°	5.8	6.5	5.8	5.8	5.1	5.1	4.3	4.3	3.6	3.6	2.9
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.4
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°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	125.8	123.7	122.2	120.1	118.6	117.2	116.4	115.7	115.7	115.7
5°	122.2	118.6	115.0	111.4	109.2	107.0	104.9	104.1	103.4	103.4
7.5°	117.9	112.1	107.0	102.7	99.1	96.9	94.7	93.3	92.6	92.6
10°	112.1	104.9	99.1	93.3	89.7	86.8	85.3	83.2	83.2	82.5
12.5°	105.6	96.9	90.4	85.3	81.7	78.1	75.9	74.5	73.8	73.8
15°	98.4	89.7	82.5	76.7	73.0	69.4	67.3	65.8	65.1	65.1
17.5°	91.1	81.7	74.5	68.7	65.1	61.5	59.3	57.9	57.9	57.1
20°	83.9	74.5	67.3	61.5	57.9	55.0	52.8	51.4	50.6	51.4
22.5°	77.4	68.0	60.8	55.7	51.4	48.5	46.3	45.6	44.8	44.8
25°	70.2	61.5	55.0	49.9	46.3	43.4	41.2	40.5	39.8	39.1
26°	68.0	59.3	52.8	47.7	44.1	41.2	39.8	38.3	37.6	37.6
27.5°	65.1	55.7	49.9	44.8	41.2	39.1	36.9	36.2	35.4	35.4
30°	58.6	50.6	44.8	40.5	37.6	34.7	33.3	32.5	31.8	31.8
32.5°	53.5	45.6	40.5	36.9	34.0	31.8	30.4	28.9	28.9	28.9
35°	48.5	41.2	36.9	33.3	30.4	28.2	27.5	26.8	26.0	26.0
37.5°	44.1	37.6	33.3	30.4	28.2	26.0	24.6	23.9	23.9	23.9
40°	39.8	34.7	30.4	27.5	25.3	23.9	22.4	21.7	21.7	21.7
42.5°	36.2	31.1	28.2	25.3	23.1	21.7	21.0	20.3	19.5	19.5
45°	33.3	28.9	25.3	23.1	21.7	20.3	18.8	18.1	18.1	18.1
47.5°	29.7	26.8	23.1	21.0	19.5	18.1	17.4	16.6	16.6	16.6
50°	27.5	24.6	21.7	19.5	18.1	16.6	15.9	15.2	15.2	15.2
52.5°	24.6	22.4	20.3	18.1	16.6	15.2	14.5	13.7	13.7	13.7
55°	22.4	20.3	18.1	16.6	15.2	13.7	13.0	12.3	12.3	12.3
57.5°	20.3	18.1	16.6	15.2	13.7	13.0	11.6	11.6	10.8	10.8
60°	18.1	15.9	14.5	13.7	12.3	11.6	10.1	9.4	9.4	9.4
62.5°	15.2	14.5	13.0	11.6	10.1	9.4	8.7	8.0	8.0	8.0
65°	13.0	12.3	10.8	9.4	8.7	8.0	7.2	6.5	6.5	6.5
67.5°	10.8	9.4	8.7	8.0	7.2	6.5	5.8	5.1	4.3	5.1
70°	8.0	7.2	6.5	5.8	5.1	4.3	3.6	3.6	2.9	2.9
72.5°	5.1	4.3	4.3	3.6	2.9	2.9	2.2	2.2	1.4	1.4
75°	2.9	2.9	2.2	2.2	1.4	1.4	0.7	0.7	0.7	0.7
77.5°	1.4	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)