

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: P#

Luminaire Tested: P3ART02R709030D2WDE010 E3LSWW1WMH

Issue Date: 5/8/2026

**Test Information**

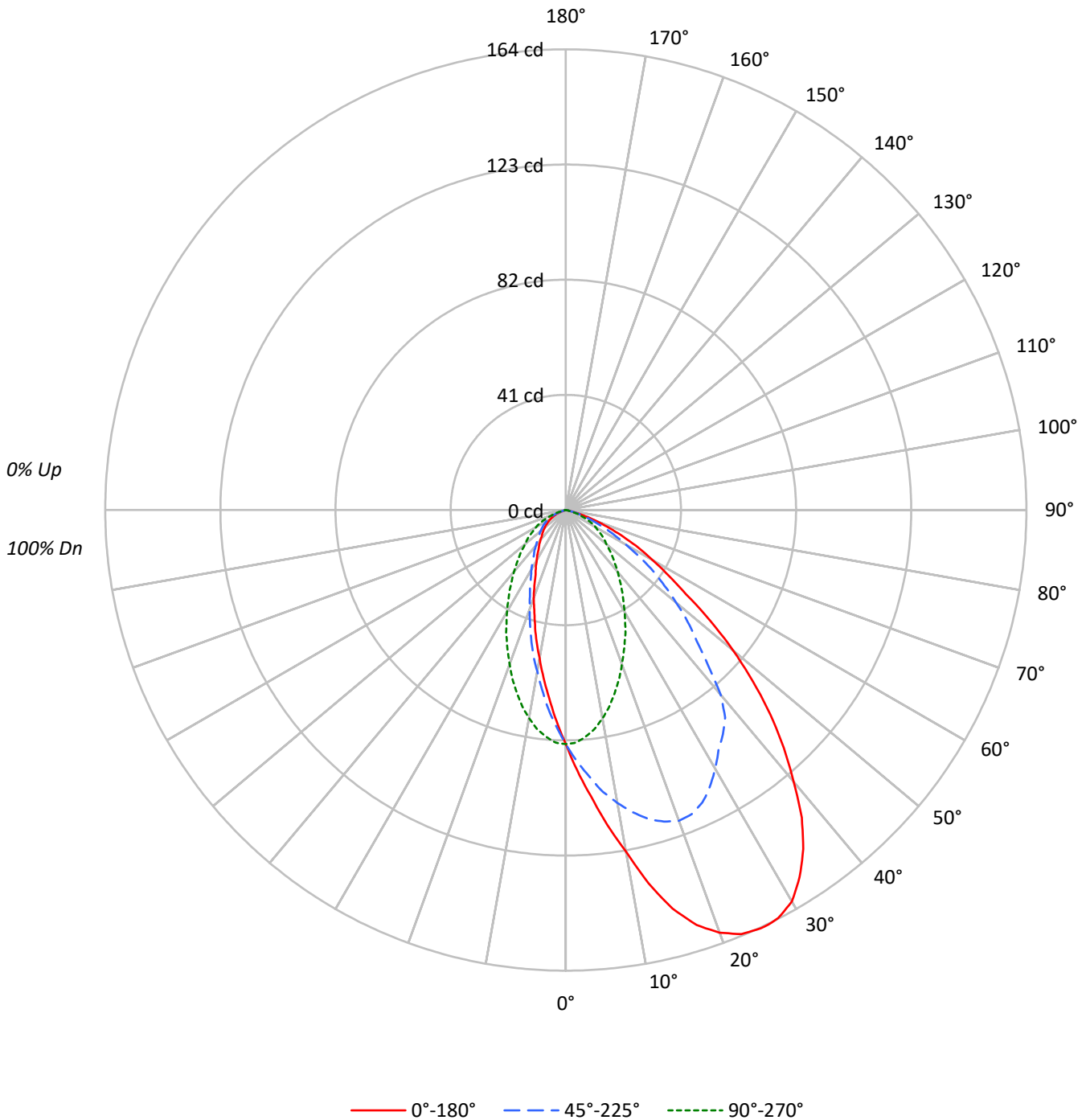
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709030D2WDE010 E3LSWW1WMH  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3LSWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 166.0 lumens  
Efficiency: N/A  
Efficacy: 23.1 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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32

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

	0°	45°	90°	135°	180°
0°	18266	18266	18266	18266	18266
5°	22496	20933	17830	15650	14814
10°	27477	23580	16767	13004	11957
15°	33349	25857	15278	10806	9625
20°	37360	27466	13628	8797	7794
25°	39752	27800	12073	7283	6146
30°	40766	26941	10609	6203	5241
35°	39458	26100	9316	5300	4524
40°	36125	24532	8215	4723	4036
45°	31972	20436	7288	4373	3659
50°	26507	17500	6413	4025	3377
55°	19995	14566	5926	3785	3058
60°	15700	10964	5350	3508	2675
65°	11726	8042	4618	2906	2179
70°	7565	5129	3334	2116	1218
75°	3219	2796	1610	763	424
80°	631	631	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31972 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	4.8
10°-20°	22.8	13.7
20°-30°	33.3	20.0
30°-40°	36.2	21.8
40°-50°	31.4	18.9
50°-60°	21.0	12.7
60°-70°	10.8	6.5
70°-80°	2.6	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
0°-30°	63.9	38.5
0°-40°	100.2	60.3
0°-60°	152.6	91.9
0°-90°	166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	166.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	102	95	81	71	67	10
15°	147	114	67	48	42	42
25°	164	115	50	30	25	75
35°	147	98	35	20	17	91
45°	103	66	24	14	12	79
55°	52	38	16	10	8	48
65°	23	16	9	6	4	23
75°	4	3	2	1	0	5
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	92.8	92.3	92.3	91.3	90.4	89.5	88.0	86.6	85.2	83.8	82.9
5°	102.2	102.6	102.2	100.3	97.9	95.1	92.3	89.0	85.7	82.9	81.0
7.5°	113.0	113.0	111.6	109.2	105.9	101.2	96.5	90.9	85.7	81.0	78.6
10°	123.4	123.4	121.0	117.2	112.1	105.9	99.3	91.8	84.7	78.2	75.3
12.5°	136.1	135.6	132.8	126.7	119.1	110.2	101.2	91.8	83.3	75.3	71.6
15°	146.9	146.4	142.7	135.1	125.2	113.9	101.7	90.9	80.5	71.6	67.3
17.5°	154.9	154.0	149.7	141.7	130.4	116.3	102.2	89.0	77.2	67.3	63.1
20°	160.1	159.6	154.9	145.5	133.2	117.7	101.7	86.6	73.9	63.1	58.4
22.5°	163.4	162.4	157.7	147.4	133.2	117.2	99.8	83.3	69.7	58.9	54.1
25°	164.3	163.8	158.2	146.9	131.8	114.9	97.0	80.0	65.4	54.6	49.9
26°	164.3	163.8	158.2	146.4	130.9	113.5	95.6	78.6	64.0	52.7	48.5
27.5°	163.8	163.4	157.3	145.0	129.0	111.1	92.8	75.8	61.2	50.4	45.7
30°	161.0	160.1	154.0	141.7	124.8	106.4	88.0	71.6	57.0	46.1	41.9
32.5°	154.9	154.0	147.4	136.1	120.1	101.2	82.9	66.9	52.7	41.9	38.1
35°	147.4	146.4	139.8	129.0	113.5	97.5	77.2	61.7	48.0	38.6	34.8
37.5°	138.0	136.5	130.9	119.6	105.5	93.2	72.5	56.5	43.8	34.8	31.5
40°	126.2	125.7	120.5	110.2	96.0	85.7	69.7	56.5	40.0	31.5	28.7
42.5°	114.9	113.9	109.2	100.3	87.6	74.9	61.2	54.1	37.2	28.2	25.9
45°	103.1	102.2	97.9	90.4	78.6	65.9	65.9	46.6	32.0	25.9	23.5
47.5°	90.4	89.5	86.2	80.5	70.2	58.9	48.0	38.1	29.2	23.1	21.2
50°	77.7	78.2	75.3	69.7	61.7	51.3	41.4	32.0	25.0	20.7	18.8
52.5°	65.0	64.5	62.6	58.9	53.2	44.3	35.3	27.3	21.7	18.4	17.4
55°	52.3	52.7	51.8	49.4	44.7	38.1	29.7	23.5	19.3	16.5	15.5
57.5°	43.3	43.8	41.9	40.5	36.7	31.1	24.5	19.8	16.5	14.6	13.7
60°	35.8	36.3	34.8	33.0	30.1	25.0	19.8	16.5	14.6	13.2	12.2
62.5°	29.2	28.7	27.8	25.9	23.5	19.8	16.0	13.7	12.2	11.3	10.8
65°	22.6	22.6	21.7	20.2	18.4	15.5	12.7	11.3	10.4	9.4	8.9
67.5°	16.9	16.9	16.0	15.1	13.2	11.3	9.9	8.9	8.5	7.5	7.1
70°	11.8	11.8	11.3	10.8	9.4	8.0	7.5	6.6	6.1	5.6	5.2
72.5°	7.5	7.5	7.5	6.6	6.1	5.2	5.2	4.7	4.2	3.8	3.8
75°	3.8	4.2	3.8	3.8	3.3	3.3	2.8	2.8	2.4	2.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	81.9	80.5	79.6	78.2	77.2	76.3	75.8	75.3	75.3	75.3
5°	79.6	77.2	74.9	72.5	71.1	69.7	68.3	67.8	67.3	67.3
7.5°	76.7	73.0	69.7	66.9	64.5	63.1	61.7	60.7	60.3	60.3
10°	73.0	68.3	64.5	60.7	58.4	56.5	55.6	54.1	54.1	53.7
12.5°	68.7	63.1	58.9	55.6	53.2	50.8	49.4	48.5	48.0	48.0
15°	64.0	58.4	53.7	49.9	47.6	45.2	43.8	42.8	42.4	42.4
17.5°	59.3	53.2	48.5	44.7	42.4	40.0	38.6	37.7	37.7	37.2
20°	54.6	48.5	43.8	40.0	37.7	35.8	34.4	33.4	33.0	33.4
22.5°	50.4	44.3	39.5	36.3	33.4	31.5	30.1	29.7	29.2	29.2
25°	45.7	40.0	35.8	32.5	30.1	28.2	26.8	26.4	25.9	25.4
26°	44.3	38.6	34.4	31.1	28.7	26.8	25.9	25.0	24.5	24.5
27.5°	42.4	36.3	32.5	29.2	26.8	25.4	24.0	23.5	23.1	23.1
30°	38.1	33.0	29.2	26.4	24.5	22.6	21.7	21.2	20.7	20.7
32.5°	34.8	29.7	26.4	24.0	22.1	20.7	19.8	18.8	18.8	18.8
35°	31.5	26.8	24.0	21.7	19.8	18.4	17.9	17.4	16.9	16.9
37.5°	28.7	24.5	21.7	19.8	18.4	16.9	16.0	15.5	15.5	15.5
40°	25.9	22.6	19.8	17.9	16.5	15.5	14.6	14.1	14.1	14.1
42.5°	23.5	20.2	18.4	16.5	15.1	14.1	13.7	13.2	12.7	12.7
45°	21.7	18.8	16.5	15.1	14.1	13.2	12.2	11.8	11.8	11.8
47.5°	19.3	17.4	15.1	13.7	12.7	11.8	11.3	10.8	10.8	10.8
50°	17.9	16.0	14.1	12.7	11.8	10.8	10.4	9.9	9.9	9.9
52.5°	16.0	14.6	13.2	11.8	10.8	9.9	9.4	8.9	8.9	8.9
55°	14.6	13.2	11.8	10.8	9.9	8.9	8.5	8.0	8.0	8.0
57.5°	13.2	11.8	10.8	9.9	8.9	8.5	7.5	7.5	7.1	7.1
60°	11.8	10.4	9.4	8.9	8.0	7.5	6.6	6.1	6.1	6.1
62.5°	9.9	9.4	8.5	7.5	6.6	6.1	5.6	5.2	5.2	5.2
65°	8.5	8.0	7.1	6.1	5.6	5.2	4.7	4.2	4.2	4.2
67.5°	7.1	6.1	5.6	5.2	4.7	4.2	3.8	3.3	2.8	3.3
70°	5.2	4.7	4.2	3.8	3.3	2.8	2.4	2.4	1.9	1.9
72.5°	3.3	2.8	2.8	2.4	1.9	1.9	1.4	1.4	0.9	0.9
75°	1.9	1.9	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.5
77.5°	0.9	0.5	0.5	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)