

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: P1446390

Luminaire Tested: P3ART05R709727DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

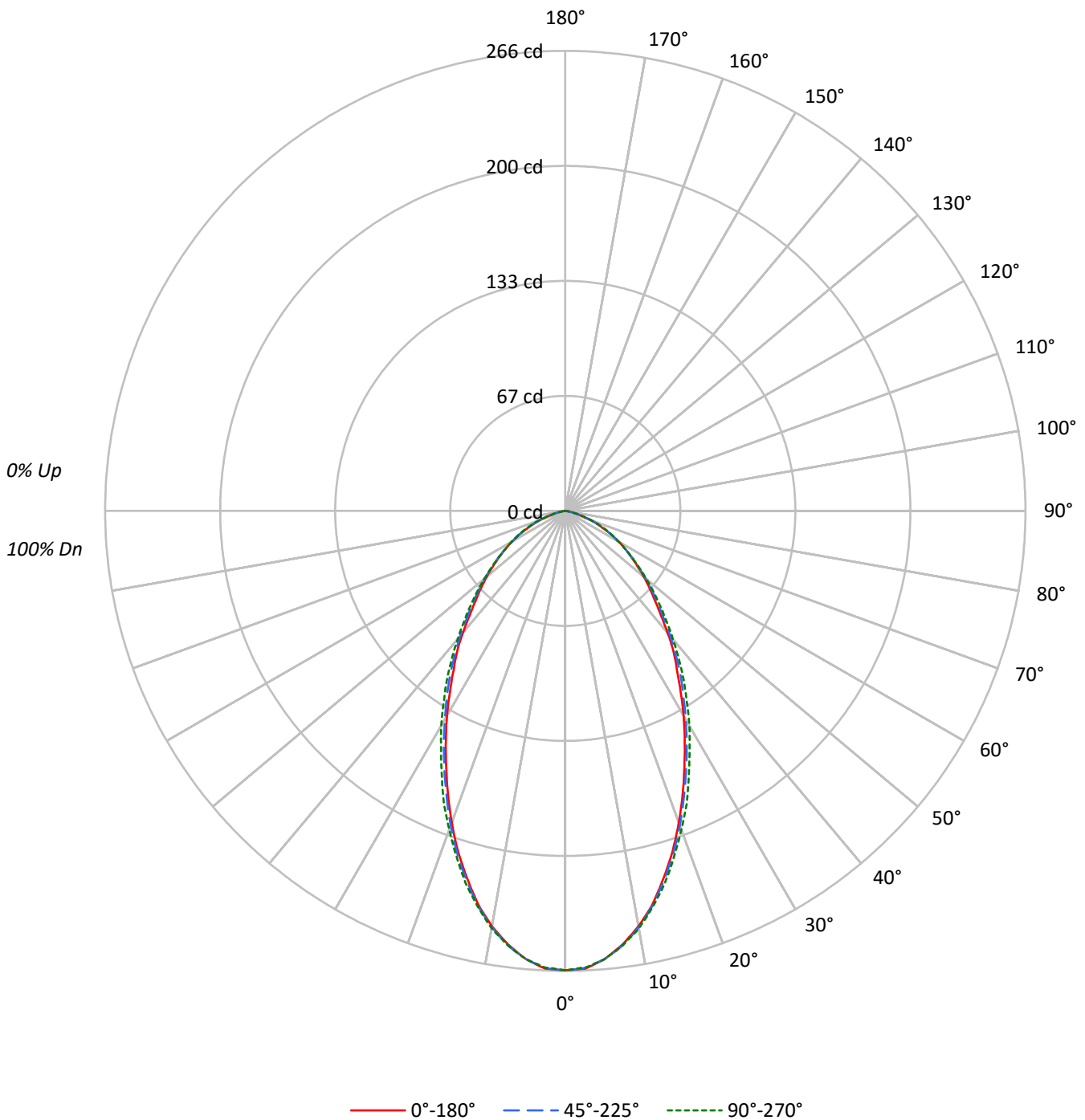
Test Method: LM-79-2019  
Report Number: P1446390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709727DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 370.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
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	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

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

	0°	45°	90°
0°	58241	58241	58241
5°	57275	57275	57275
10°	54308	54441	54575
15°	49875	50148	50556
20°	44757	45177	45761
25°	39389	39970	40841
30°	34638	35246	36309
35°	30142	31106	31909
40°	26335	27022	27709
45°	22700	23444	24034
50°	20230	20639	20844
55°	17815	18045	18045
60°	15657	15394	15657
65°	12868	13179	13490
70°	10066	10066	10450
75°	6693	6185	6185
80°	3788	3031	2273
85°	1510	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 24034 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	6.6
10°-20°	61.7	16.7
20°-30°	76.1	20.6
30°-40°	72.5	19.6
40°-50°	58.7	15.9
50°-60°	42.2	11.4
60°-70°	25.3	6.8
70°-80°	8.5	2.3
80°-90°	0.7	0.2
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°	162.1	43.8
0°-40°	234.6	63.4
0°-60°	335.5	90.7
0°-90°	370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	370.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	266	266	266	266	266	
5°	260	260	260	260	260	24
15°	220	220	221	222	223	61
25°	163	164	165	168	169	75
35°	113	114	116	118	119	71
45°	73	74	76	77	78	57
55°	47	47	47	47	47	42
65°	25	25	25	26	26	25
75°	8	8	7	7	7	9
85°	1	1	0	0	0	1
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°	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
2°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	264.4
2.5°	265.0	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	265.0	264.4
5°	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.8	260.2	260.2
7.5°	252.9	252.9	252.9	252.9	253.5	253.5	253.5	253.5	254.1	254.1	253.5
10°	243.9	243.9	243.9	243.9	244.5	244.5	245.1	244.5	244.5	245.1	245.1
12.5°	233.0	232.4	232.4	232.4	233.0	233.6	233.6	233.6	234.2	234.2	234.2
15°	219.7	219.7	219.7	220.3	220.3	220.9	221.5	221.5	222.1	222.1	222.7
17.5°	206.3	206.3	205.7	206.3	206.9	207.6	208.2	208.8	209.4	209.4	209.4
20°	191.8	191.2	191.8	192.4	193.0	193.6	194.2	195.5	196.1	196.1	196.1
22.5°	177.3	176.7	177.3	177.9	178.5	179.1	180.9	181.5	182.1	182.1	183.3
25°	162.8	162.8	163.4	164.0	164.6	165.2	166.4	167.6	168.2	168.8	168.8
27.5°	149.5	149.5	149.5	149.5	150.7	151.9	153.1	154.3	154.9	155.5	155.5
30°	136.8	136.1	136.1	136.8	138.0	139.2	140.4	141.6	142.2	142.8	143.4
32.5°	124.0	124.0	124.0	124.7	125.3	127.1	128.3	128.9	130.1	130.7	130.7
35°	112.6	112.6	112.6	113.8	115.0	116.2	116.8	118.0	119.2	119.2	119.2
37.5°	102.9	103.5	104.7	104.1	104.1	104.7	105.3	106.5	107.7	107.7	107.7
40°	92.0	92.6	93.2	92.6	93.2	94.4	95.0	95.6	96.2	96.8	96.8
42.5°	81.7	81.7	81.7	82.3	83.5	84.1	85.3	85.9	86.5	86.5	86.5
45°	73.2	73.2	73.8	74.4	75.0	75.6	76.2	76.8	77.5	77.5	77.5
47.5°	66.0	66.0	66.6	66.6	67.2	67.8	68.4	68.4	69.0	69.6	69.0
50°	59.3	59.3	59.3	59.9	59.9	60.5	60.5	61.1	61.1	61.1	61.1
52.5°	52.6	52.6	52.6	52.6	53.2	53.2	53.2	53.9	53.9	53.9	53.9
55°	46.6	46.6	46.6	46.6	46.6	47.2	47.2	47.2	47.2	47.2	47.2
57.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
60°	35.7	35.7	35.7	35.7	35.7	35.1	35.7	35.7	35.7	35.7	35.7
62.5°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.9	30.9	30.9	30.9
65°	24.8	25.4	25.4	25.4	25.4	25.4	25.4	26.0	26.0	26.0	26.0
67.5°	20.0	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.2	21.2	21.2
70°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	16.3
72.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.5	11.5	11.5
75°	7.9	7.9	7.9	7.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
77.5°	5.4	5.4	5.4	4.8	4.8	4.2	4.2	4.2	4.2	4.2	3.6
80°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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

(END OF REPORT)