

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: P1446780

Luminaire Tested: P3ART05R709740DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

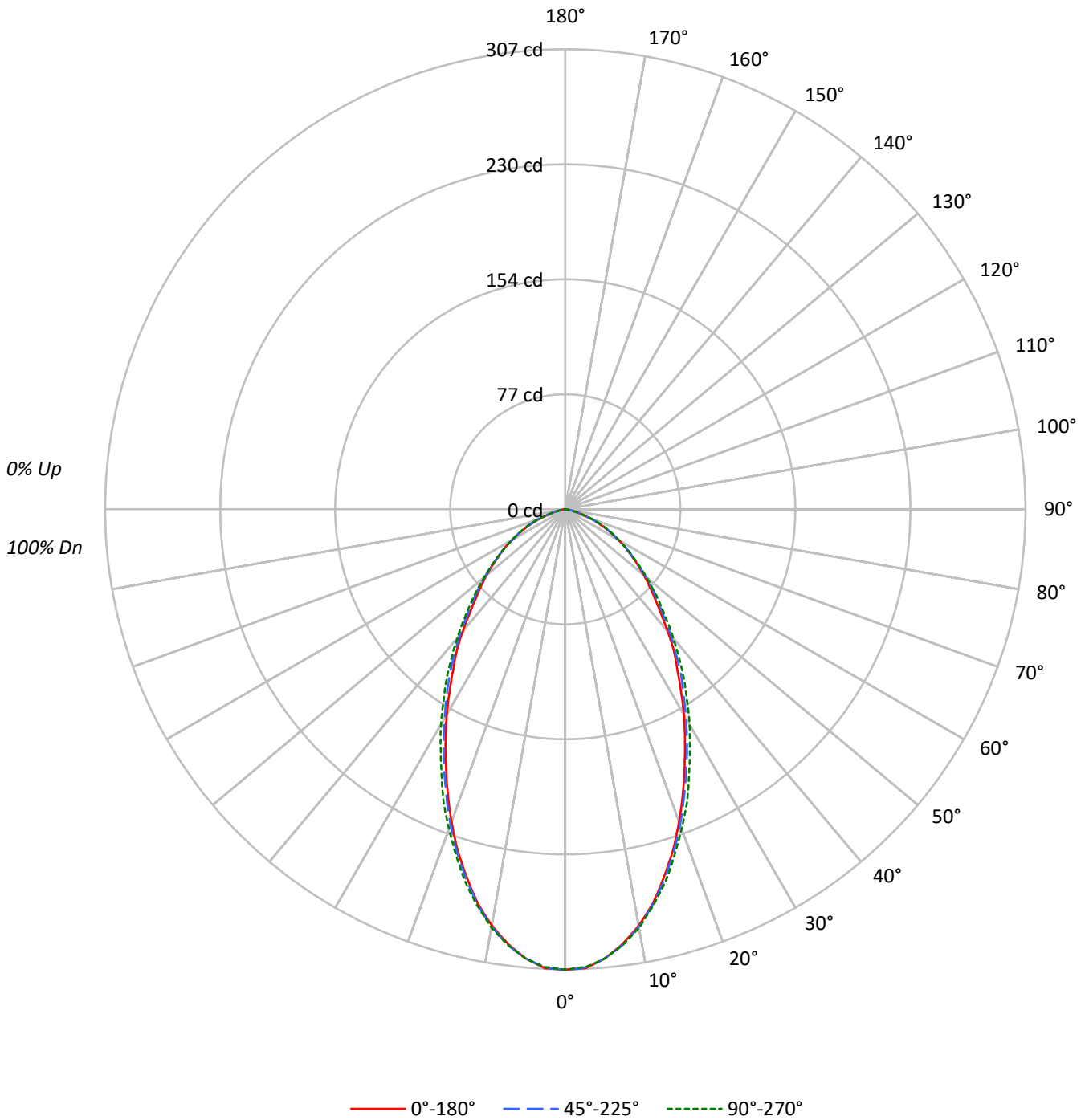
Test Method: LM-79-2019  
Report Number: P1446780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709740DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 428.0 lumens  
Efficiency: N/A  
Efficacy: 59.4 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

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

	0°	45°	90°
0°	67385	67385	67385
5°	66256	66256	66256
10°	62813	62969	63125
15°	57685	58003	58479
20°	51781	52271	52925
25°	45559	46237	47253
30°	40057	40766	42006
35°	34854	35978	36915
40°	30457	31259	32060
45°	26266	27135	27786
50°	23402	23880	24119
55°	20606	20874	20874
60°	18113	17806	18113
65°	14891	15255	15618
70°	11669	11669	12117
75°	7710	7117	7117
80°	4420	3536	2652
85°	1761	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 27786 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.2	6.6
10°-20°	71.4	16.7
20°-30°	88.0	20.6
30°-40°	83.9	19.6
40°-50°	67.9	15.9
50°-60°	48.9	11.4
60°-70°	29.3	6.8
70°-80°	9.8	2.3
80°-90°	0.8	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°	187.5	43.8
0°-40°	271.4	63.4
0°-60°	388.1	90.7
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	301	301	301	301	301	28
15°	254	255	256	256	258	71
25°	188	190	191	194	195	87
35°	130	131	134	137	138	82
45°	85	86	88	89	90	66
55°	54	54	55	55	55	49
65°	29	29	29	30	30	29
75°	9	9	8	8	8	10
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°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2°	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	305.9
2.5°	306.6	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	306.6	305.9
5°	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.7	301.0	301.0
7.5°	292.6	292.6	292.6	292.6	293.3	293.3	293.3	293.3	294.0	294.0	293.3
10°	282.1	282.1	282.1	282.1	282.8	282.8	283.5	282.8	282.8	283.5	283.5
12.5°	269.5	268.8	268.8	268.8	269.5	270.2	270.2	270.2	270.9	270.9	270.9
15°	254.1	254.1	254.1	254.8	254.8	255.5	256.2	256.2	256.9	256.9	257.6
17.5°	238.7	238.7	238.0	238.7	239.4	240.1	240.8	241.5	242.2	242.2	242.2
20°	221.9	221.2	221.9	222.6	223.3	224.0	224.7	226.1	226.8	226.8	226.8
22.5°	205.1	204.4	205.1	205.8	206.5	207.2	209.3	210.0	210.7	210.7	212.1
25°	188.3	188.3	189.0	189.7	190.4	191.1	192.5	193.9	194.6	195.3	195.3
27.5°	172.9	172.9	172.9	172.9	174.3	175.7	177.1	178.5	179.2	179.9	179.9
30°	158.2	157.5	157.5	158.2	159.6	161.0	162.4	163.8	164.5	165.2	165.9
32.5°	143.5	143.5	143.5	144.2	144.9	147.0	148.4	149.1	150.5	151.2	151.2
35°	130.2	130.2	130.2	131.6	133.0	134.4	135.1	136.5	137.9	137.9	137.9
37.5°	119.0	119.7	121.1	120.4	120.4	121.1	121.8	123.2	124.6	124.6	124.6
40°	106.4	107.1	107.8	107.1	107.8	109.2	109.9	110.6	111.3	112.0	112.0
42.5°	94.5	94.5	94.5	95.2	96.6	97.3	98.7	99.4	100.1	100.1	100.1
45°	84.7	84.7	85.4	86.1	86.8	87.5	88.2	88.9	89.6	89.6	89.6
47.5°	76.3	76.3	77.0	77.0	77.7	78.4	79.1	79.1	79.8	80.5	79.8
50°	68.6	68.6	68.6	69.3	69.3	70.0	70.0	70.7	70.7	70.7	70.7
52.5°	60.9	60.9	60.9	60.9	61.6	61.6	61.6	62.3	62.3	62.3	62.3
55°	53.9	53.9	53.9	53.9	53.9	54.6	54.6	54.6	54.6	54.6	54.6
57.5°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
60°	41.3	41.3	41.3	41.3	41.3	40.6	41.3	41.3	41.3	41.3	41.3
62.5°	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.7	35.7	35.7	35.7
65°	28.7	29.4	29.4	29.4	29.4	29.4	29.4	30.1	30.1	30.1	30.1
67.5°	23.1	23.8	23.8	23.8	23.8	23.8	23.8	23.8	24.5	24.5	24.5
70°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.9
72.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.3	13.3	13.3
75°	9.1	9.1	9.1	9.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	6.3	6.3	6.3	5.6	5.6	4.9	4.9	4.9	4.9	4.9	4.2
80°	3.5	3.5	3.5	3.5	3.5	2.8	2.8	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	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)