

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: P1446260

Luminaire Tested: P3ART05R709050DE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

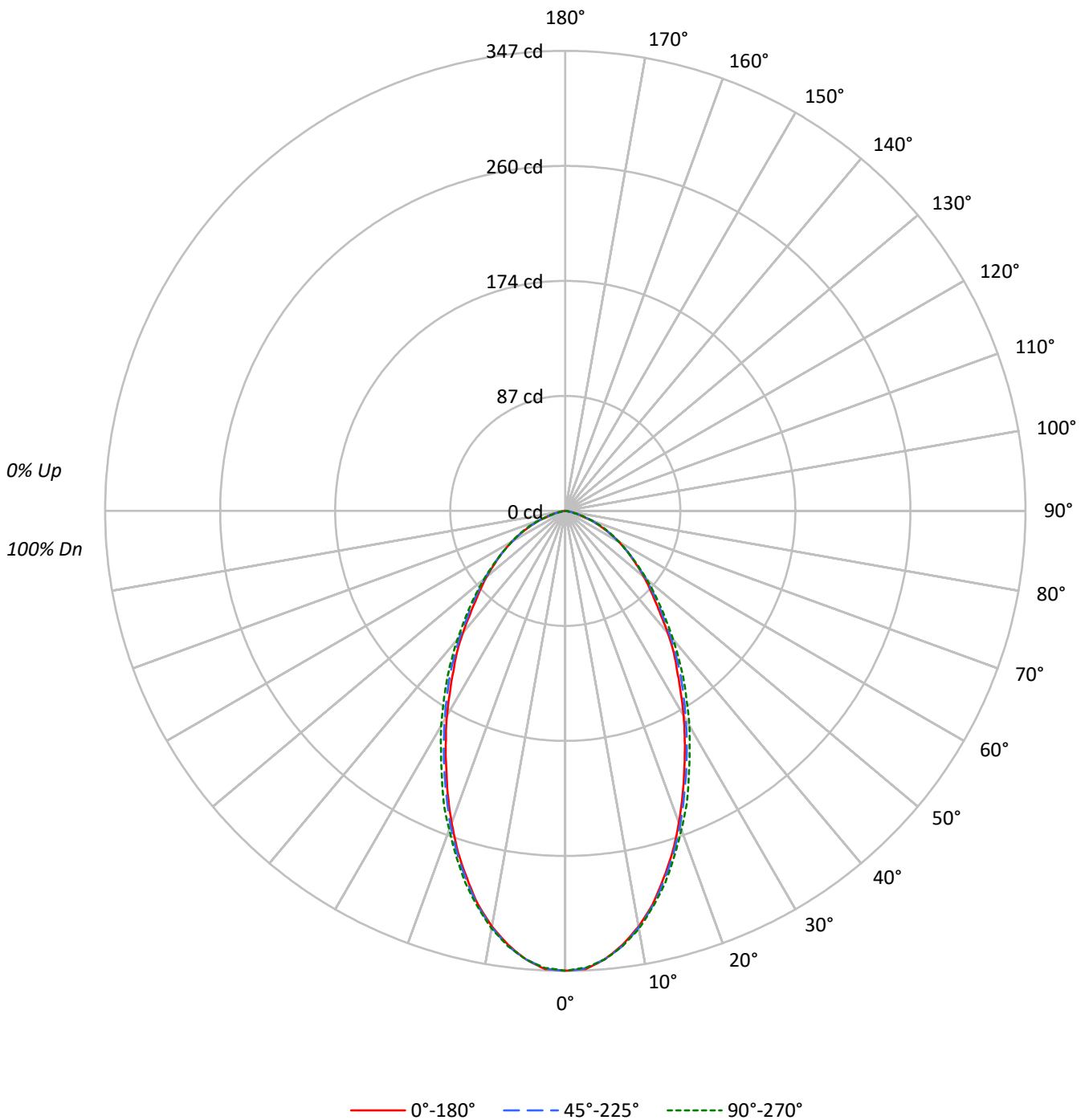
Test Method: LM-79-2019  
Report Number: P1446260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R709050DE010 E3CLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 483.0 lumens  
Efficiency: N/A  
Efficacy: 67.1 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°	76047	76047	76047
5°	74774	74774	74774
10°	70874	71052	71230
15°	65086	65449	65994
20°	58432	58992	59715
25°	51414	52164	53326
30°	45197	46007	47400
35°	39324	40609	41653
40°	34379	35266	36182
45°	29646	30608	31352
50°	26404	26950	27223
55°	23244	23550	23550
60°	20437	20086	20437
65°	16811	17226	17641
70°	13143	13143	13656
75°	8727	8049	8049
80°	4925	4041	3031
85°	2013	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 31352 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	6.6
10°-20°	80.5	16.7
20°-30°	99.3	20.6
30°-40°	94.6	19.6
40°-50°	76.6	15.9
50°-60°	55.1	11.4
60°-70°	33.0	6.8
70°-80°	11.1	2.3
80°-90°	0.9	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°	211.6	43.8
0°-40°	306.3	63.4
0°-60°	438.0	90.7
0°-90°	483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	340	340	340	340	340	32
15°	287	287	288	289	291	80
25°	212	214	216	219	220	98
35°	147	148	152	154	156	92
45°	96	97	99	100	101	74
55°	61	61	62	62	62	55
65°	32	33	33	34	34	32
75°	10	10	10	10	10	12
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°	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8
2°	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	346.0	345.2
2.5°	346.0	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	346.0	345.2
5°	339.7	339.7	339.7	339.7	339.7	339.7	339.7	339.7	340.5	339.7	339.7
7.5°	330.2	330.2	330.2	330.2	331.0	331.0	331.0	331.0	331.8	331.8	331.0
10°	318.3	318.3	318.3	318.3	319.1	319.1	319.9	319.1	319.1	319.9	319.9
12.5°	304.1	303.3	303.3	303.3	304.1	304.9	304.9	304.9	305.7	305.7	305.7
15°	286.7	286.7	286.7	287.5	287.5	288.3	289.1	289.1	289.9	289.9	290.7
17.5°	269.4	269.4	268.6	269.4	270.2	270.9	271.7	272.5	273.3	273.3	273.3
20°	250.4	249.6	250.4	251.2	252.0	252.8	253.6	255.1	255.9	255.9	255.9
22.5°	231.4	230.7	231.4	232.2	233.0	233.8	236.2	237.0	237.8	237.8	239.3
25°	212.5	212.5	213.3	214.1	214.9	215.6	217.2	218.8	219.6	220.4	220.4
27.5°	195.1	195.1	195.1	195.1	196.7	198.3	199.8	201.4	202.2	203.0	203.0
30°	178.5	177.7	177.7	178.5	180.1	181.7	183.3	184.8	185.6	186.4	187.2
32.5°	161.9	161.9	161.9	162.7	163.5	165.9	167.5	168.3	169.8	170.6	170.6
35°	146.9	146.9	146.9	148.5	150.1	151.7	152.5	154.0	155.6	155.6	155.6
37.5°	134.3	135.1	136.7	135.9	135.9	136.7	137.4	139.0	140.6	140.6	140.6
40°	120.1	120.9	121.6	120.9	121.6	123.2	124.0	124.8	125.6	126.4	126.4
42.5°	106.6	106.6	106.6	107.4	109.0	109.8	111.4	112.2	113.0	113.0	113.0
45°	95.6	95.6	96.4	97.2	97.9	98.7	99.5	100.3	101.1	101.1	101.1
47.5°	86.1	86.1	86.9	86.9	87.7	88.5	89.3	89.3	90.1	90.8	90.1
50°	77.4	77.4	77.4	78.2	78.2	79.0	79.0	79.8	79.8	79.8	79.8
52.5°	68.7	68.7	68.7	68.7	69.5	69.5	69.5	70.3	70.3	70.3	70.3
55°	60.8	60.8	60.8	60.8	60.8	61.6	61.6	61.6	61.6	61.6	61.6
57.5°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
60°	46.6	46.6	46.6	46.6	46.6	45.8	46.6	46.6	46.6	46.6	46.6
62.5°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	40.3	40.3	40.3	40.3
65°	32.4	33.2	33.2	33.2	33.2	33.2	33.2	34.0	34.0	34.0	34.0
67.5°	26.1	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.6	27.6	27.6
70°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	21.3
72.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	15.0	15.0	15.0
75°	10.3	10.3	10.3	10.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	7.1	7.1	7.1	6.3	6.3	5.5	5.5	5.5	5.5	5.5	4.7
80°	3.9	3.9	3.9	3.9	3.9	3.2	3.2	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	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)