

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: P1446044

Luminaire Tested: P3ART09R709035DE010 E3LDWW1WMH

Issue Date: 5/8/2026

**Test Information**

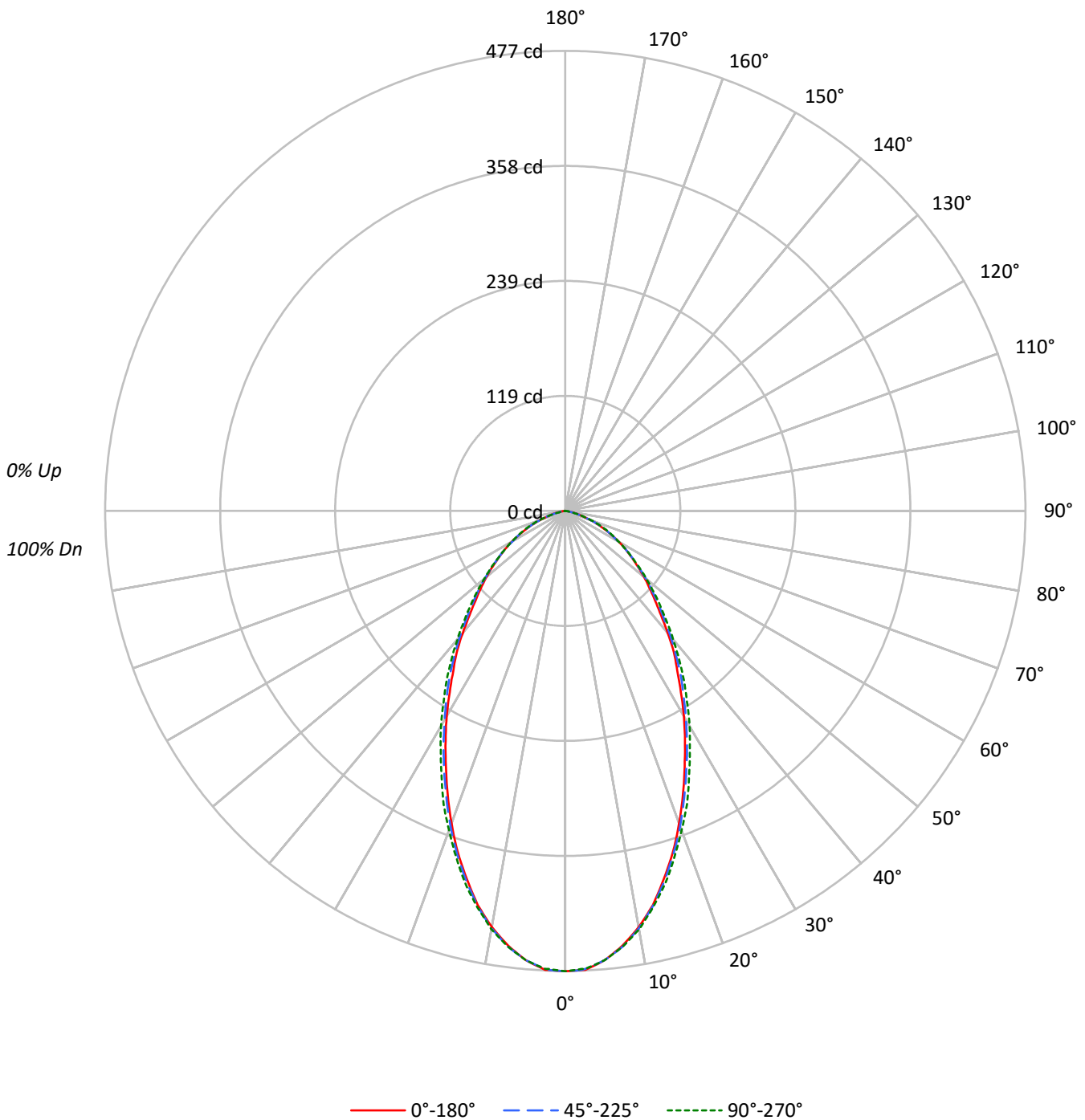
Test Method: LM-79-2019  
Report Number: P1446044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709035DE010 E3LDWW1WMH  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LDWW1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 665.1 lumens  
Efficiency: N/A  
Efficacy: 59.9 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): 11.1  
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	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	89	
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	69	
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	35	

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

	0°	45°	90°
0°	104685	104685	104685
5°	102949	102949	102949
10°	97593	97838	98083
15°	89626	90125	90852
20°	80460	81207	82234
25°	70794	71835	73407
30°	62237	63326	65276
35°	54154	55894	57340
40°	47317	48577	49808
45°	40810	42144	43167
50°	36366	37116	37457
55°	31999	32419	32419
60°	28156	27673	28156
65°	23141	23712	24283
70°	18144	18144	18849
75°	11946	11099	11099
80°	6819	5556	4167
85°	2768	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 43167 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	6.6
10°-20°	110.9	16.7
20°-30°	136.7	20.6
30°-40°	130.3	19.6
40°-50°	105.4	15.9
50°-60°	75.9	11.4
60°-70°	45.5	6.8
70°-80°	15.2	2.3
80°-90°	1.3	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°	291.4	43.8
0°-40°	421.7	63.4
0°-60°	603.0	90.7
0°-90°	665.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	468	468	468	468	468	44
15°	395	396	397	398	400	110
25°	293	294	297	302	303	135
35°	202	204	209	213	214	127
45°	132	134	136	138	139	103
55°	84	84	85	85	85	75
65°	45	46	46	47	47	45
75°	14	14	13	13	13	16
85°	1	1	0	0	0	2
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°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4
2°	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	475.3
2.5°	476.4	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	476.4	475.3
5°	467.7	467.7	467.7	467.7	467.7	467.7	467.7	467.7	468.7	467.7	467.7
7.5°	454.6	454.6	454.6	454.6	455.7	455.7	455.7	455.7	456.8	456.8	455.7
10°	438.3	438.3	438.3	438.3	439.4	439.4	440.5	439.4	439.4	440.5	440.5
12.5°	418.7	417.6	417.6	417.6	418.7	419.8	419.8	419.8	420.9	420.9	420.9
15°	394.8	394.8	394.8	395.9	395.9	397.0	398.0	398.0	399.1	399.1	400.2
17.5°	370.9	370.9	369.8	370.9	371.9	373.0	374.1	375.2	376.3	376.3	376.3
20°	344.8	343.7	344.8	345.8	346.9	348.0	349.1	351.3	352.4	352.4	352.4
22.5°	318.7	317.6	318.7	319.7	320.8	321.9	325.2	326.3	327.4	327.4	329.5
25°	292.6	292.6	293.6	294.7	295.8	296.9	299.1	301.3	302.3	303.4	303.4
27.5°	268.6	268.6	268.6	268.6	270.8	273.0	275.2	277.3	278.4	279.5	279.5
30°	245.8	244.7	244.7	245.8	248.0	250.1	252.3	254.5	255.6	256.7	257.8
32.5°	222.9	222.9	222.9	224.0	225.1	228.4	230.6	231.7	233.8	234.9	234.9
35°	202.3	202.3	202.3	204.5	206.6	208.8	209.9	212.1	214.2	214.2	214.2
37.5°	184.9	186.0	188.1	187.1	187.1	188.1	189.2	191.4	193.6	193.6	193.6
40°	165.3	166.4	167.5	166.4	167.5	169.7	170.7	171.8	172.9	174.0	174.0
42.5°	146.8	146.8	146.8	147.9	150.1	151.2	153.3	154.4	155.5	155.5	155.5
45°	131.6	131.6	132.7	133.8	134.9	135.9	137.0	138.1	139.2	139.2	139.2
47.5°	118.5	118.5	119.6	119.6	120.7	121.8	122.9	122.9	124.0	125.1	124.0
50°	106.6	106.6	106.6	107.7	107.7	108.8	108.8	109.8	109.8	109.8	109.8
52.5°	94.6	94.6	94.6	94.6	95.7	95.7	95.7	96.8	96.8	96.8	96.8
55°	83.7	83.7	83.7	83.7	83.7	84.8	84.8	84.8	84.8	84.8	84.8
57.5°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
60°	64.2	64.2	64.2	64.2	64.2	63.1	64.2	64.2	64.2	64.2	64.2
62.5°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	55.5	55.5	55.5	55.5
65°	44.6	45.7	45.7	45.7	45.7	45.7	45.7	46.8	46.8	46.8	46.8
67.5°	35.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	38.1	38.1	38.1
70°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	29.4
72.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	20.7	20.7	20.7
75°	14.1	14.1	14.1	14.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
77.5°	9.8	9.8	9.8	8.7	8.7	7.6	7.6	7.6	7.6	7.6	6.5
80°	5.4	5.4	5.4	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)