

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: P3ART02R709830DE010 E3LDWW1H

Issue Date: 5/8/2026

**Test Information**

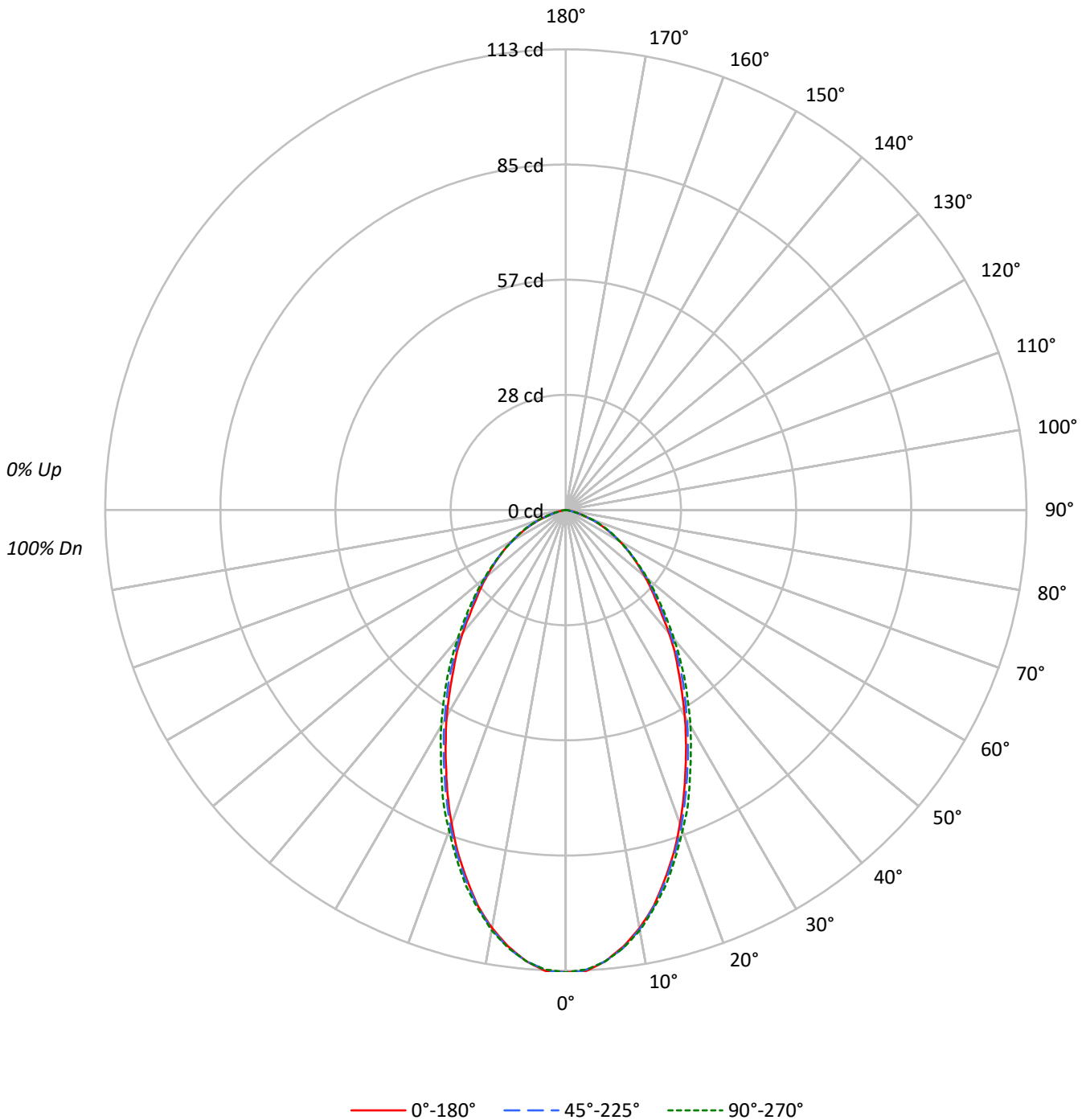
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709830DE010 E3LDWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LDWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 158.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 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): 3.6  
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	75	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	60	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°	24866	24866	24866
5°	24455	24455	24455
10°	23179	23246	23313
15°	21294	21408	21589
20°	19112	19298	19532
25°	16815	17057	17445
30°	14787	15040	15496
35°	12876	13278	13626
40°	11250	11536	11822
45°	9706	10017	10265
50°	8631	8801	8904
55°	7608	7723	7723
60°	6666	6578	6666
65°	5500	5656	5759
70°	4296	4296	4488
75°	2881	2626	2626
80°	1642	1263	1010
85°	755	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 10265 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	6.6
10°-20°	26.3	16.7
20°-30°	32.5	20.6
30°-40°	31.0	19.6
40°-50°	25.0	15.9
50°-60°	18.0	11.4
60°-70°	10.8	6.8
70°-80°	3.6	2.3
80°-90°	0.3	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
<b>0°-30°</b>	<b>69.2</b>	<b>43.8</b>
<b>0°-40°</b>	<b>100.2</b>	<b>63.4</b>
<b>0°-60°</b>	<b>143.3</b>	<b>90.7</b>
<b>0°-90°</b>	<b>158.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>158.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	113	113	113	113	113	
5°	111	111	111	111	111	10
15°	94	94	94	95	95	26
25°	70	70	70	72	72	32
35°	48	48	50	51	51	30
45°	31	32	32	33	33	24
55°	20	20	20	20	20	18
65°	11	11	11	11	11	11
75°	3	3	3	3	3	4
85°	0	0	0	0	0	0
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°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4
2°	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	112.9
2.5°	113.2	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	113.2	112.9
5°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.4	111.1	111.1
7.5°	108.0	108.0	108.0	108.0	108.3	108.3	108.3	108.3	108.5	108.5	108.3
10°	104.1	104.1	104.1	104.1	104.4	104.4	104.7	104.4	104.4	104.7	104.7
12.5°	99.5	99.2	99.2	99.2	99.5	99.7	99.7	99.7	100.0	100.0	100.0
15°	93.8	93.8	93.8	94.1	94.1	94.3	94.6	94.6	94.8	94.8	95.1
17.5°	88.1	88.1	87.9	88.1	88.4	88.6	88.9	89.1	89.4	89.4	89.4
20°	81.9	81.7	81.9	82.2	82.4	82.7	82.9	83.5	83.7	83.7	83.7
22.5°	75.7	75.5	75.7	76.0	76.2	76.5	77.3	77.5	77.8	77.8	78.3
25°	69.5	69.5	69.8	70.0	70.3	70.5	71.1	71.6	71.8	72.1	72.1
27.5°	63.8	63.8	63.8	63.8	64.3	64.9	65.4	65.9	66.1	66.4	66.4
30°	58.4	58.1	58.1	58.4	58.9	59.4	59.9	60.5	60.7	61.0	61.2
32.5°	53.0	53.0	53.0	53.2	53.5	54.3	54.8	55.0	55.6	55.8	55.8
35°	48.1	48.1	48.1	48.6	49.1	49.6	49.9	50.4	50.9	50.9	50.9
37.5°	43.9	44.2	44.7	44.4	44.4	44.7	45.0	45.5	46.0	46.0	46.0
40°	39.3	39.5	39.8	39.5	39.8	40.3	40.6	40.8	41.1	41.3	41.3
42.5°	34.9	34.9	34.9	35.1	35.7	35.9	36.4	36.7	37.0	37.0	37.0
45°	31.3	31.3	31.5	31.8	32.0	32.3	32.6	32.8	33.1	33.1	33.1
47.5°	28.2	28.2	28.4	28.4	28.7	28.9	29.2	29.2	29.5	29.7	29.5
50°	25.3	25.3	25.3	25.6	25.6	25.8	25.8	26.1	26.1	26.1	26.1
52.5°	22.5	22.5	22.5	22.5	22.7	22.7	22.7	23.0	23.0	23.0	23.0
55°	19.9	19.9	19.9	19.9	19.9	20.2	20.2	20.2	20.2	20.2	20.2
57.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
60°	15.2	15.2	15.2	15.2	15.2	15.0	15.2	15.2	15.2	15.2	15.2
62.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.2	13.2	13.2	13.2
65°	10.6	10.9	10.9	10.9	10.9	10.9	10.9	11.1	11.1	11.1	11.1
67.5°	8.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.0	9.0
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.0
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9	4.9	4.9
75°	3.4	3.4	3.4	3.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.3	2.3	2.3	2.1	2.1	1.8	1.8	1.8	1.8	1.8	1.6
80°	1.3	1.3	1.3	1.3	1.3	1.0	1.0	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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)