

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: P1273973

Luminaire Tested: P3AS13R209830DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

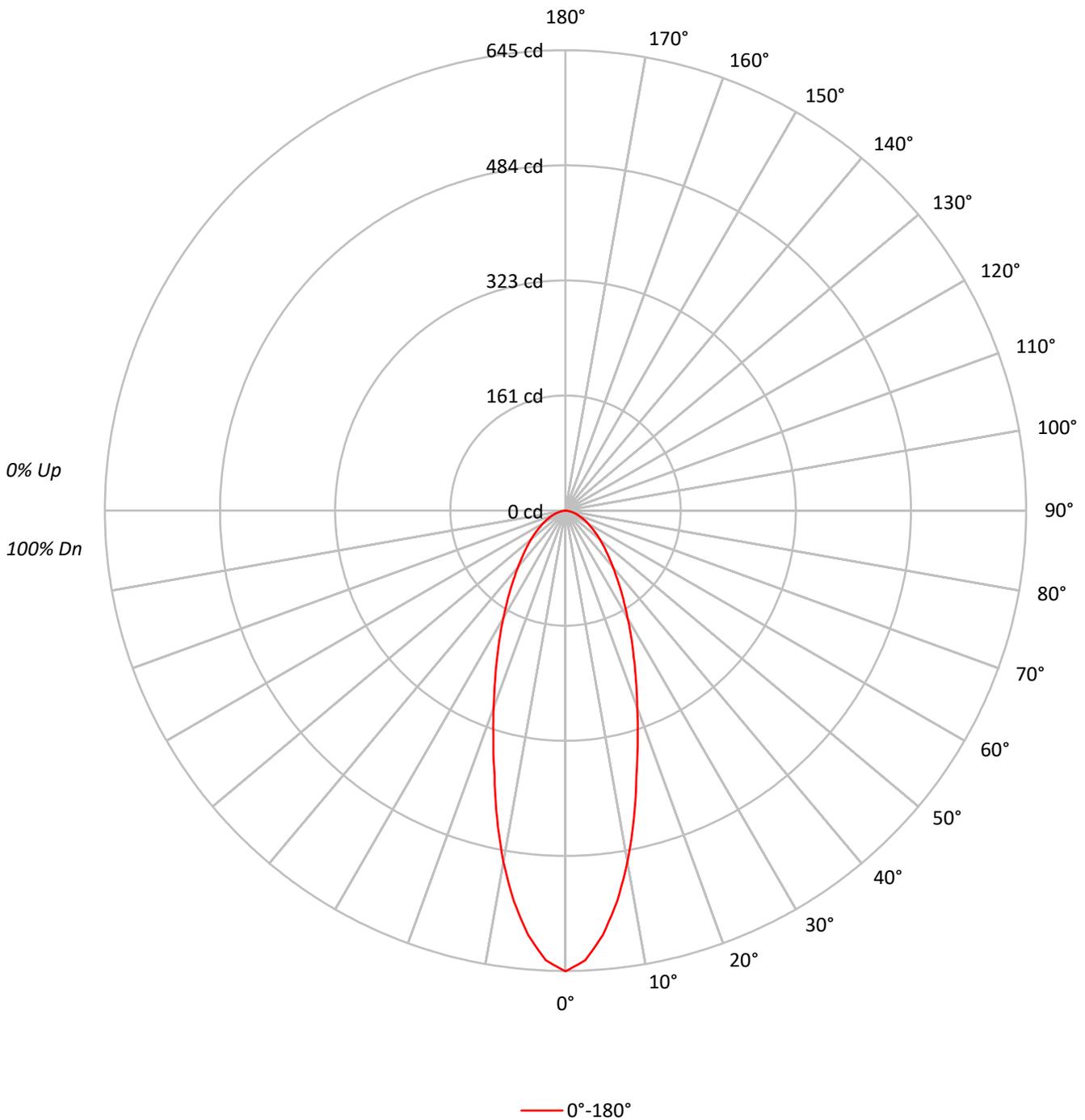
Test Method: LM-79-2019  
Report Number: P1273973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R209830DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 499.0 lumens  
Efficiency: N/A  
Efficacy: 34.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	100	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55	55	55	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47	47	47	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41	41

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

	0°
0°	141524
5°	131455
10°	111332
15°	87151
20°	68583
25°	54656
30°	43956
35°	35844
40°	29656
45°	24964
50°	21424
55°	18389
60°	16051
65°	14113
70°	12053
75°	10675
80°	7956
85°	5284

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24964 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	10.8
10°-20°	107.5	21.5
20°-30°	104.3	20.9
30°-40°	84.3	16.9
40°-50°	62.7	12.6
50°-60°	43.5	8.7
60°-70°	27.3	5.5
70°-80°	13.2	2.7
80°-90°	2.3	0.5
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°	265.7	53.3
0°-40°	350.0	70.2
0°-60°	456.2	91.4
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	645	
5°	597	54
15°	384	107
25°	226	104
35°	134	84
45°	80	63
55°	48	44
65°	27	27
75°	13	13
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	645.4
2.5°	630.7
5°	597.2
7.5°	552.3
10°	500.0
12.5°	442.4
15°	383.9
17.5°	335.8
20°	293.9
22.5°	257.3
25°	225.9
27.5°	198.7
30°	173.6
32.5°	152.7
35°	133.9
37.5°	117.1
40°	103.6
42.5°	91.0
45°	80.5
47.5°	71.1
50°	62.8
52.5°	55.4
55°	48.1
57.5°	41.8
60°	36.6
62.5°	32.4
65°	27.2
67.5°	23.0
70°	18.8
72.5°	15.7
75°	12.6
77.5°	9.4
80°	6.3
82.5°	3.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)