

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: P1254596

Luminaire Tested: P3AS13R159035DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

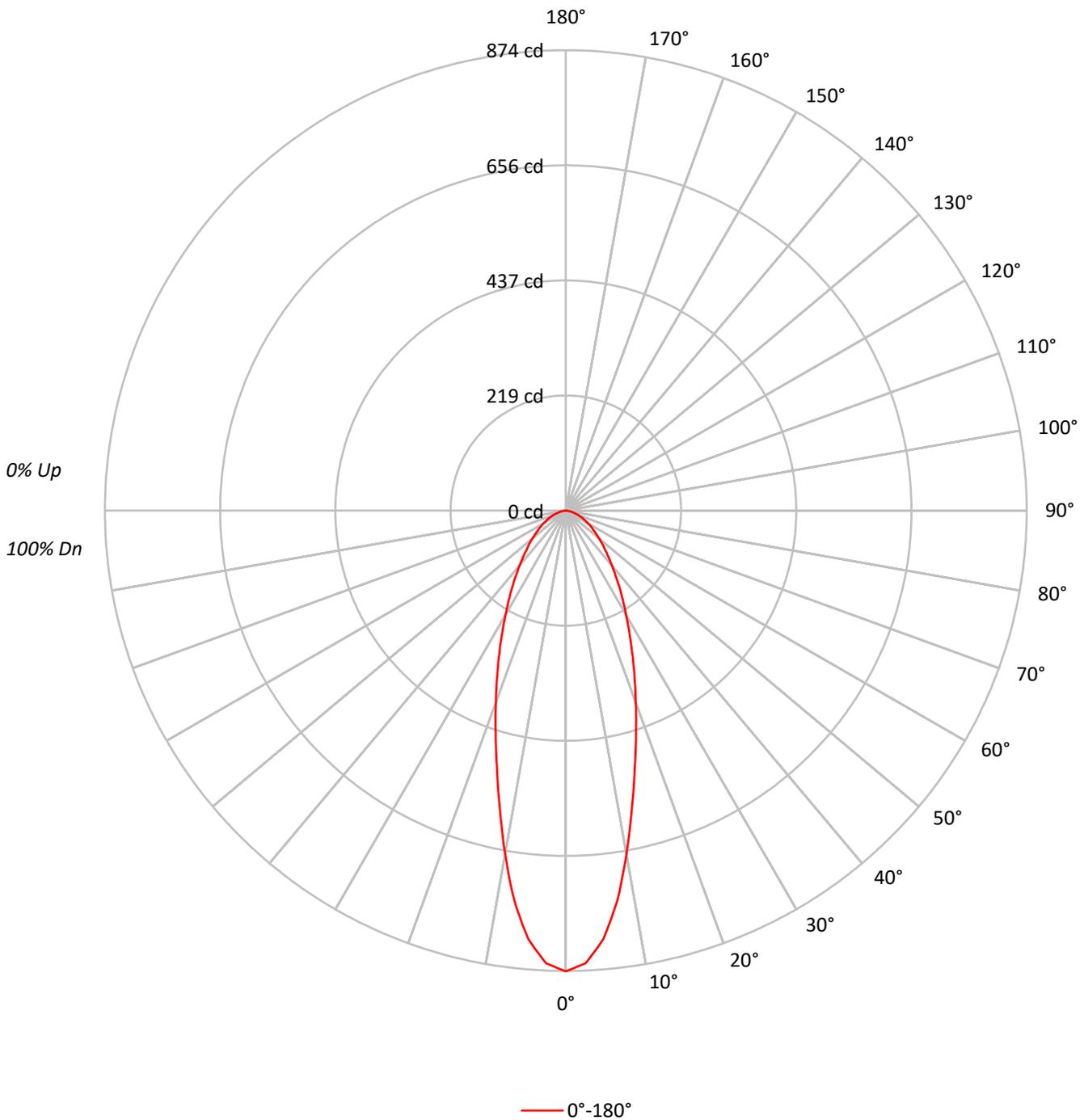
Test Method: LM-79-2019  
Report Number: P1254596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R159035DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 659.0 lumens  
Efficiency: N/A  
Efficacy: 45.1 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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

TEST NUMBER: P1254596  
CATALOG NUMBER: P3AS13R159035DE010 E3PHLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1254596  
 CATALOG NUMBER: P3AS13R159035DE010 E3PHLD1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90				90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80				80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72				72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55				55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51				51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47				47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42				42

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

	0°
0°	191761
5°	179771
10°	147425
15°	114530
20°	90401
25°	72053
30°	57832
35°	47221
40°	38901
45°	32717
50°	28110
55°	24315
60°	21533
65°	18731
70°	16669
75°	13471
80°	10986
85°	7296

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 32717 cd/sqm



TEST NUMBER: P1254596  
 CATALOG NUMBER: P3AS13R159035DE010 E3PHLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	11.1
10°-20°	141.3	21.4
20°-30°	137.4	20.8
30°-40°	111.0	16.8
40°-50°	82.4	12.5
50°-60°	57.6	8.7
60°-70°	36.1	5.5
70°-80°	17.1	2.6
80°-90°	3.1	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°	351.6	53.4
0°-40°	462.6	70.2
0°-60°	602.7	91.4
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	874	
5°	817	73
15°	504	141
25°	298	137
35°	176	111
45°	106	82
55°	64	58
65°	36	36
75°	16	17
85°	3	3
90°	0	



TEST NUMBER: P1254596  
CATALOG NUMBER: P3AS13R159035DE010 E3PHLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	874.5
2.5°	860.1
5°	816.7
7.5°	747.3
10°	662.1
12.5°	578.2
15°	504.5
17.5°	442.3
20°	387.4
22.5°	339.7
25°	297.8
27.5°	260.2
30°	228.4
32.5°	200.9
35°	176.4
37.5°	154.7
40°	135.9
42.5°	120.0
45°	105.5
47.5°	94.0
50°	82.4
52.5°	72.3
55°	63.6
57.5°	56.4
60°	49.1
62.5°	41.9
65°	36.1
67.5°	30.4
70°	26.0
72.5°	20.2
75°	15.9
77.5°	11.6
80°	8.7
82.5°	4.3
85°	2.9
87.5°	0.0
90°	0.0

(END OF REPORT)