

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: P1258024

Luminaire Tested: P3AS20R159040D010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

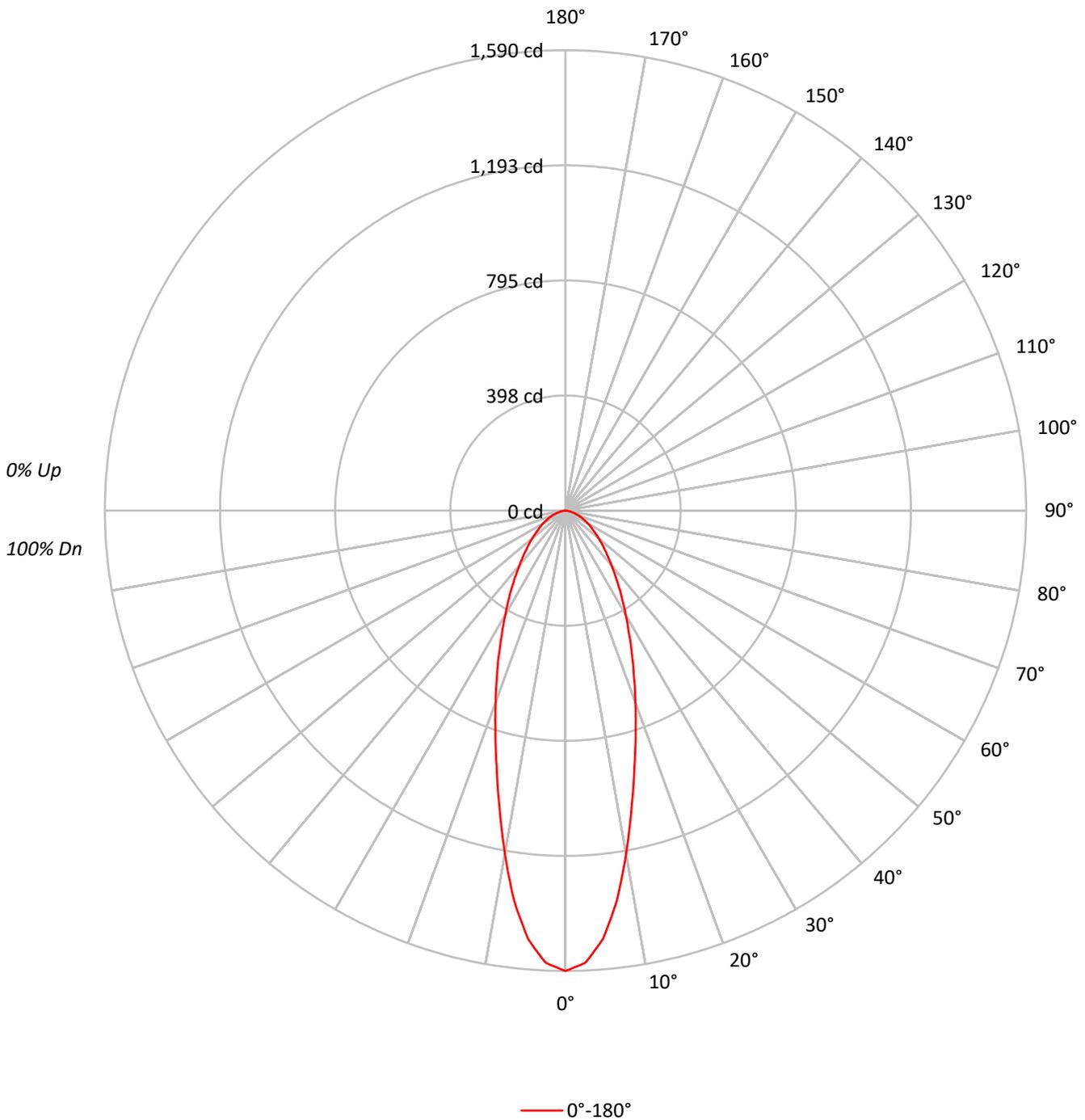
Test Method: LM-79-2019  
Report Number: P1258024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS20R159040D010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1198.0 lumens  
Efficiency: N/A  
Efficacy: 41.6 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	100		
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90		
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42		

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

	0°
0°	348612
5°	326810
10°	267998
15°	208196
20°	164351
25°	130967
30°	105130
35°	85822
40°	70704
45°	59479
50°	51103
55°	44194
60°	39164
65°	34089
70°	30326
75°	24485
80°	19952
85°	13335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 59479 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.6	11.1
10°-20°	256.9	21.4
20°-30°	249.7	20.8
30°-40°	201.8	16.8
40°-50°	149.8	12.5
50°-60°	104.7	8.7
60°-70°	65.6	5.5
70°-80°	31.2	2.6
80°-90°	5.7	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°	639.2	53.4
0°-40°	841.0	70.2
0°-60°	1095.5	91.4
0°-90°	1198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1590	
5°	1485	133
15°	917	257
25°	541	250
35°	321	202
45°	192	150
55°	116	105
65°	66	66
75°	29	31
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1589.8
2.5°	1563.6
5°	1484.7
7.5°	1358.6
10°	1203.6
12.5°	1051.1
15°	917.1
17.5°	804.1
20°	704.3
22.5°	617.5
25°	541.3
27.5°	473.0
30°	415.2
32.5°	365.3
35°	320.6
37.5°	281.2
40°	247.0
42.5°	218.1
45°	191.8
47.5°	170.8
50°	149.8
52.5°	131.4
55°	115.6
57.5°	102.5
60°	89.3
62.5°	76.2
65°	65.7
67.5°	55.2
70°	47.3
72.5°	36.8
75°	28.9
77.5°	21.0
80°	15.8
82.5°	7.9
85°	5.3
87.5°	0.0
90°	0.0

(END OF REPORT)