

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: P1282831

Luminaire Tested: P3AS09R20B2750DE010 E3PHLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

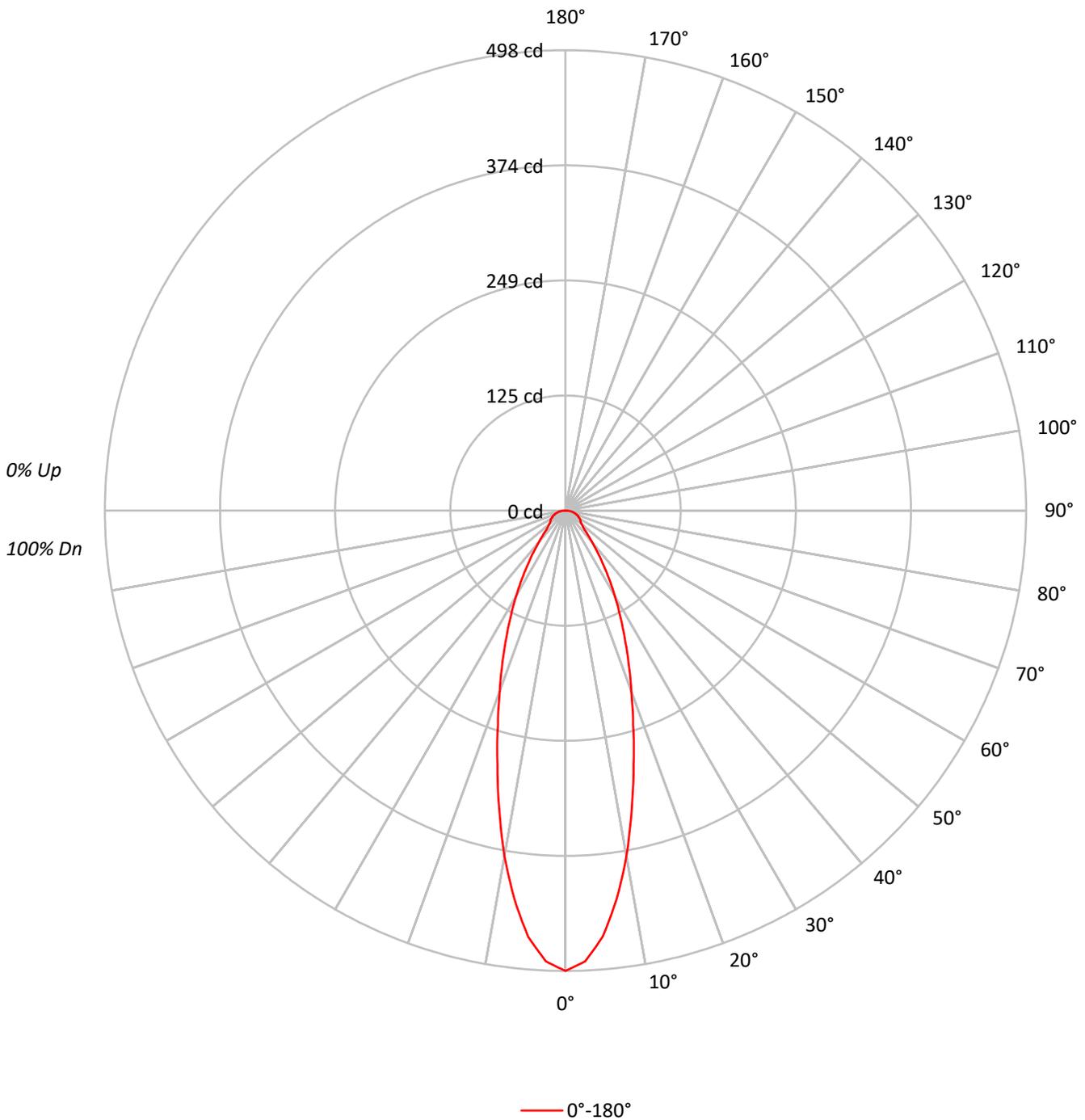
Test Method: LM-79-2019  
Report Number: P1282831  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20B2750DE010 E3PHLP1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 307.0 lumens  
Efficiency: N/A  
Efficacy: 23.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 13.1  
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				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	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81				81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74				74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68				68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63				63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59				59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55				55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52				52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49				49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46				46

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

	0°
0°	109180
5°	101827
10°	84501
15°	64609
20°	48491
25°	36510
30°	26991
35°	18872
40°	12939
45°	8962
50°	7710
55°	7608
60°	7938
65°	7990
70°	8078
75°	8388
80°	9092
85°	9057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 82.5°  
 Luminance: 10584 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	13.5
10°-20°	79.1	25.8
20°-30°	69.6	22.7
30°-40°	44.9	14.6
40°-50°	23.8	7.8
50°-60°	17.9	5.8
60°-70°	15.2	5.0
70°-80°	10.7	3.5
80°-90°	4.2	1.4
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°	190.2	62.0
0°-40°	235.1	76.6
0°-60°	276.9	90.2
0°-90°	307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	307.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	498	
5°	463	41
15°	285	79
25°	151	70
35°	70	45
45°	29	24
55°	20	18
65°	15	15
75°	10	11
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	497.9
2.5°	487.9
5°	462.6
7.5°	423.8
10°	379.5
12.5°	330.7
15°	284.6
17.5°	243.1
20°	207.8
22.5°	178.0
25°	150.9
27.5°	127.4
30°	106.6
32.5°	87.6
35°	70.5
37.5°	56.9
40°	45.2
42.5°	36.1
45°	28.9
47.5°	25.3
50°	22.6
52.5°	20.8
55°	19.9
57.5°	19.0
60°	18.1
62.5°	16.3
65°	15.4
67.5°	14.5
70°	12.6
72.5°	11.7
75°	9.9
77.5°	9.0
80°	7.2
82.5°	6.3
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)