

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: P1282781

Luminaire Tested: P3AS09R20B2750DE010 E3DL1WMH\_5000K

Issue Date: 1/30/2026

**Test Information**

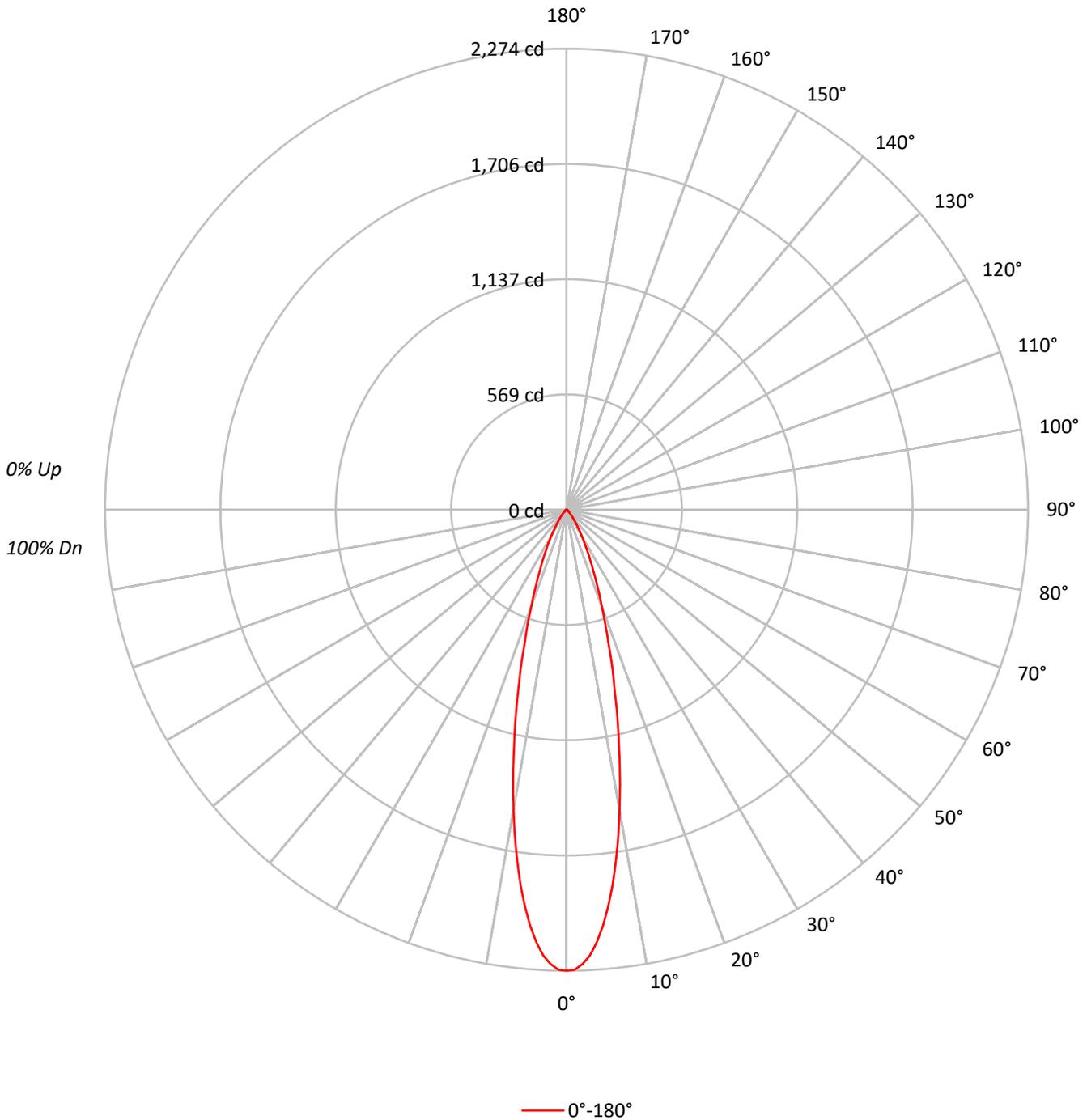
Test Method: LM-79-2019  
Report Number: P1282781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R20B2750DE010 E3DL1WMH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3DL1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 648.0 lumens  
Efficiency: N/A  
Efficacy: 49.5 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 13.1  
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	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	78	74	72	71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	75	72	69	68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	73	69	67	66

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

	0°
0°	498557
5°	453202
10°	334953
15°	207198
20°	118334
25°	67552
30°	37879
35°	20612
40°	11278
45°	6202
50°	3616
55°	2638
60°	2456
65°	2283
70°	1988
75°	2118
80°	1642
85°	1510

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6202 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.3	27.5
10°-20°	254.5	39.3
20°-30°	132.9	20.5
30°-40°	51.4	7.9
40°-50°	16.7	2.6
50°-60°	6.6	1.0
60°-70°	4.3	0.7
70°-80°	2.6	0.4
80°-90°	0.9	0.1
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°	565.7	87.3
0°-40°	617.0	95.2
0°-60°	640.3	98.8
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2274	
5°	2059	178
15°	913	255
25°	279	133
35°	77	51
45°	20	17
55°	7	7
65°	4	4
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2273.6
1°	2269.2
2°	2242.3
3°	2201.0
4°	2137.2
5°	2058.9
6°	1966.3
7°	1863.6
8°	1744.7
9°	1628.8
10°	1504.3
12.5°	1195.7
15°	912.7
17.5°	683.0
20°	507.1
22.5°	375.6
25°	279.2
27.5°	206.0
30°	149.6
32.5°	108.3
35°	77.0
37.5°	55.7
40°	39.4
42.5°	28.2
45°	20.0
47.5°	14.4
50°	10.6
52.5°	8.1
55°	6.9
57.5°	6.3
60°	5.6
62.5°	5.0
65°	4.4
67.5°	3.8
70°	3.1
72.5°	3.1
75°	2.5
77.5°	1.9
80°	1.3
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)