

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: P1284536

Luminaire Tested: P3AS13R20B2750DE010 E3DLD1WMH\_5000K

Issue Date: 1/30/2026

**Test Information**

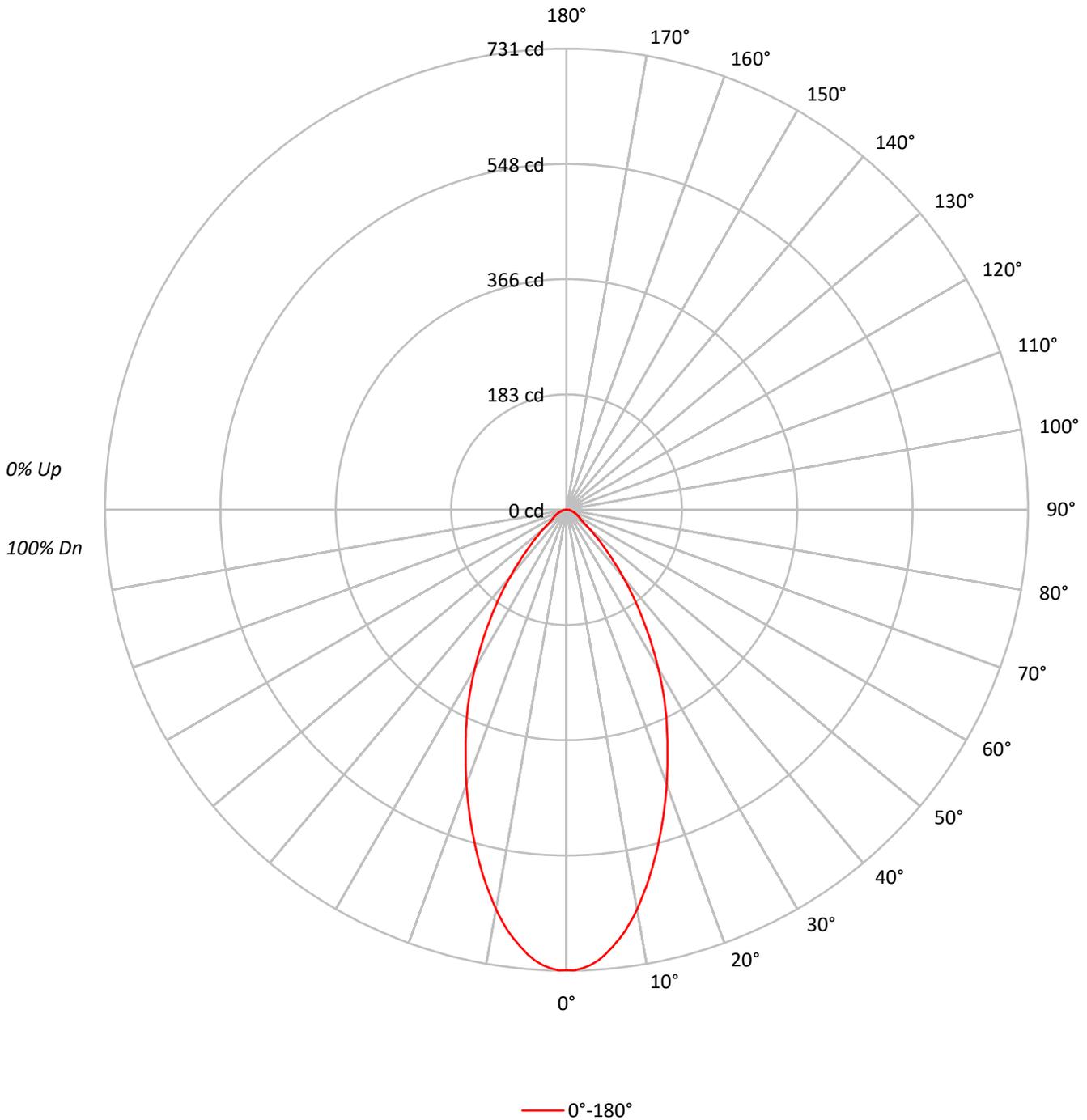
Test Method: LM-79-2019  
Report Number: P1284536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R20B2750DE010 E3DLD1WMH\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3DLD1WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 647.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.1  
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				
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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83			83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76			76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52			52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48			48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45			45

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

	0°
0°	160031
5°	155756
10°	143284
15°	126130
20°	108159
25°	90876
30°	73454
35°	55894
40°	39760
45°	26266
50°	16272
55°	10666
60°	9736
65°	8976
70°	8399
75°	7625
80°	7324
85°	6290

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26266 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	10.1
10°-20°	154.7	23.9
20°-30°	171.7	26.5
30°-40°	131.0	20.2
40°-50°	67.1	10.4
50°-60°	27.5	4.3
60°-70°	17.2	2.7
70°-80°	9.6	1.5
80°-90°	2.8	0.4
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°	391.8	60.6
0°-40°	522.8	80.8
0°-60°	617.4	95.4
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	730	
5°	708	65
15°	556	155
25°	376	172
35°	209	131
45°	85	67
55°	28	28
65°	17	17
75°	9	10
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	729.8
1°	730.6
2°	727.4
3°	723.2
4°	716.7
5°	707.6
6°	696.9
7°	685.4
8°	673.1
9°	658.3
10°	643.5
12.5°	600.8
15°	555.6
17.5°	509.6
20°	463.5
22.5°	417.5
25°	375.6
27.5°	333.7
30°	290.1
32.5°	249.0
35°	208.8
37.5°	173.4
40°	138.9
42.5°	109.3
45°	84.7
47.5°	64.1
50°	47.7
52.5°	35.3
55°	27.9
57.5°	25.5
60°	22.2
62.5°	19.7
65°	17.3
67.5°	14.8
70°	13.1
72.5°	10.7
75°	9.0
77.5°	7.4
80°	5.8
82.5°	4.1
85°	2.5
87.5°	0.8
90°	0.0

(END OF REPORT)