

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: P1295807

Luminaire Tested: P3AS13R20W2N902765DE010 E3CD1MB\_2700K

Issue Date: 1/30/2026

**Test Information**

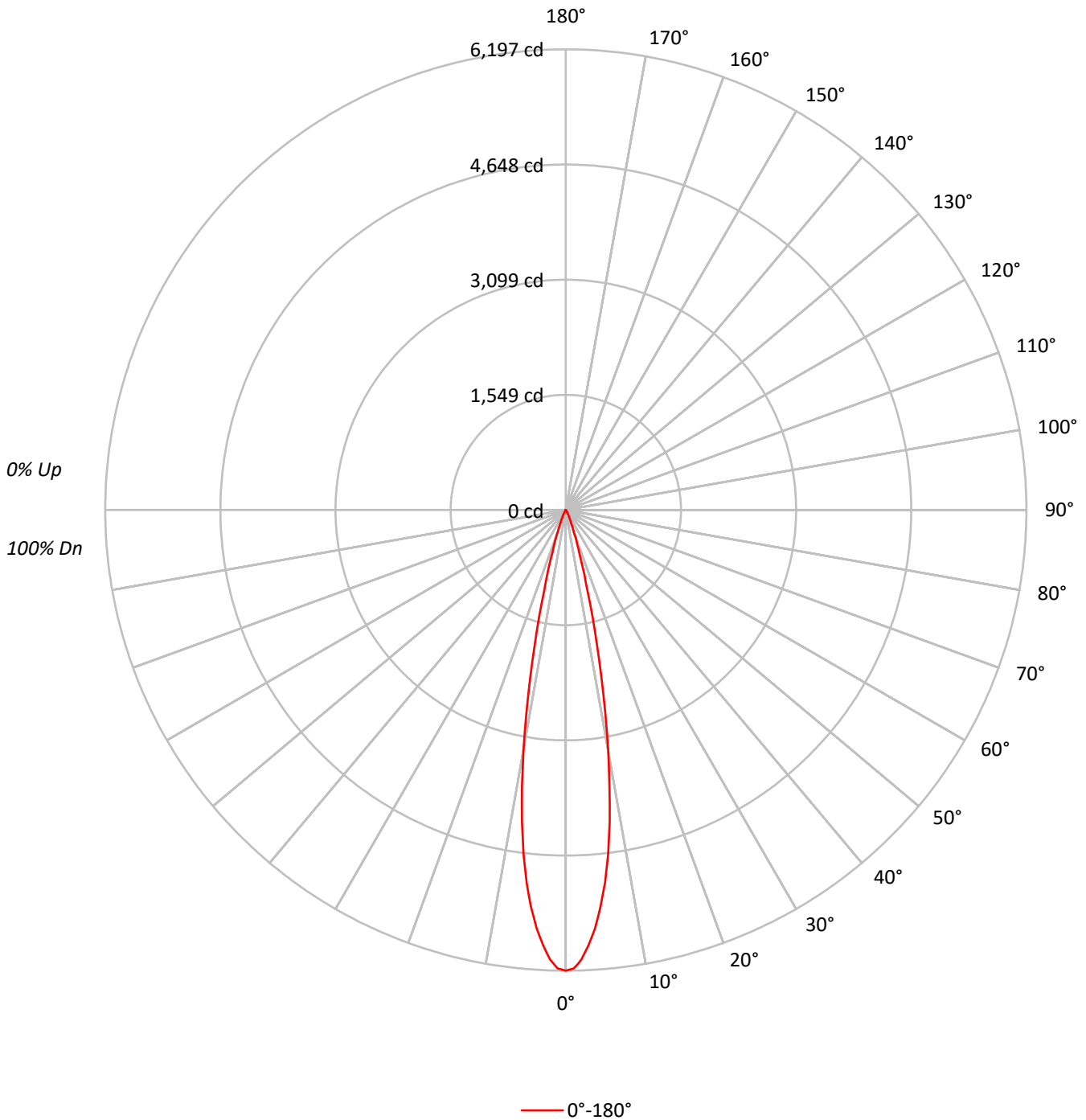
Test Method: LM-79-2019  
Report Number: P1295807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R20W2N902765DE010 E3CD1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
E3CD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 875.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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

TEST NUMBER: P1295807  
CATALOG NUMBER: P3AS13R20W2N902765DE010 E3CD1MB\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1295807

CATALOG NUMBER: P3AS13R20W2N902765DE010 E3CD1MB\_2700K

**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	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	95	95	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	92	92	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	91	91	91	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	89	89	89	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	87	87	87	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	85	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	84	84	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82	82	82	82

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

	0°
0°	1358970
5°	1179548
10°	728822
15°	253146
20°	77730
25°	27485
30°	10179
35°	4069
40°	2176
45°	868
50°	478
55°	535
60°	614
65°	363
70°	449
75°	593
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 868 cd/sqm



TEST NUMBER: P1295807

CATALOG NUMBER: P3AS13R20W2N902765DE010 E3CD1MB\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.7	50.8
10°-20°	352.9	40.3
20°-30°	61.1	7.0
30°-40°	11.1	1.3
40°-50°	2.5	0.3
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.6	0.1
80°-90°	0.0	0.0
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°	858.7	98.1
0°-40°	869.8	99.4
0°-60°	873.6	99.8
0°-90°	875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6197	
5°	5359	445
15°	1115	353
25°	114	61
35°	15	11
45°	3	3
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1295807  
CATALOG NUMBER: P3AS13R20W2N902765DE010 E3CD1MB\_2700K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6197.4
1°	6167.6
2°	6049.9
3°	5860.8
4°	5639.2
5°	5358.7
6°	5037.3
7°	4663.3
8°	4237.4
9°	3758.8
10°	3273.2
12.5°	2064.7
15°	1115.1
17.5°	595.6
20°	333.1
22.5°	190.5
25°	113.6
27.5°	69.3
30°	40.2
32.5°	23.5
35°	15.2
37.5°	10.4
40°	7.6
42.5°	4.8
45°	2.8
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)