

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: P1297276

Luminaire Tested: P3A13R45W2N902750DE010 E3CB1MB\_2700K

Issue Date: 1/30/2026

**Test Information**

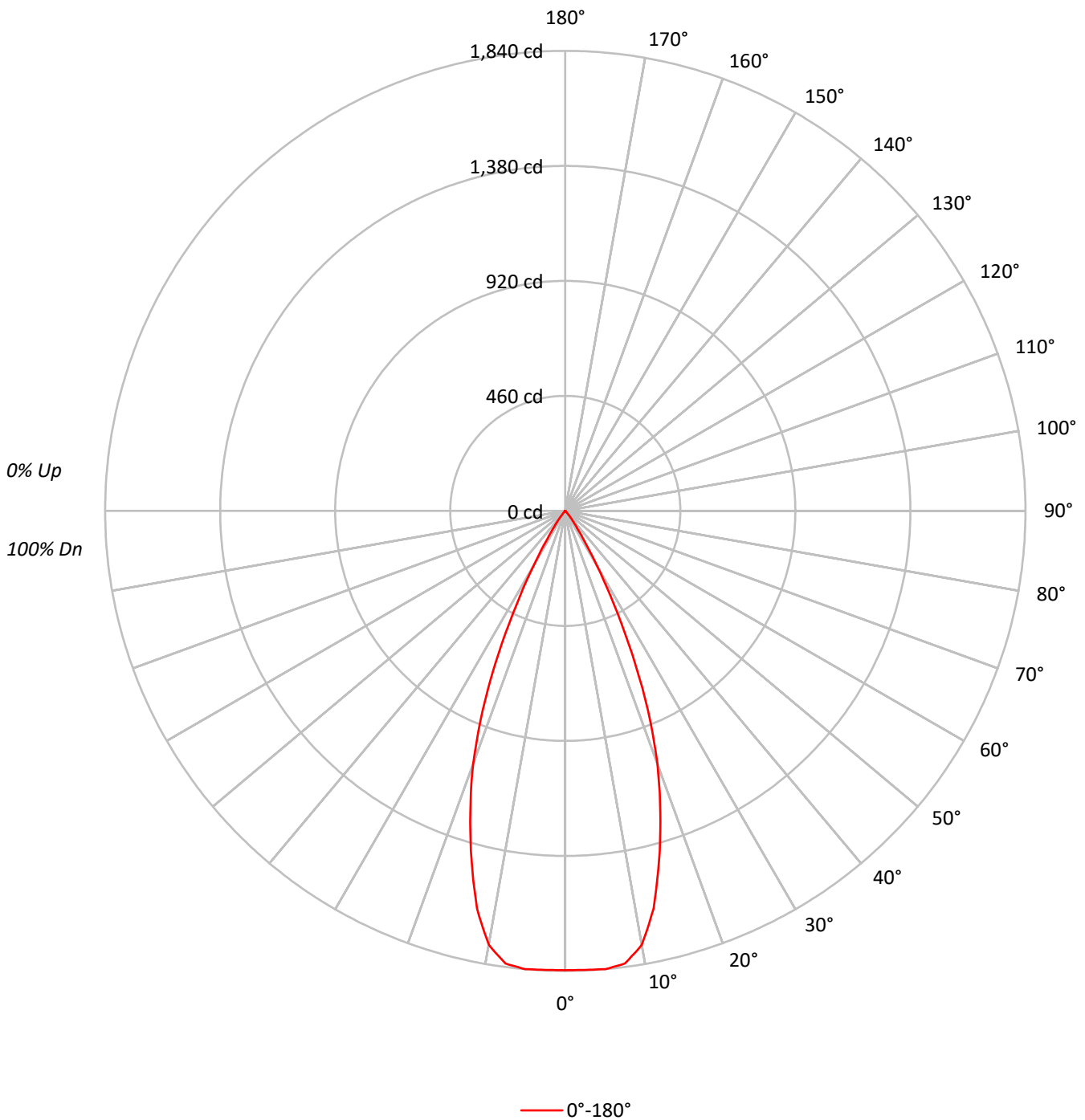
Test Method: LM-79-2019  
Report Number: P1297276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R45W2N902750DE010 E3CB1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,  
E3CB1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 929.1 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66  
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

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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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	86	86	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	64	64	64

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

	0°
0°	402775
5°	404930
10°	392489
15°	328901
20°	251415
25°	153057
30°	63681
35°	20398
40°	6355
45°	1302
50°	955
55°	1070
60°	921
65°	1090
70°	898
75°	1186
80°	884
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1302 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	18.7
10°-20°	398.2	42.9
20°-30°	286.7	30.9
30°-40°	59.7	6.4
40°-50°	5.5	0.6
50°-60°	2.3	0.2
60°-70°	1.8	0.2
70°-80°	1.2	0.1
80°-90°	0.3	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°	858.4	92.4
0°-40°	918.1	98.8
0°-60°	925.8	99.6
0°-90°	929.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	929.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1837	
5°	1840	173
15°	1449	398
25°	633	287
35°	76	60
45°	4	5
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1836.8
2.5°	1837.5
5°	1839.6
7.5°	1826.4
10°	1762.7
12.5°	1629.6
15°	1448.8
17.5°	1263.8
20°	1077.4
22.5°	863.3
25°	632.6
27.5°	417.1
30°	251.5
32.5°	140.7
35°	76.2
37.5°	43.0
40°	22.2
42.5°	9.7
45°	4.2
47.5°	2.8
50°	2.8
52.5°	2.8
55°	2.8
57.5°	2.1
60°	2.1
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)