

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: P1297314

Luminaire Tested: P3A13R45W2N902750DE010 E3DL1GPH\_4000K

Issue Date: 1/30/2026

**Test Information**

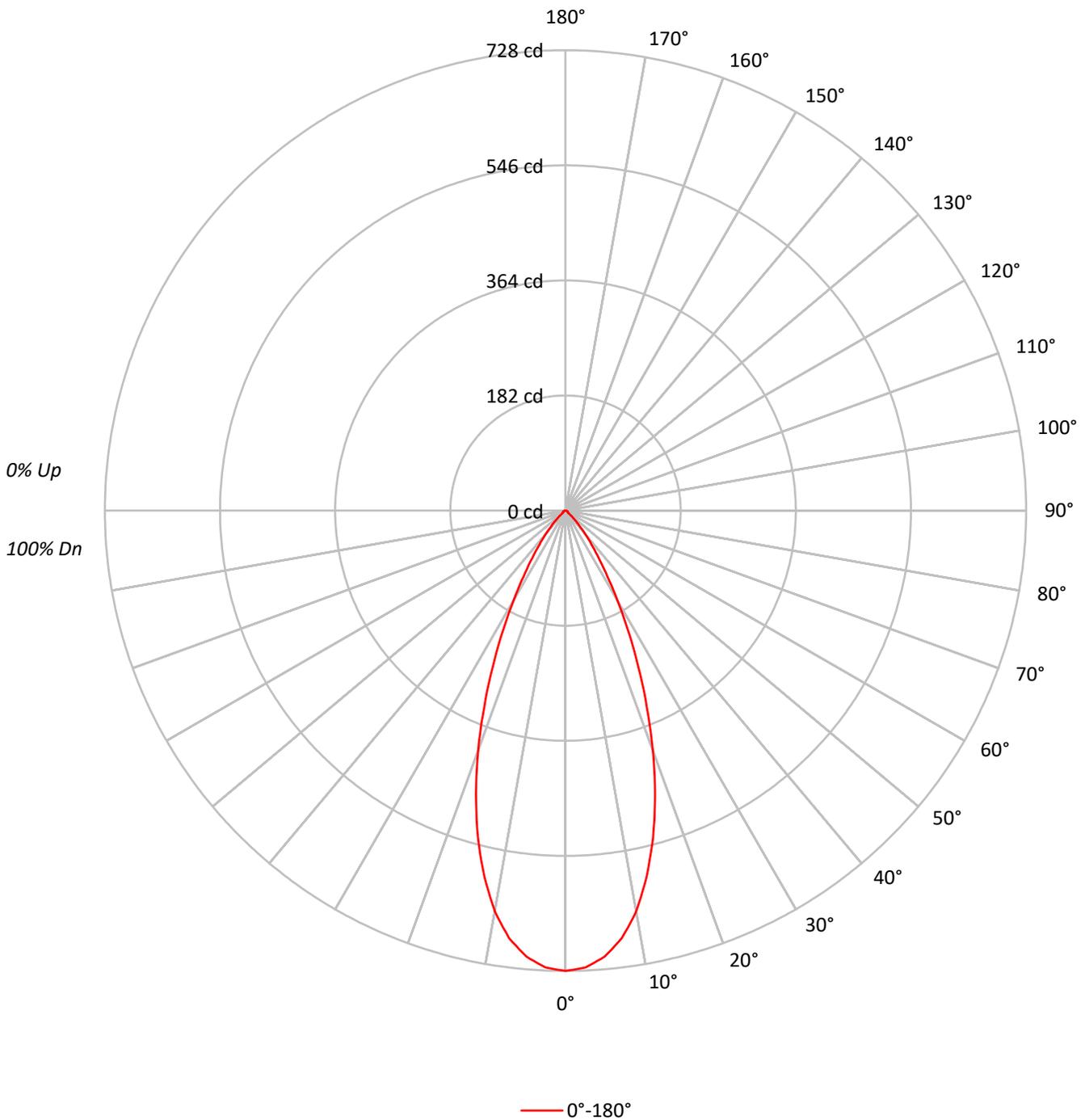
Test Method: LM-79-2019  
Report Number: P1297314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R45W2N902750DE010 E3DL1GPH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,  
E3DL1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 425.0 lumens  
Efficiency: N/A  
Efficacy: 34.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69  
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: P1297314  
CATALOG NUMBER: P3A13R45W2N902750DE010 E3DL1GPH\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1297314

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DL1GPH\_4000K

**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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83			83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			74
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62			62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			57

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

	0°
0°	159592
5°	155866
10°	143284
15°	121408
20°	94182
25°	65834
30°	41475
35°	24414
40°	13826
45°	6729
50°	2320
55°	1873
60°	1842
65°	1764
70°	1731
75°	1610
80°	1389
85°	1006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6729 cd/sqm



TEST NUMBER: P1297314

CATALOG NUMBER: P3A13R45W2N902750DE010 E3DL1GPH\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	15.4
10°-20°	146.8	34.6
20°-30°	124.7	29.3
30°-40°	59.5	14.0
40°-50°	17.9	4.2
50°-60°	4.5	1.1
60°-70°	3.4	0.8
70°-80°	2.0	0.5
80°-90°	0.6	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°	337.1	79.3
0°-40°	396.6	93.3
0°-60°	419.0	98.6
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	728	
5°	708	66
15°	535	147
25°	272	125
35°	91	59
45°	22	18
55°	5	5
65°	3	3
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P1297314  
CATALOG NUMBER: P3A13R45W2N902750DE010 E3DL1GPH\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	727.8
2.5°	723.3
5°	708.1
7.5°	681.9
10°	643.5
12.5°	592.5
15°	534.8
17.5°	470.5
20°	403.6
22.5°	335.6
25°	272.1
27.5°	214.4
30°	163.8
32.5°	123.1
35°	91.2
37.5°	67.3
40°	48.3
42.5°	33.4
45°	21.7
47.5°	12.2
50°	6.8
52.5°	5.3
55°	4.9
57.5°	4.6
60°	4.2
62.5°	3.8
65°	3.4
67.5°	3.0
70°	2.7
72.5°	2.3
75°	1.9
77.5°	1.5
80°	1.1
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)