

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: P1305056

Luminaire Tested: P3RT13R45B2750DE010 E3CBUS1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

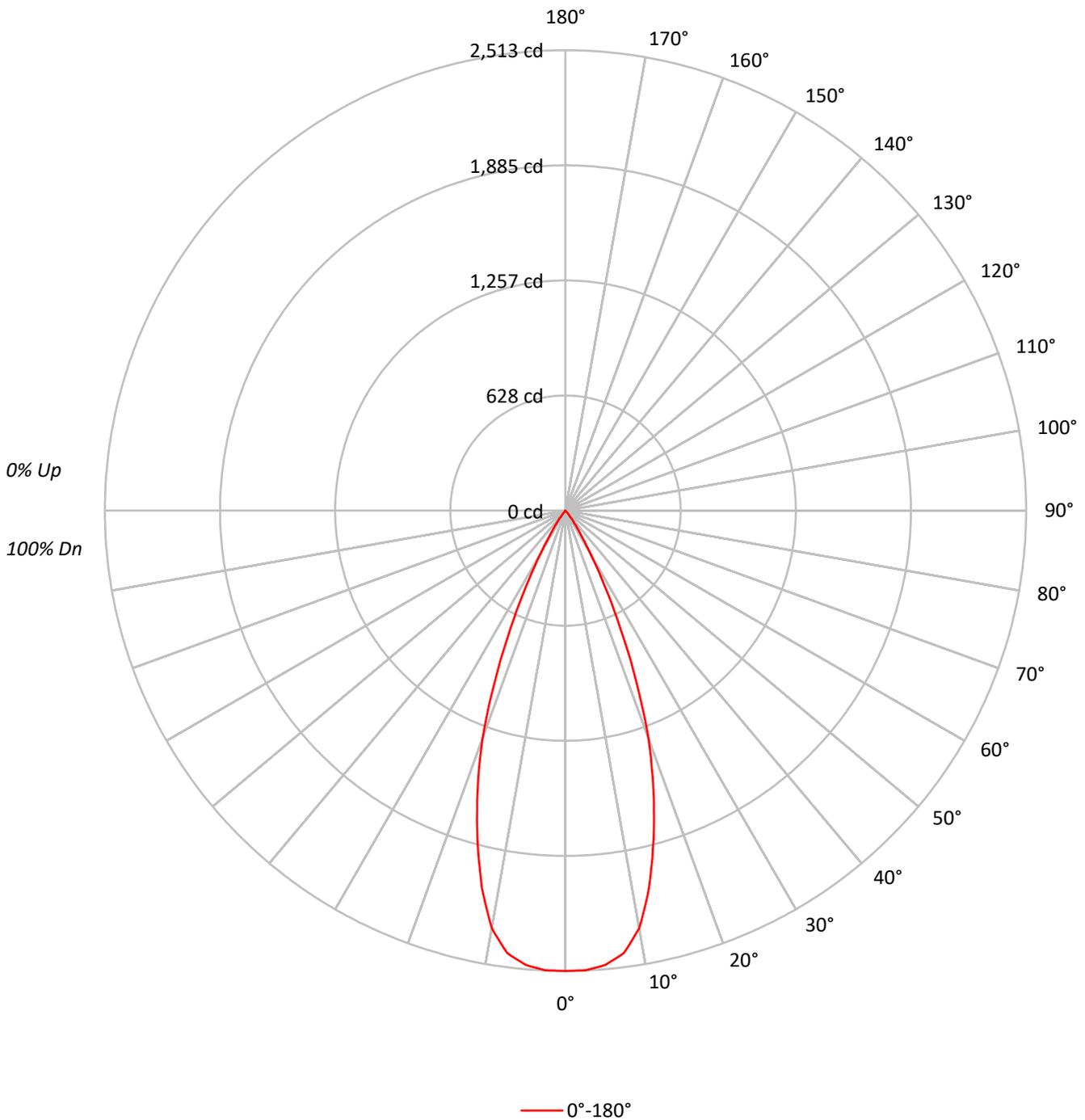
Test Method: LM-79-2019  
Report Number: P1305056  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-96)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3RT13R45B2750DE010 E3CBUS1MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1136.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
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

TEST NUMBER: P1305056  
CATALOG NUMBER: P3RT13R45B2750DE010 E3CBUS1MW\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1305056  
 CATALOG NUMBER: P3RT13R45B2750DE010 E3CBUS1MW\_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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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

	0°
0°	551030
5°	548007
10°	515332
15°	421228
20°	308774
25°	171179
30°	68441
35°	22326
40°	5267
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

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



TEST NUMBER: P1305056

CATALOG NUMBER: P3RT13R45B2750DE010 E3CBUS1MW\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.4	20.5
10°-20°	508.3	44.7
20°-30°	329.3	29.0
30°-40°	63.8	5.6
40°-50°	2.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1070.0	94.2
0°-40°	1133.7	99.8
0°-60°	1136.0	100.0
0°-90°	1136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2513	
5°	2490	232
15°	1856	508
25°	708	329
35°	83	64
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1305056  
CATALOG NUMBER: P3RT13R45B2750DE010 E3CBUS1MW\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2512.9
2.5°	2511.3
5°	2489.6
7.5°	2436.2
10°	2314.4
12.5°	2107.5
15°	1855.5
17.5°	1595.2
20°	1323.2
22.5°	1007.8
25°	707.5
27.5°	458.9
30°	270.3
32.5°	153.5
35°	83.4
37.5°	43.4
40°	18.4
42.5°	3.3
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)