

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: P1304881

Luminaire Tested: P3RT02R50B2750DE010 E3CBUS1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-91)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT02R50B2750DE010 E3CBUS1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 80CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

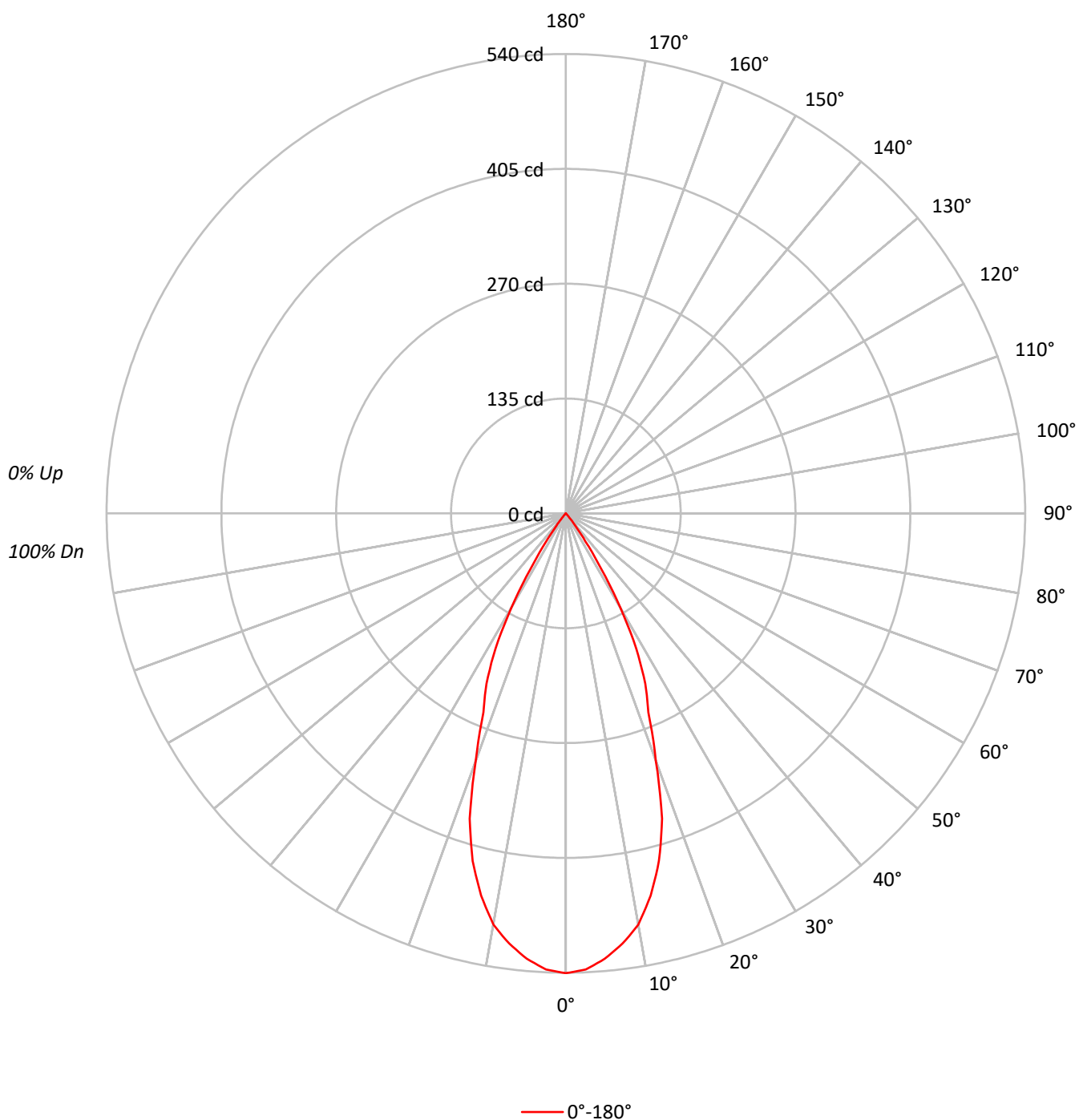
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.72
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90		93	91	89		91	89	87	86
4	101	95	90	86	99	93	89	86	91	88	85		89	86	84		88	85	83	82
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	78
6	93	85	80	77	92	85	80	76	83	79	76		82	78	75		81	78	75	74
7	89	81	76	73	88	81	76	73	80	75	72		79	75	72		77	74	72	70
8	86	78	73	69	85	77	72	69	76	72	69		75	71	69		74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	63		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118521
5°	115694
10°	109283
15°	96050
20°	72246
25°	53422
30°	32410
35°	10708
40°	1889
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	16.7
10°-20°	115.1	39.1
20°-30°	98.7	33.6
30°-40°	30.4	10.3
40°-50°	0.8	0.3
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°	262.8	89.4
0°-40°	293.2	99.7
0°-60°	294.0	100.0
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	540	
5°	526	49
15°	423	115
25°	221	99
35°	40	30
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	540.5
2.5°	536.6
5°	525.6
7.5°	510.2
10°	490.8
12.5°	460.1
15°	423.1
17.5°	376.1
20°	309.6
22.5°	253.3
25°	220.8
27.5°	179.4
30°	128.0
32.5°	77.8
35°	40.0
37.5°	18.0
40°	6.6
42.5°	0.9
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)