

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: P1304998

Luminaire Tested: P3RT09R50B2750DE010 E3CBUS1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304998
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: P3RT09R50B2750DE010 E3CBUS1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

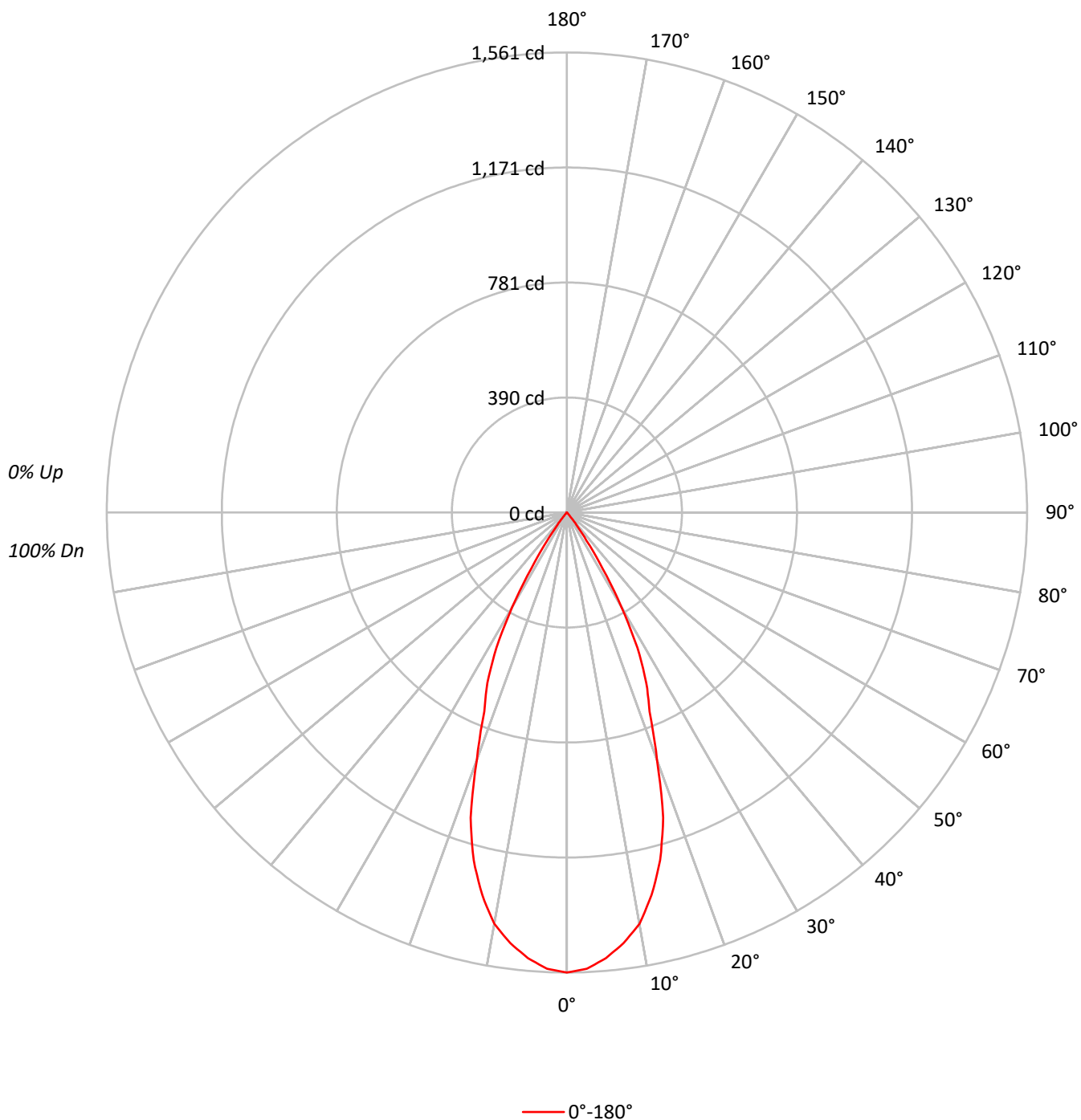
Lumens per Lamp: N/A
Luminaire Lumens: 849.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.72
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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

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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						
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°	342297
5°	334096
10°	315603
15°	277368
20°	208665
25°	154267
30°	93584
35°	30945
40°	5467
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°	141.7	16.7
10°-20°	332.3	39.1
20°-30°	285.0	33.6
30°-40°	87.9	10.4
40°-50°	2.2	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°	758.9	89.4
0°-40°	846.8	99.7
0°-60°	849.0	100.0
0°-90°	849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1561	
5°	1518	142
15°	1222	332
25°	638	285
35°	116	88
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1561.0
2.5°	1549.5
5°	1517.8
7.5°	1473.3
10°	1417.4
12.5°	1328.5
15°	1221.8
17.5°	1085.9
20°	894.2
22.5°	731.6
25°	637.6
27.5°	518.2
30°	369.6
32.5°	224.8
35°	115.6
37.5°	52.1
40°	19.1
42.5°	2.5
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)