

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: P1304968

Luminaire Tested: P3RT09R20B2750DE010 E3CBUS1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-86)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT09R20B2750DE010 E3CBUS1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3CBUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

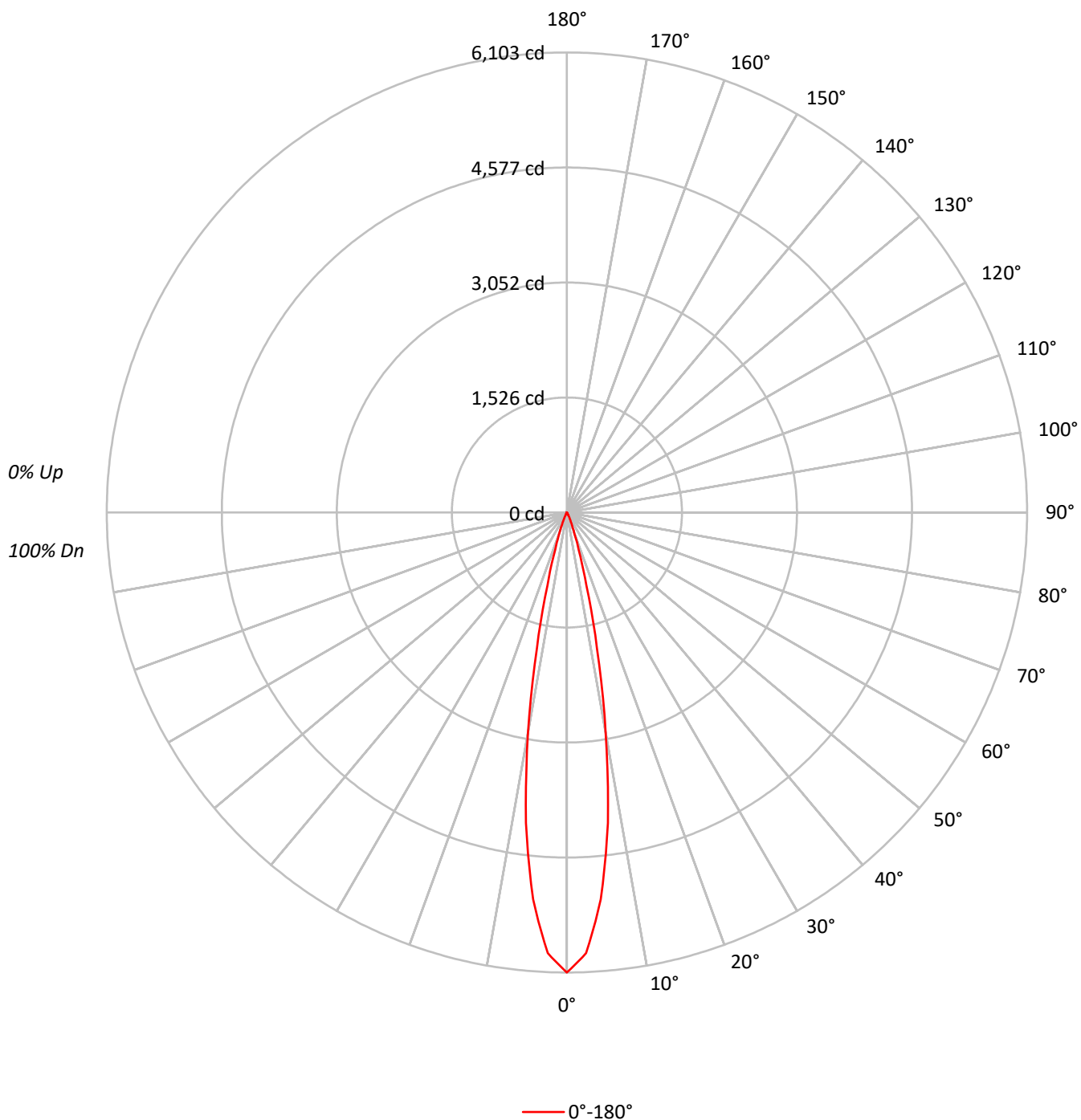
Lumens per Lamp: N/A
Luminaire Lumens: 790.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100	
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98	
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	96	
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	98	96	94	
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	98	96	92	
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	96	95	91	
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	95	92	89	
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	93	90	87	
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	86	
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	84	
10	95	90	87	85	95	90	86	84	89	86	84	88	86	84	88	86	84	88	86	83	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1338270
5°	1133895
10°	659507
15°	226449
20°	65222
25°	19985
30°	5469
35°	3052
40°	1460
45°	403
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: 403 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	53.4
10°-20°	313.9	39.7
20°-30°	46.0	5.8
30°-40°	7.3	0.9
40°-50°	1.2	0.1
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°	781.5	98.9
0°-40°	788.8	99.9
0°-60°	790.0	100.0
0°-90°	790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6103	
5°	5151	422
15°	998	314
25°	83	46
35°	11	7
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6103.0
2.5°	5851.4
5°	5151.3
7.5°	4156.3
10°	2961.9
12.5°	1838.6
15°	997.5
17.5°	515.9
20°	279.5
22.5°	153.7
25°	82.6
27.5°	39.4
30°	21.6
32.5°	15.2
35°	11.4
37.5°	7.6
40°	5.1
42.5°	2.5
45°	1.3
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)