

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: P1426120

Luminaire Tested: P3A02RHB2750DE010 E3HY1LI_3500K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RHB2750DE010 E3HY1LI_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 3500K CCT AND, 80CRI , E3HY1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

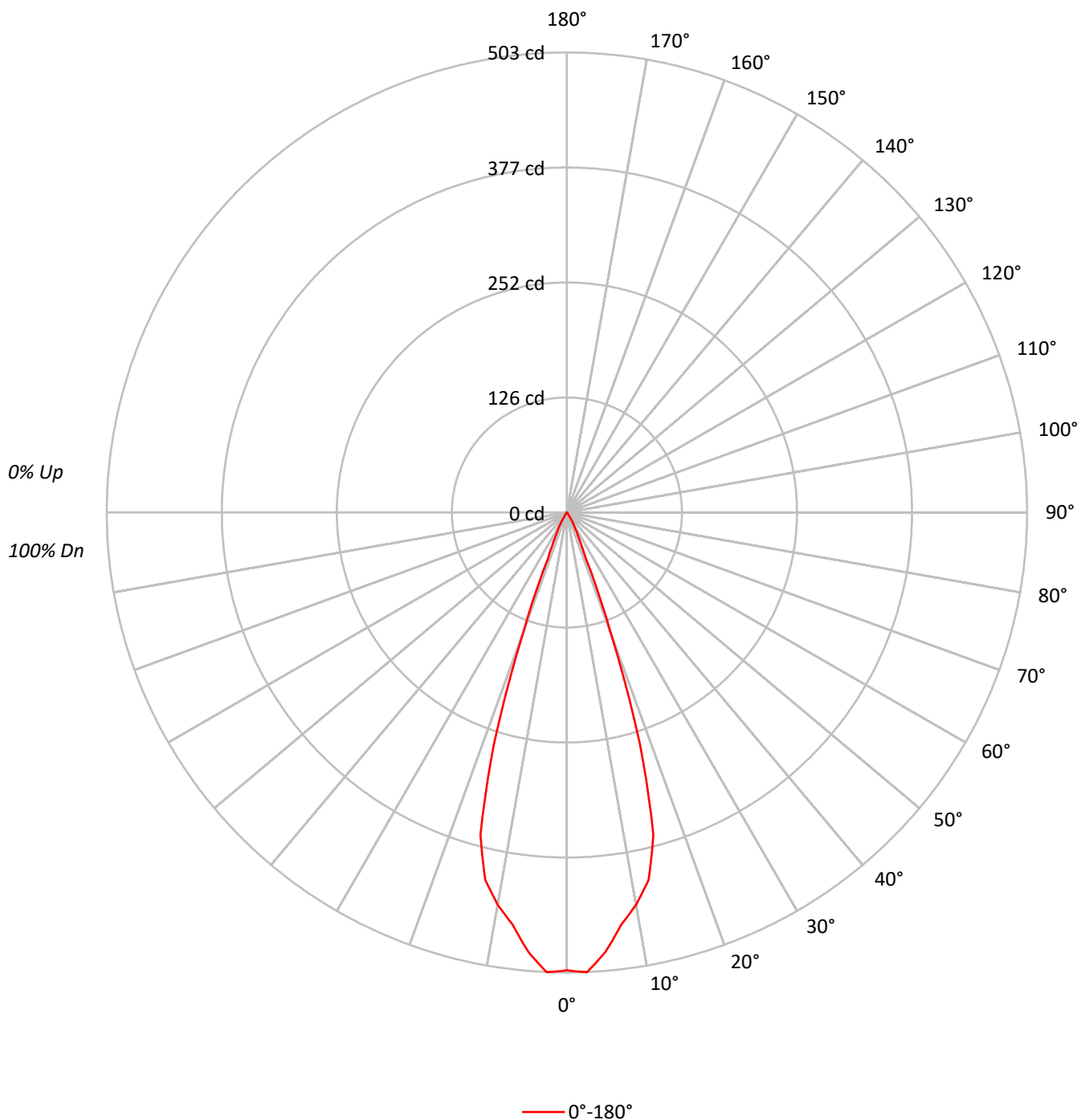
Lumens per Lamp: N/A
Luminaire Lumens: 156.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					0
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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	86	84	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79	78	77
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	76	75	74
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	77	73	72	71
10	88	82	78	75	87	81	77	75	81	77	75	80	77	75	79	76	74	70	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109772
5°	106207
10°	96948
15°	82861
20°	32506
25°	7428
30°	3342
35°	428
40°	0
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°	44.4	28.4
10°-20°	89.9	57.6
20°-30°	19.6	12.6
30°-40°	2.1	1.4
40°-50°	0.0	0.0
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°	153.9	98.6
0°-40°	156.0	100.0
0°-60°	156.0	100.0
0°-90°	156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	156.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	501	
5°	482	44
15°	365	90
25°	31	20
35°	2	2
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	500.6
2.5°	503.2
5°	482.5
7.5°	454.5
10°	435.4
12.5°	411.6
15°	365.0
17.5°	264.8
20°	139.3
22.5°	53.5
25°	30.7
27.5°	20.7
30°	13.2
32.5°	5.8
35°	1.6
37.5°	0.5
40°	0.0
42.5°	0.0
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)