

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: P1426116

Luminaire Tested: P3A02RHB2750DE010 E3HY1H_4000K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02RHB2750DE010 E3HY1H_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 4000K CCT AND, 80CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

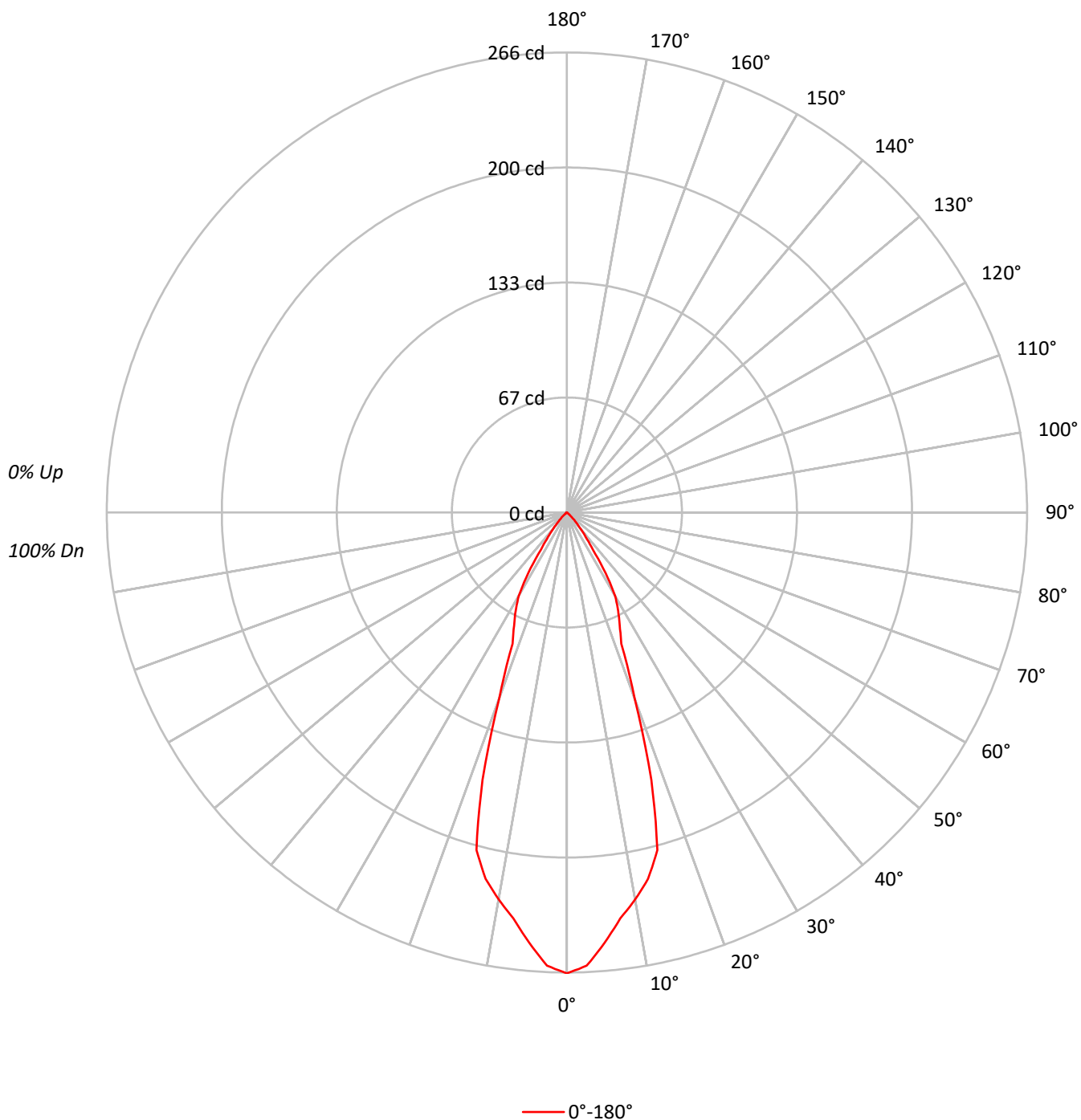
Lumens per Lamp: N/A
Luminaire Lumens: 132.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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		
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95		
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73		
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69		
8	85	77	71	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66		
9	82	73	68	65	81	73	68	65	72	67	64	71	67	64	70	67	64	63		
10	79	70	65	62	78	70	65	62	69	65	61	68	64	61	68	64	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58438
5°	54986
10°	50589
15°	45857
20°	26696
25°	17469
30°	14103
35°	6960
40°	3521
45°	1551
50°	409
55°	76
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	17.5
10°-20°	51.7	39.1
20°-30°	34.5	26.1
30°-40°	18.2	13.8
40°-50°	4.3	3.2
50°-60°	0.3	0.2
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°	109.2	82.7
0°-40°	127.4	96.5
0°-60°	132.0	100.0
0°-90°	132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	132.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	266	
5°	250	23
15°	202	52
25°	72	34
35°	26	18
45°	5	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	266.5
2.5°	262.3
5°	249.8
7.5°	236.7
10°	227.2
12.5°	216.9
15°	202.0
17.5°	162.2
20°	114.4
22.5°	82.1
25°	72.2
27.5°	64.2
30°	55.7
32.5°	41.6
35°	26.0
37.5°	17.8
40°	12.3
42.5°	8.1
45°	5.0
47.5°	2.8
50°	1.2
52.5°	0.6
55°	0.2
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)