

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: P1426640

Luminaire Tested: P3A13RHB2750DE010 E3HY1WMH_3500K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13RHB2750DE010 E3HY1WMH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 3500K CCT AND, 80CRI , E3HY1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

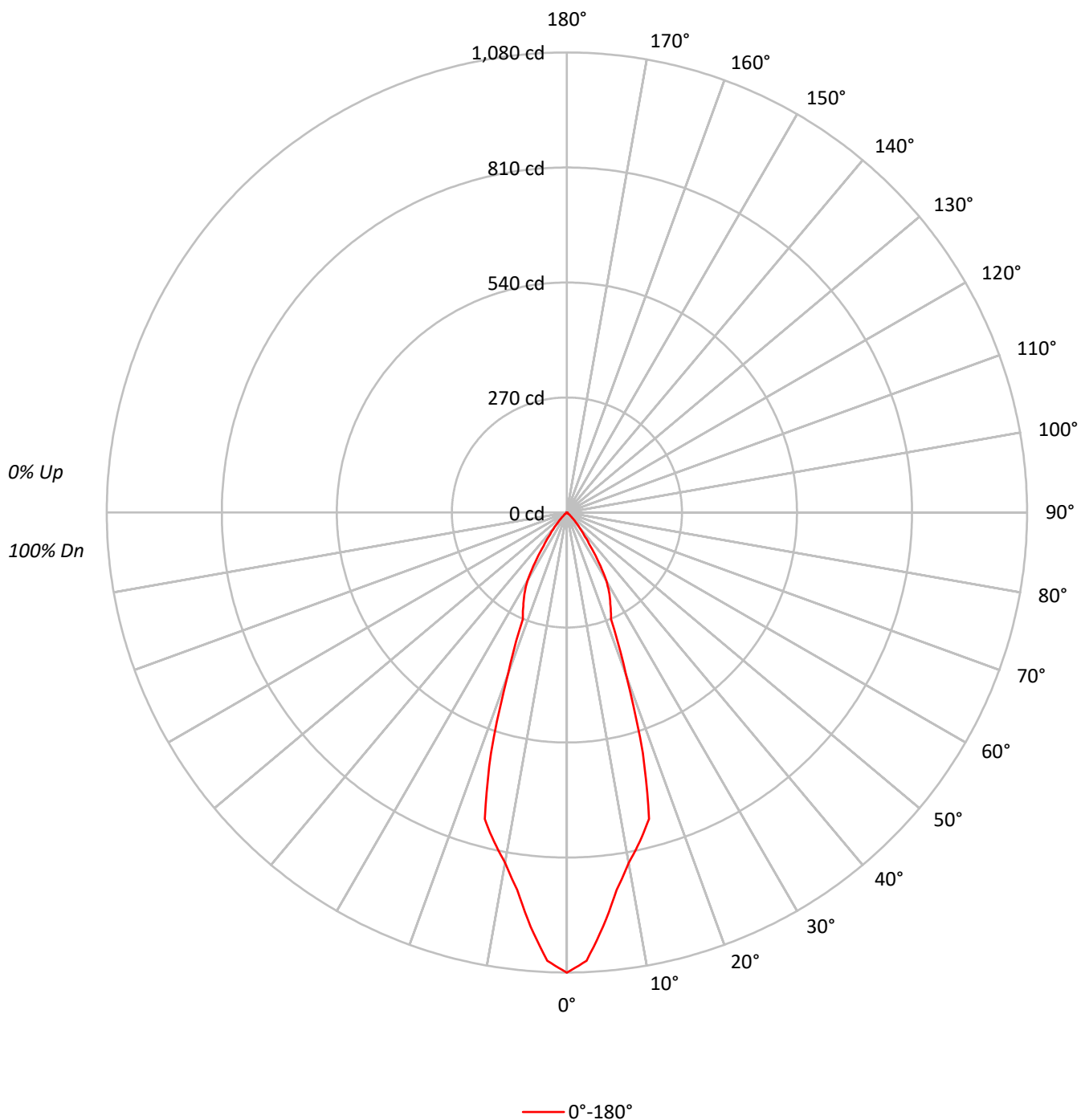
Lumens per Lamp: N/A
Luminaire Lumens: 474.0 lumens
Efficiency: N/A
Efficacy: 24.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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	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	109	105	102	99	107	104	100	98	100	98	96	97	95	93	95	93	92	90		
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	81	95	88	84	80	87	83	79	85	82	79	84	81	78	77		
6	93	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	73	71	70		
8	85	77	72	69	84	77	72	68	76	71	68	75	71	68	74	70	68	66		
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64		
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	61		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	236911
5°	214769
10°	185991
15°	169036
20°	94298
25°	58552
30°	46944
35°	25538
40°	12881
45°	5768
50°	1842
55°	306
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	18.7
10°-20°	188.7	39.8
20°-30°	116.1	24.5
30°-40°	63.4	13.4
40°-50°	15.9	3.3
50°-60°	1.4	0.3
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°	393.3	83.0
0°-40°	456.7	96.3
0°-60°	474.0	100.0
0°-90°	474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	474.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1080	
5°	976	89
15°	745	189
25°	242	116
35°	95	63
45°	19	16
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1080.4
2.5°	1053.3
5°	975.7
7.5°	893.5
10°	835.3
12.5°	791.1
15°	744.6
17.5°	592.6
20°	404.1
22.5°	270.7
25°	242.0
27.5°	216.4
30°	185.4
32.5°	138.8
35°	95.4
37.5°	65.2
40°	45.0
42.5°	30.2
45°	18.6
47.5°	10.1
50°	5.4
52.5°	2.3
55°	0.8
57.5°	0.8
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)