

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: P1426639

Luminaire Tested: P3A13RHB2750DE010 E3HY1WMH_3000K

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426639
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, RH optic, 3000K CCT AND, 90CRI , E3HY1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

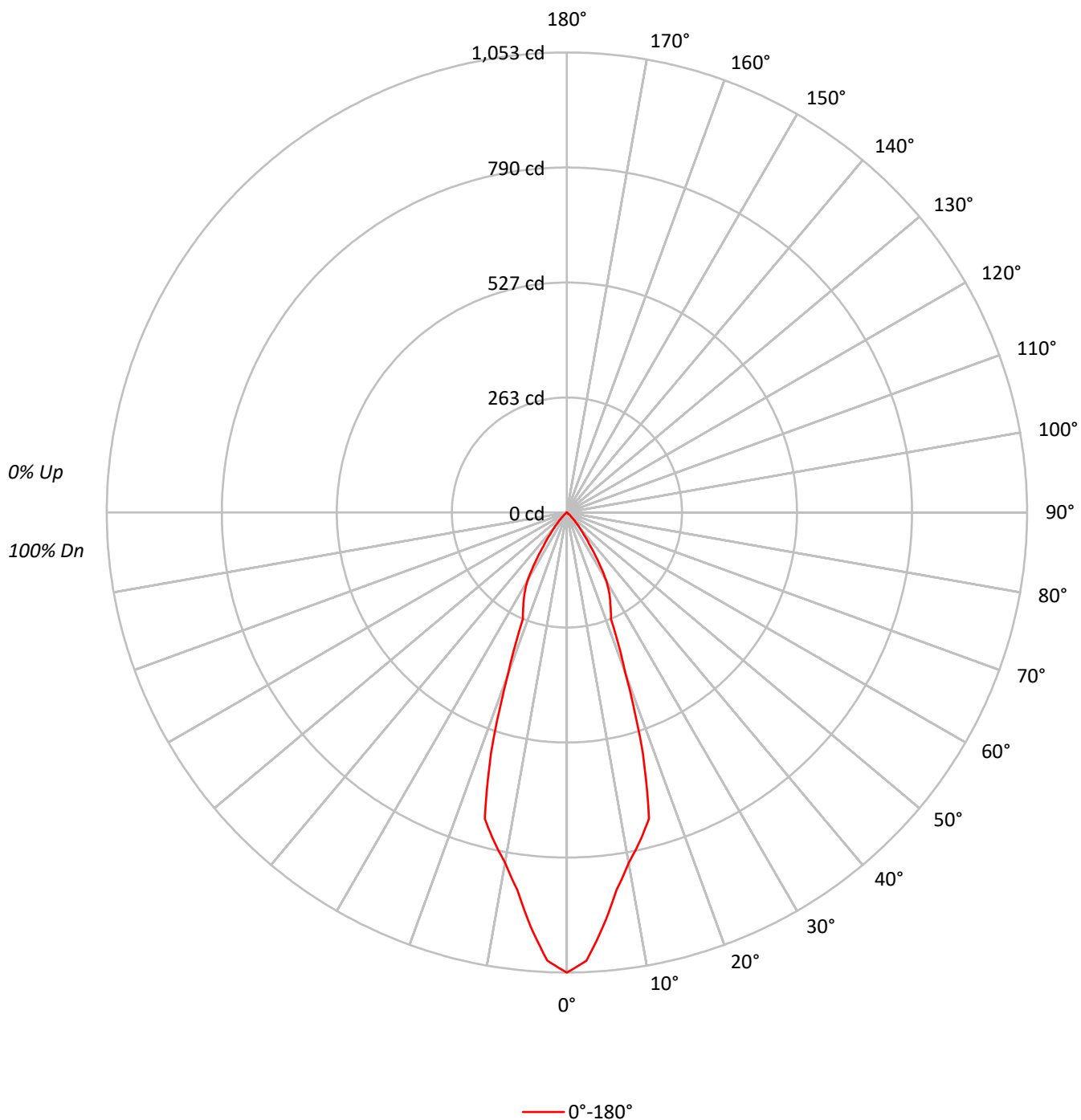
Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				0
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°	230924
5°	209332
10°	181293
15°	164746
20°	91918
25°	57076
30°	45754
35°	24895
40°	12538
45°	5613
50°	1808
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: 5613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	18.7
10°-20°	183.9	39.8
20°-30°	113.2	24.5
30°-40°	61.7	13.4
40°-50°	15.5	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°	383.4	83.0
0°-40°	445.1	96.3
0°-60°	462.0	100.0
0°-90°	462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1053	
5°	951	86
15°	726	184
25°	236	113
35°	93	62
45°	18	15
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1053.1
2.5°	1026.6
5°	951.0
7.5°	870.9
10°	814.2
12.5°	771.1
15°	725.7
17.5°	577.6
20°	393.9
22.5°	263.8
25°	235.9
27.5°	210.9
30°	180.7
32.5°	135.3
35°	93.0
37.5°	63.5
40°	43.8
42.5°	29.5
45°	18.1
47.5°	9.8
50°	5.3
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)