

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: P1426776

Luminaire Tested: P3A17RH9827DE010 E3HY1GPH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17RH9827DE010 E3HY1GPH
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 98CRI , E3HY1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

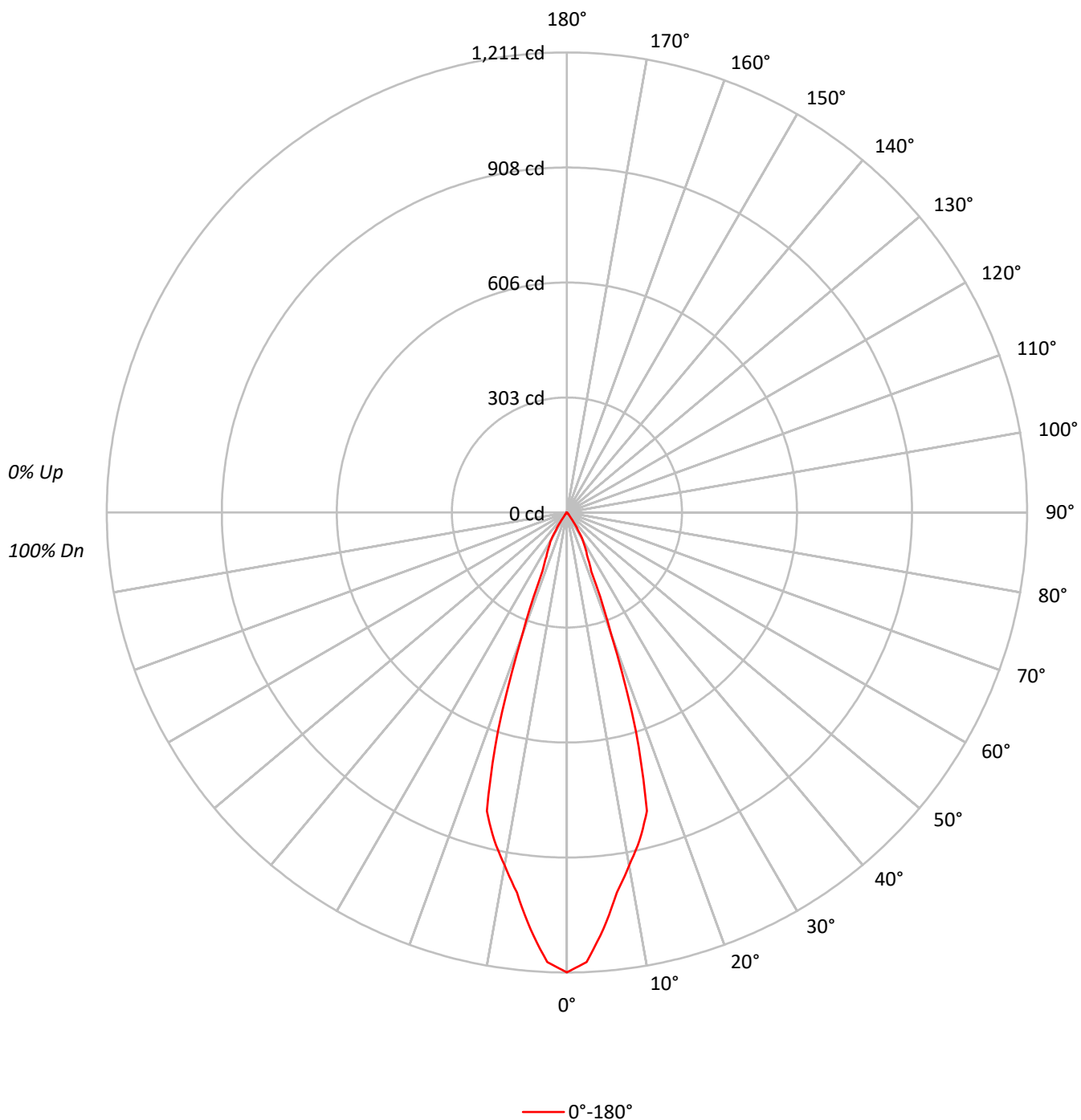
Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 19.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1426776

CATALOG NUMBER: P3A17RH9827DE010 E3HY1GPH

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92		
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89		
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86		
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83		
6	97	90	86	83	96	89	85	82	88	84	82	87	84	81	86	83	81	80		
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74		
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	77	73	71	76	73	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265483
5°	242350
10°	209994
15°	184723
20°	80344
25°	30776
30°	20813
35°	7040
40°	2204
45°	682
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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	25.5
10°-20°	200.3	51.2
20°-30°	67.9	17.4
30°-40°	20.8	5.3
40°-50°	2.2	0.6
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°	368.1	94.1
0°-40°	388.8	99.4
0°-60°	391.0	100.0
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1211	
5°	1101	100
15°	814	200
25°	127	68
35°	26	21
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1210.7
2.5°	1184.3
5°	1101.0
7.5°	1008.9
10°	943.1
12.5°	883.9
15°	813.7
17.5°	604.2
20°	344.3
22.5°	167.8
25°	127.2
27.5°	103.1
30°	82.2
32.5°	52.6
35°	26.3
37.5°	14.3
40°	7.7
42.5°	4.4
45°	2.2
47.5°	1.1
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)