

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: P1426937

Luminaire Tested: P3A20RH9830D010 E3HY1B

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426937
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: P3A20RH9830D010 E3HY1B
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 98CRI , E3HY1B TRIM
Light Source: -
Ballast/Driver: -

Summary

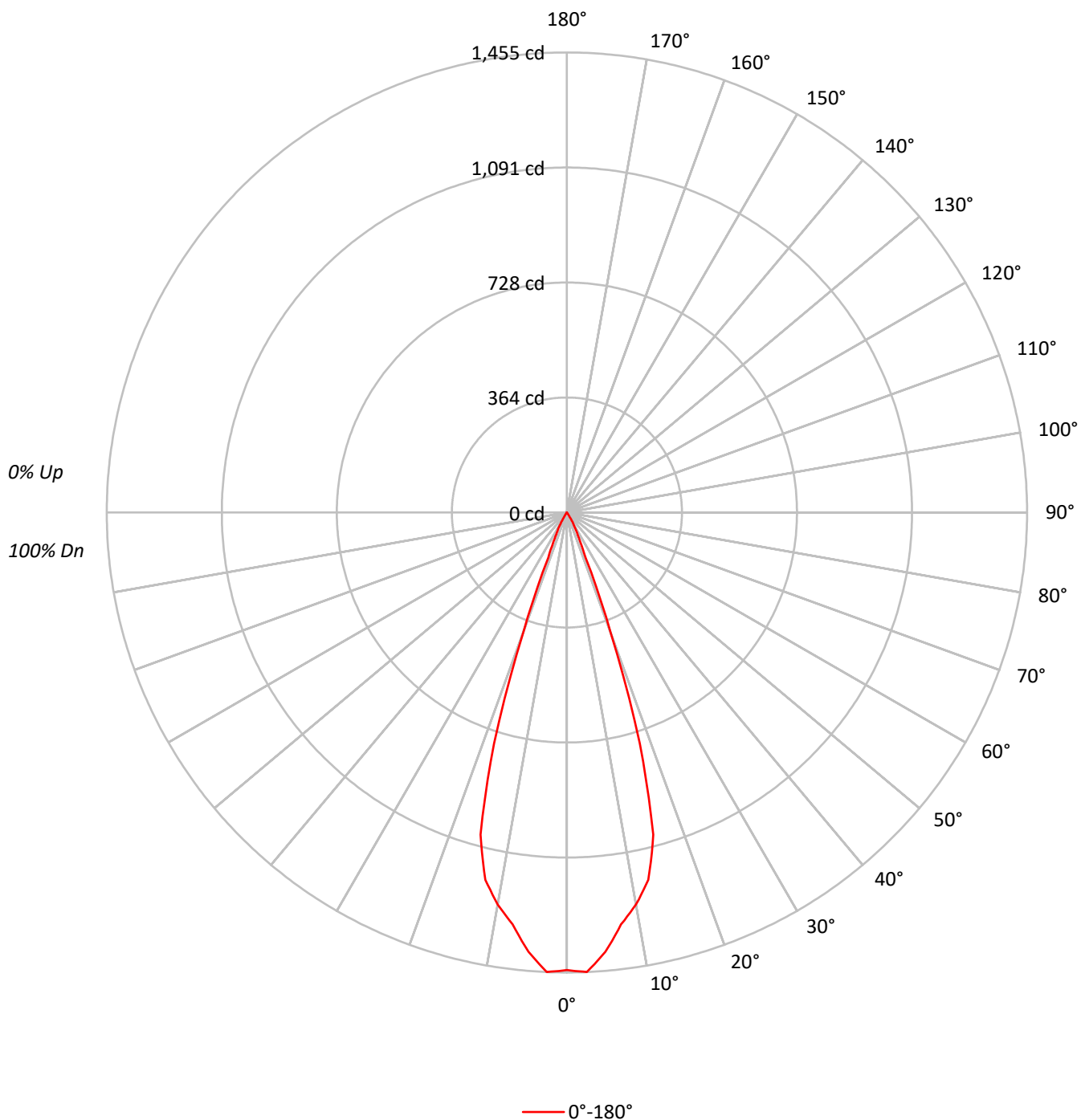
Lumens per Lamp: N/A
Luminaire Lumens: 451.0 lumens
Efficiency: N/A
Efficacy: 16.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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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	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	76	73	72	71
10	88	82	78	75	87	81	77	75	81	77	75	80	77	75	79	76	74	71	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317321
5°	307087
10°	280289
15°	239525
20°	93972
25°	21485
30°	9698
35°	1231
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°	128.3	28.4
10°-20°	259.9	57.6
20°-30°	56.6	12.5
30°-40°	6.2	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°	444.8	98.6
0°-40°	451.0	100.0
0°-60°	451.0	100.0
0°-90°	451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	451.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1447	
5°	1395	128
15°	1055	260
25°	89	57
35°	5	6
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°	1447.1
2.5°	1454.8
5°	1395.1
7.5°	1313.9
10°	1258.8
12.5°	1189.9
15°	1055.1
17.5°	765.7
20°	402.7
22.5°	154.7
25°	88.8
27.5°	59.7
30°	38.3
32.5°	16.8
35°	4.6
37.5°	1.5
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)