

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: P1426909

Luminaire Tested: P3A20RH9727D010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426909
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: P3A20RH9727D010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 97CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

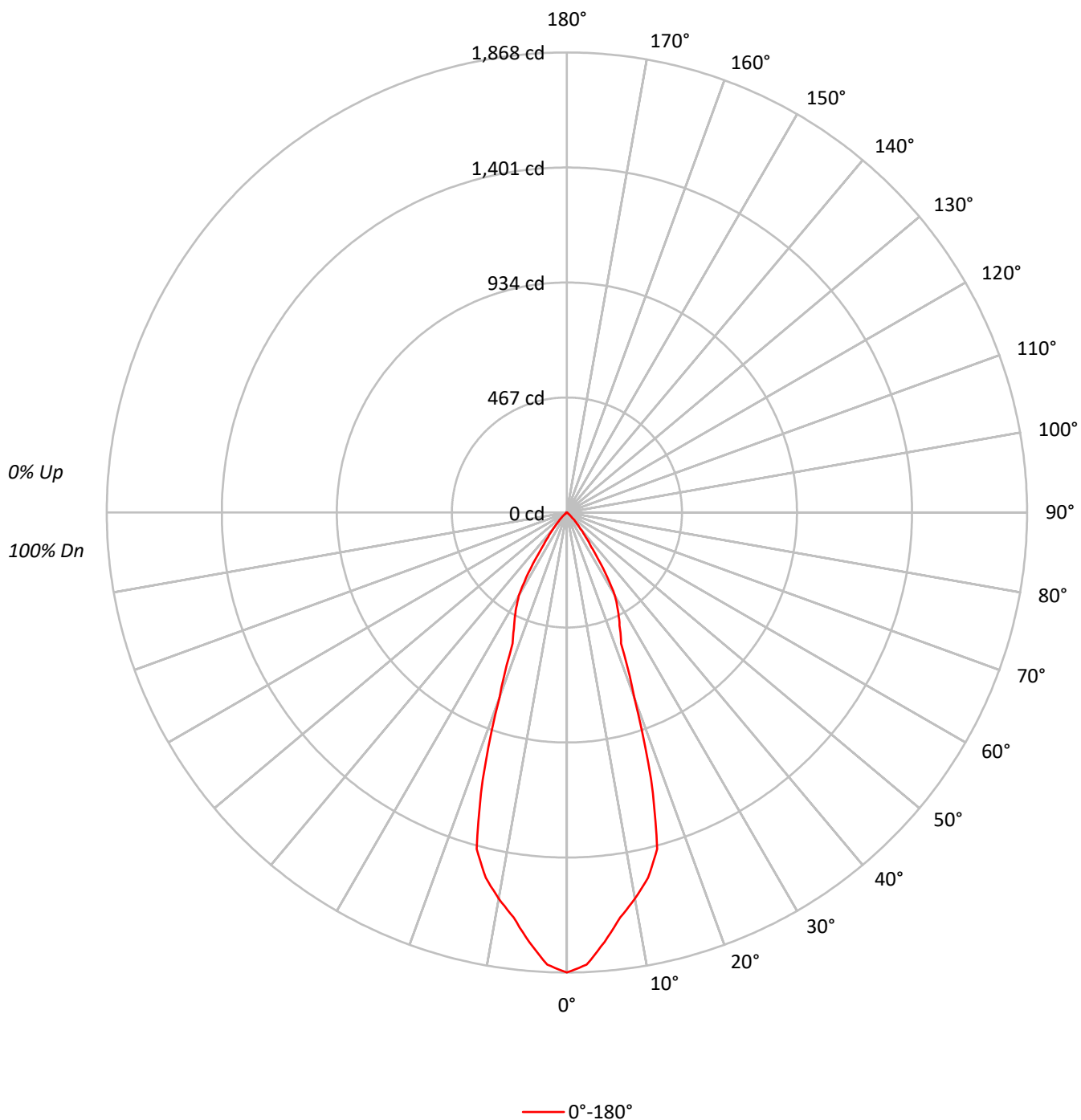
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	84	79	76	91	84	79	75	82	78	75		81	77	74		80
7	88	80	75	72	87	80	75	71	79	74	71		77	74	71		76
8	85	77	71	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	67	64		71	67	64		70
10	79	70	65	62	78	70	65	62	69	65	61		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	409529
5°	385273
10°	354458
15°	321273
20°	187056
25°	122451
30°	98800
35°	48827
40°	24675
45°	10947
50°	2900
55°	535
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	17.5
10°-20°	362.1	39.1
20°-30°	241.4	26.1
30°-40°	127.5	13.8
40°-50°	30.0	3.2
50°-60°	2.1	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°	765.4	82.7
0°-40°	892.9	96.5
0°-60°	925.0	100.0
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1868	
5°	1750	162
15°	1415	362
25°	506	241
35°	182	127
45°	35	30
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1867.6
2.5°	1837.9
5°	1750.3
7.5°	1658.4
10°	1591.9
12.5°	1519.8
15°	1415.2
17.5°	1136.7
20°	801.6
22.5°	575.4
25°	506.1
27.5°	449.6
30°	390.2
32.5°	291.2
35°	182.4
37.5°	124.4
40°	86.2
42.5°	56.6
45°	35.3
47.5°	19.8
50°	8.5
52.5°	4.2
55°	1.4
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)