

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: P1426896

Luminaire Tested: P3A20RH9040D010 E3HY1GPH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426896
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: P3A20RH9040D010 E3HY1GPH
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 90CRI , E3HY1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

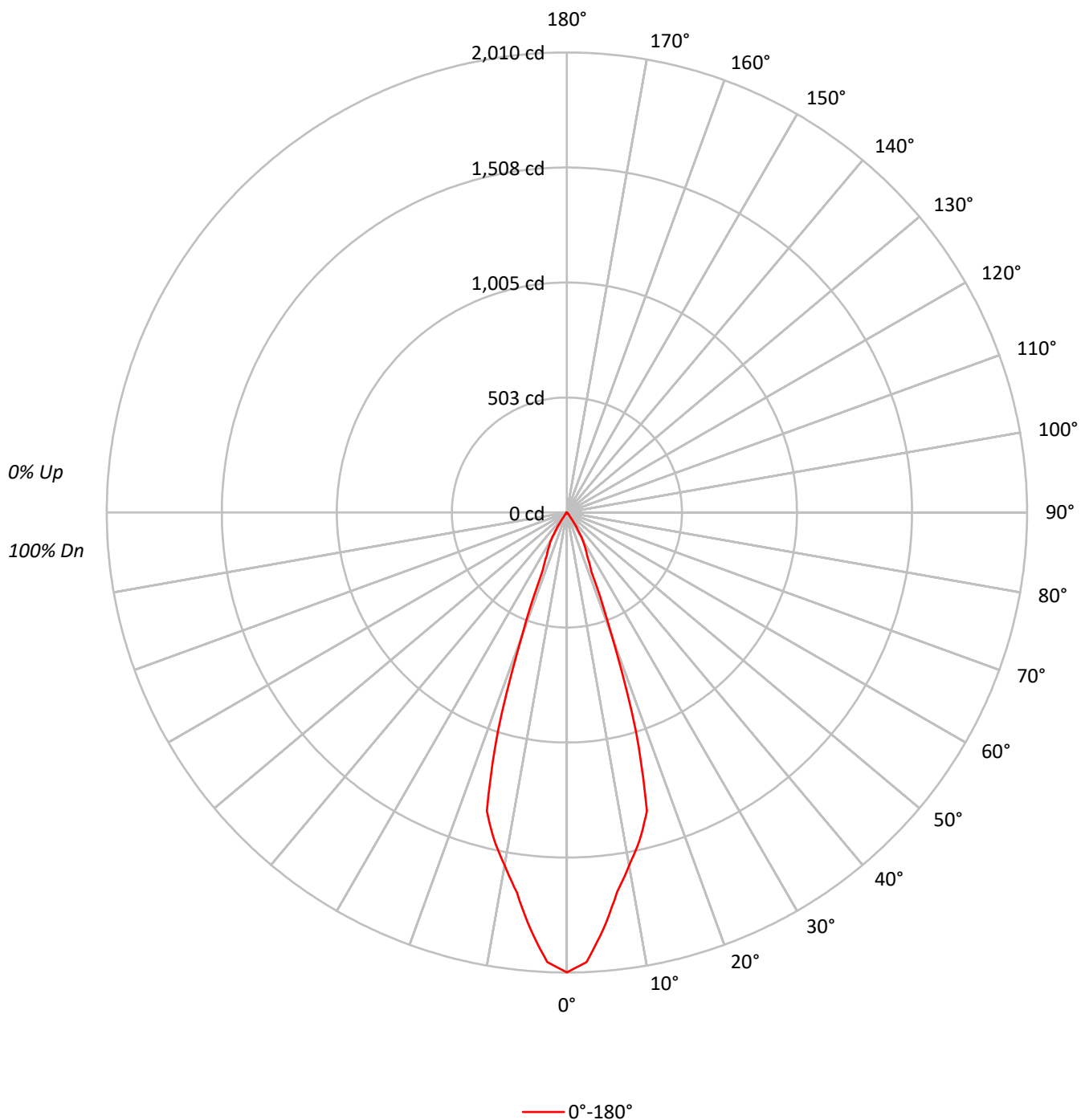
Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 22.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	440645
5°	402266
10°	348557
15°	306608
20°	133362
25°	51076
30°	34562
35°	11698
40°	3635
45°	1116
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: 1116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	25.5
10°-20°	332.5	51.2
20°-30°	112.7	17.4
30°-40°	34.5	5.3
40°-50°	3.6	0.5
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°	610.9	94.1
0°-40°	645.4	99.5
0°-60°	649.0	100.0
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2010	
5°	1828	166
15°	1351	333
25°	211	113
35°	44	34
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2009.5
2.5°	1965.8
5°	1827.5
7.5°	1674.6
10°	1565.4
12.5°	1467.1
15°	1350.6
17.5°	1002.9
20°	571.5
22.5°	278.5
25°	211.1
27.5°	171.1
30°	136.5
32.5°	87.4
35°	43.7
37.5°	23.7
40°	12.7
42.5°	7.3
45°	3.6
47.5°	1.8
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)