

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: P1426902

Luminaire Tested: P3A20RH9050D010 E3HY1GPH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426902
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: P3A20RH9050D010 E3HY1GPH
Description: 3in Adjustable LED luminaire with, RH optic, 5000K CCT AND, 90CRI , E3HY1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

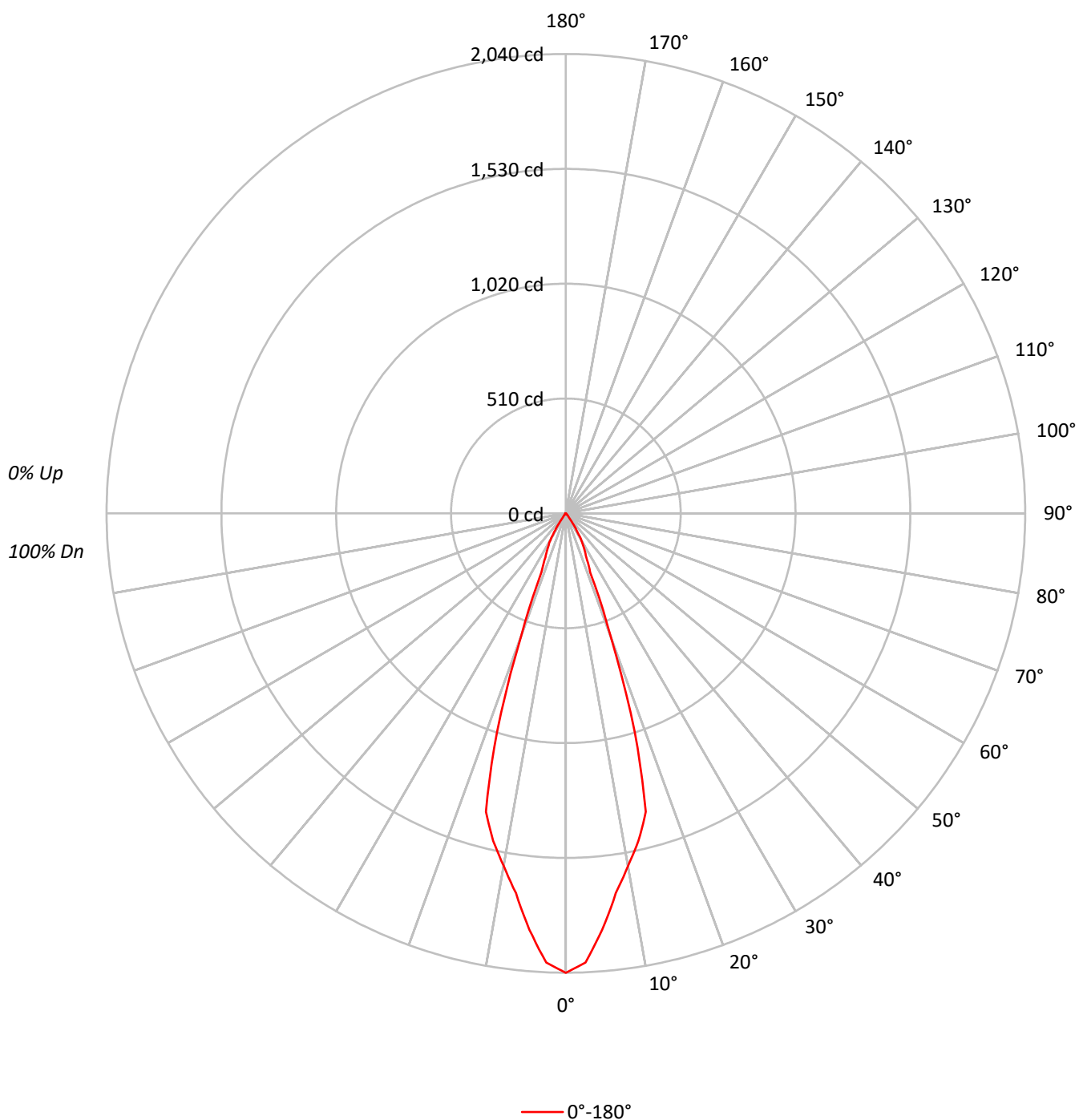
Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 22.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1426902

CATALOG NUMBER: P3A20RH9050D010 E3HY1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1426902

CATALOG NUMBER: P3A20RH9050D010 E3HY1GPH

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	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°	447442
5°	408474
10°	353924
15°	311330
20°	135438
25°	51874
30°	35094
35°	11886
40°	3693
45°	1147
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: 1147 cd/sqm

TEST NUMBER: P1426902

CATALOG NUMBER: P3A20RH9050D010 E3HY1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	25.5
10°-20°	337.7	51.2
20°-30°	114.4	17.4
30°-40°	35.0	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°	620.4	94.1
0°-40°	655.4	99.5
0°-60°	659.0	100.0
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2040	
5°	1856	168
15°	1371	338
25°	214	114
35°	44	35
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426902

CATALOG NUMBER: P3A20RH9050D010 E3HY1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2040.5
2.5°	1996.1
5°	1855.7
7.5°	1700.4
10°	1589.5
12.5°	1489.7
15°	1371.4
17.5°	1018.4
20°	580.4
22.5°	282.8
25°	214.4
27.5°	173.7
30°	138.6
32.5°	88.7
35°	44.4
37.5°	24.0
40°	12.9
42.5°	7.4
45°	3.7
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)