

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: P1426951

Luminaire Tested: P3A20RH9840D010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426951
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: P3A20RH9840D010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 98CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

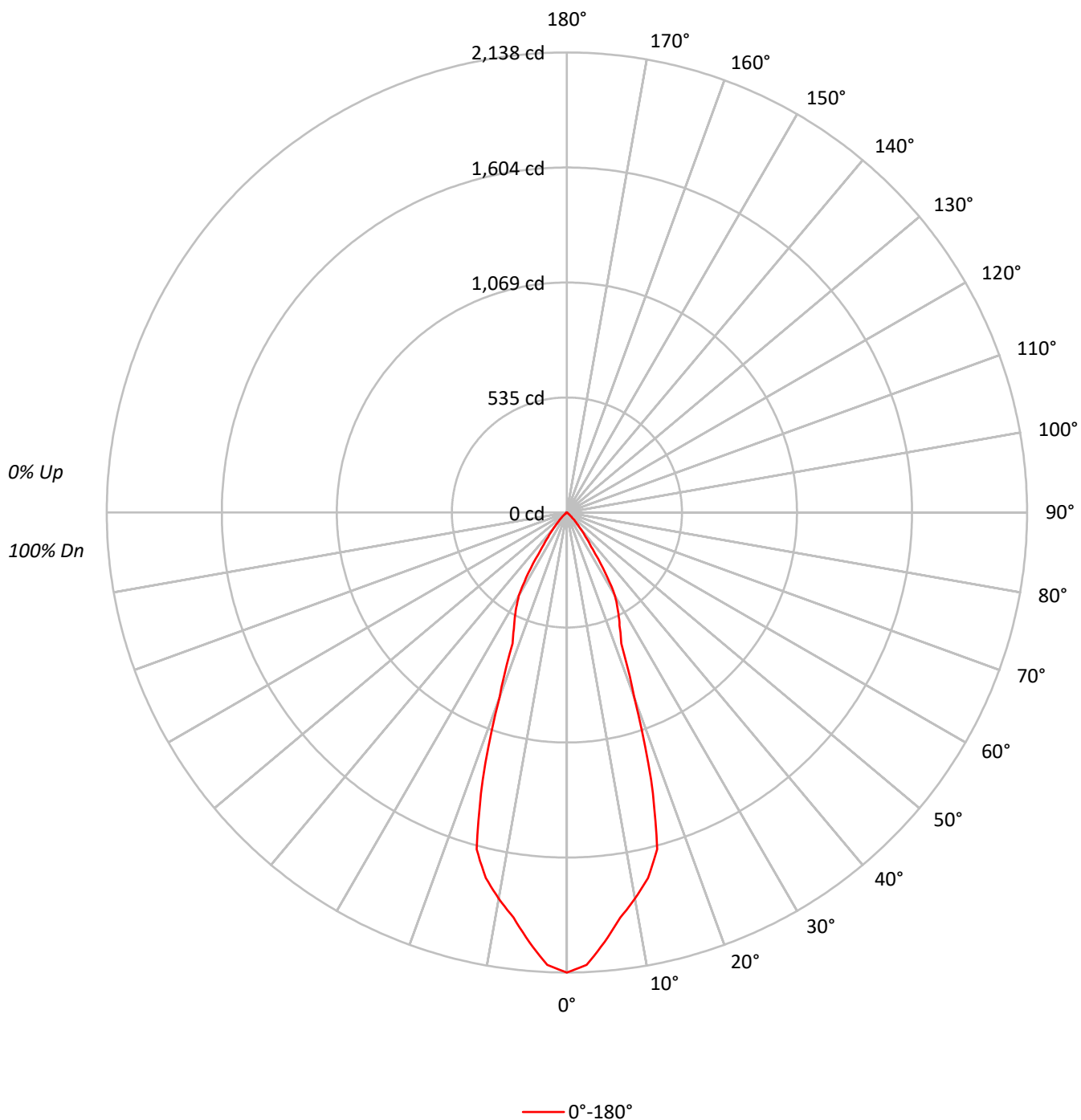
Lumens per Lamp: N/A
Luminaire Lumens: 1059.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1426951

CATALOG NUMBER: P3A20RH9840D010 E3HY1H

Luminous Intensity Polar Plot



TEST NUMBER: P1426951

CATALOG NUMBER: P3A20RH9840D010 E3HY1H

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°	468866
5°	441073
10°	405804
15°	367811
20°	214149
25°	140210
30°	113106
35°	55894
40°	28253
45°	12559
50°	3309
55°	612
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12559 cd/sqm

TEST NUMBER: P1426951

CATALOG NUMBER: P3A20RH9840D010 E3HY1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	17.5
10°-20°	414.6	39.1
20°-30°	276.4	26.1
30°-40°	145.9	13.8
40°-50°	34.3	3.2
50°-60°	2.5	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°	876.3	82.7
0°-40°	1022.2	96.5
0°-60°	1059.0	100.0
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2138	
5°	2004	185
15°	1620	415
25°	580	276
35°	209	146
45°	40	34
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426951

CATALOG NUMBER: P3A20RH9840D010 E3HY1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2138.2
2.5°	2104.2
5°	2003.8
7.5°	1898.6
10°	1822.5
12.5°	1740.0
15°	1620.2
17.5°	1301.3
20°	917.7
22.5°	658.8
25°	579.5
27.5°	514.7
30°	446.7
32.5°	333.4
35°	208.8
37.5°	142.4
40°	98.7
42.5°	64.7
45°	40.5
47.5°	22.7
50°	9.7
52.5°	4.9
55°	1.6
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)