

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: P1426900

Luminaire Tested: P3A20RH9040D010 E3HY1WMH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20RH9040D010 E3HY1WMH
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 90CRI , E3HY1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

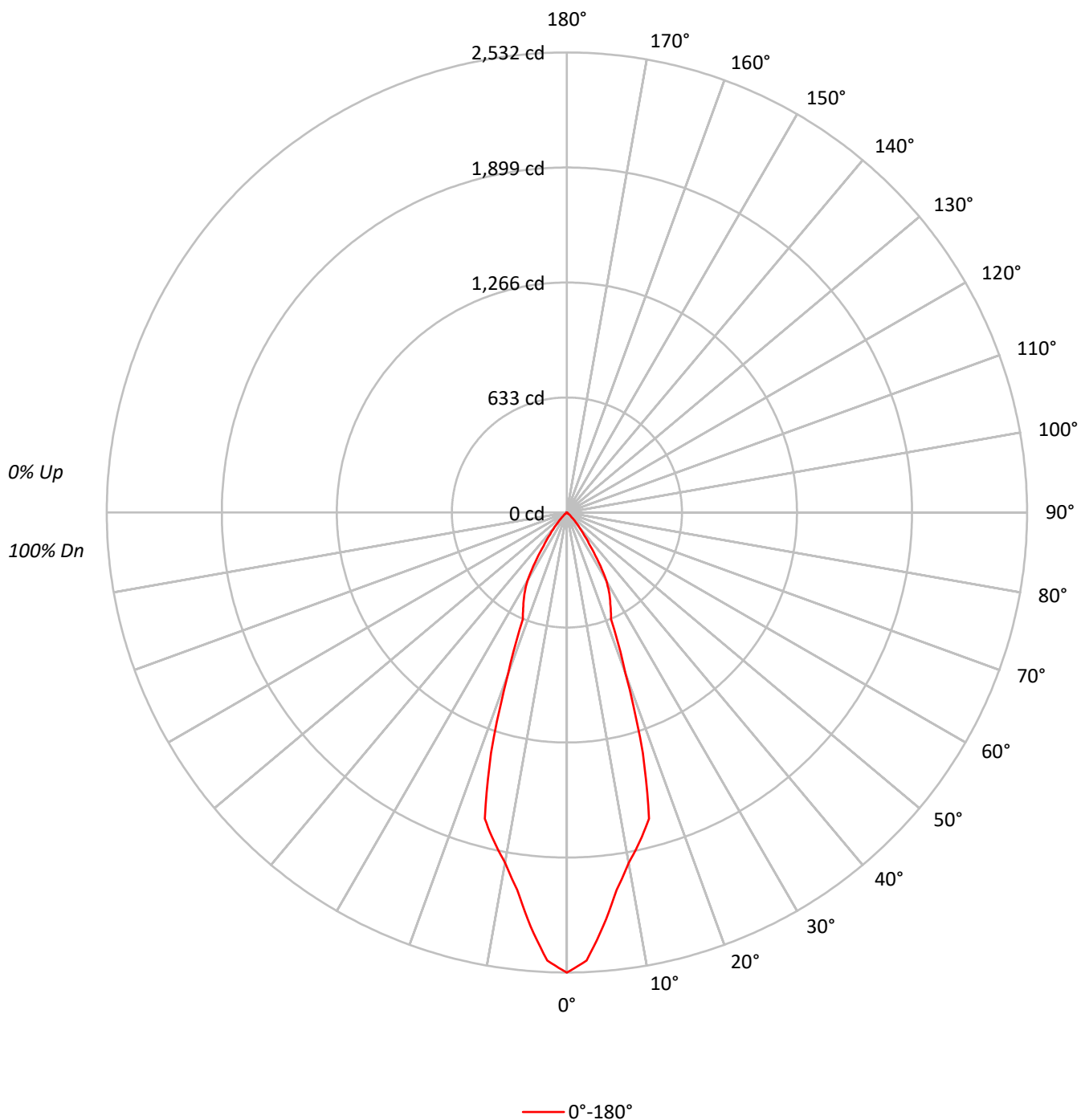
Lumens per Lamp: N/A
Luminaire Lumens: 1111.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1426900

CATALOG NUMBER: P3A20RH9040D010 E3HY1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1426900

CATALOG NUMBER: P3A20RH9040D010 E3HY1WMH

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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	109	105	102	99	107	104	100	98	100	98	96		97	95	93		95
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87
5	96	89	84	81	95	88	84	80	87	83	79		85	82	79		84
6	93	85	80	76	91	84	79	76	83	78	75		81	78	75		80
7	89	81	76	72	88	80	75	72	79	75	72		78	74	71		77
8	85	77	72	69	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	555306
5°	503411
10°	435953
15°	396188
20°	221033
25°	137234
30°	110017
35°	59856
40°	30171
45°	13521
50°	4332
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13521 cd/sqm

TEST NUMBER: P1426900

CATALOG NUMBER: P3A20RH9040D010 E3HY1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.5	18.7
10°-20°	442.3	39.8
20°-30°	272.1	24.5
30°-40°	148.5	13.4
40°-50°	37.2	3.3
50°-60°	3.4	0.3
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°	921.9	83.0
0°-40°	1070.4	96.3
0°-60°	1111.0	100.0
0°-90°	1111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2532	
5°	2287	207
15°	1745	442
25°	567	272
35°	224	148
45°	44	37
55°	2	3
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426900

CATALOG NUMBER: P3A20RH9040D010 E3HY1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2532.4
2.5°	2468.8
5°	2287.0
7.5°	2094.3
10°	1957.9
12.5°	1854.3
15°	1745.2
17.5°	1388.9
20°	947.2
22.5°	634.5
25°	567.2
27.5°	507.2
30°	434.5
32.5°	325.4
35°	223.6
37.5°	152.7
40°	105.4
42.5°	70.9
45°	43.6
47.5°	23.6
50°	12.7
52.5°	5.5
55°	1.8
57.5°	1.8
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)