

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: P1426783

Luminaire Tested: P3A17RH9830DE010 E3HY1H

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426783
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: P3A17RH9830DE010 E3HY1H
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 98CRI , E3HY1H TRIM
Light Source: -
Ballast/Driver: -

Summary

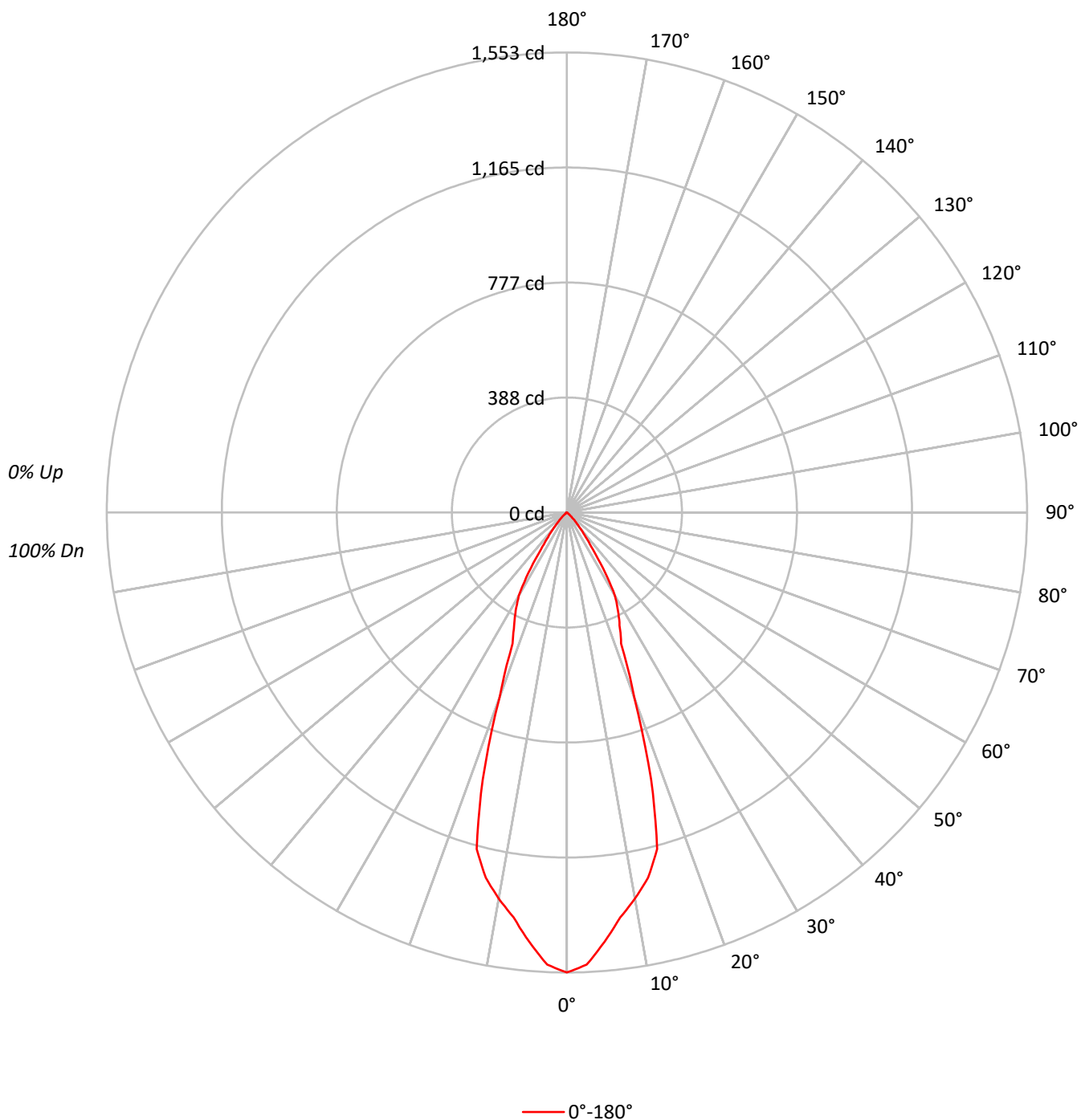
Lumens per Lamp: N/A
Luminaire Lumens: 769.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1426783

CATALOG NUMBER: P3A17RH9830DE010 E3HY1H

Luminous Intensity Polar Plot



TEST NUMBER: P1426783

CATALOG NUMBER: P3A17RH9830DE010 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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	110	108	106		106	104	103		102	101	99		98	98	97
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	93	88	85		91	87	84		89	85	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	78		83	80	78
6	92	84	79	76		91	84	79	75		82	78	75		81	77	74		80	76	74
7	88	80	75	72		87	80	75	71		79	74	71		77	74	71		76	73	70
8	85	77	71	68		84	76	71	68		75	71	67		74	70	67		73	70	67
9	82	73	68	65		81	73	68	65		72	67	64		71	67	64		70	67	64
10	79	70	65	62		78	70	65	62		69	65	61		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	340455
5°	320294
10°	294673
15°	267084
20°	155507
25°	101812
30°	82139
35°	40582
40°	20524
45°	9117
50°	2422
55°	459
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9117 cd/sqm

TEST NUMBER: P1426783

CATALOG NUMBER: P3A17RH9830DE010 E3HY1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	17.5
10°-20°	301.0	39.1
20°-30°	200.7	26.1
30°-40°	106.0	13.8
40°-50°	24.9	3.2
50°-60°	1.8	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°	636.3	82.7
0°-40°	742.3	96.5
0°-60°	769.0	100.0
0°-90°	769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1553	
5°	1455	135
15°	1176	301
25°	421	201
35°	152	106
45°	29	25
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1426783

CATALOG NUMBER: P3A17RH9830DE010 E3HY1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1552.6
2.5°	1528.0
5°	1455.1
7.5°	1378.7
10°	1323.4
12.5°	1263.5
15°	1176.5
17.5°	945.0
20°	666.4
22.5°	478.4
25°	420.8
27.5°	373.8
30°	324.4
32.5°	242.1
35°	151.6
37.5°	103.4
40°	71.7
42.5°	47.0
45°	29.4
47.5°	16.5
50°	7.1
52.5°	3.5
55°	1.2
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)