

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: P1426737

Luminaire Tested: P3A17RH9035DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17RH9035DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3500K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

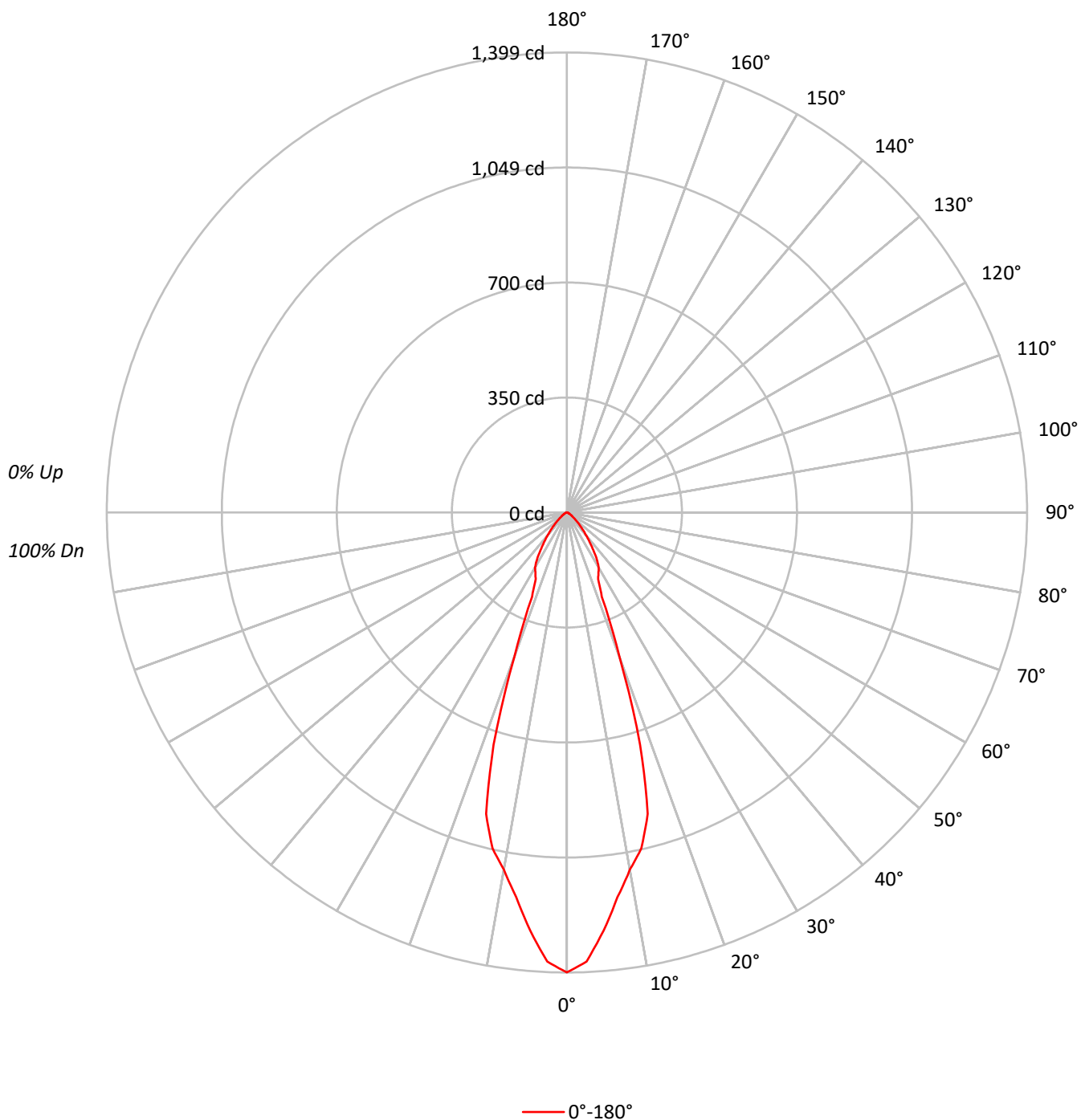
Lumens per Lamp: N/A
Luminaire Lumens: 636.0 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	97	106	102	98	96	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68
10	76	68	62	59	75	67	62	59	66	62	59		66	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306686
5°	281003
10°	245531
15°	215393
20°	108999
25°	54269
30°	49046
35°	37290
40°	26221
45°	17707
50°	11326
55°	7608
60°	5219
65°	4151
70°	2565
75°	2288
80°	1642
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17707 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	18.3
10°-20°	240.4	37.8
20°-30°	117.2	18.4
30°-40°	87.6	13.8
40°-50°	45.1	7.1
50°-60°	18.6	2.9
60°-70°	7.5	1.2
70°-80°	2.8	0.4
80°-90°	0.5	0.1
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°	473.9	74.5
0°-40°	561.5	88.3
0°-60°	625.2	98.3
0°-90°	636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1399	
5°	1277	116
15°	949	240
25°	224	117
35°	139	88
45°	57	45
55°	20	19
65°	8	8
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1398.6
2.5°	1366.8
5°	1276.6
7.5°	1179.7
10°	1102.7
12.5°	1045.7
15°	948.8
17.5°	740.5
20°	467.1
22.5°	277.3
25°	224.3
27.5°	207.0
30°	193.7
32.5°	169.9
35°	139.3
37.5°	114.1
40°	91.6
42.5°	73.0
45°	57.1
47.5°	43.8
50°	33.2
52.5°	25.2
55°	19.9
57.5°	15.9
60°	11.9
62.5°	9.3
65°	8.0
67.5°	5.3
70°	4.0
72.5°	4.0
75°	2.7
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)