

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: P1426563

Luminaire Tested: P3A13RH9727DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426563
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: P3A13RH9727DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 97CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

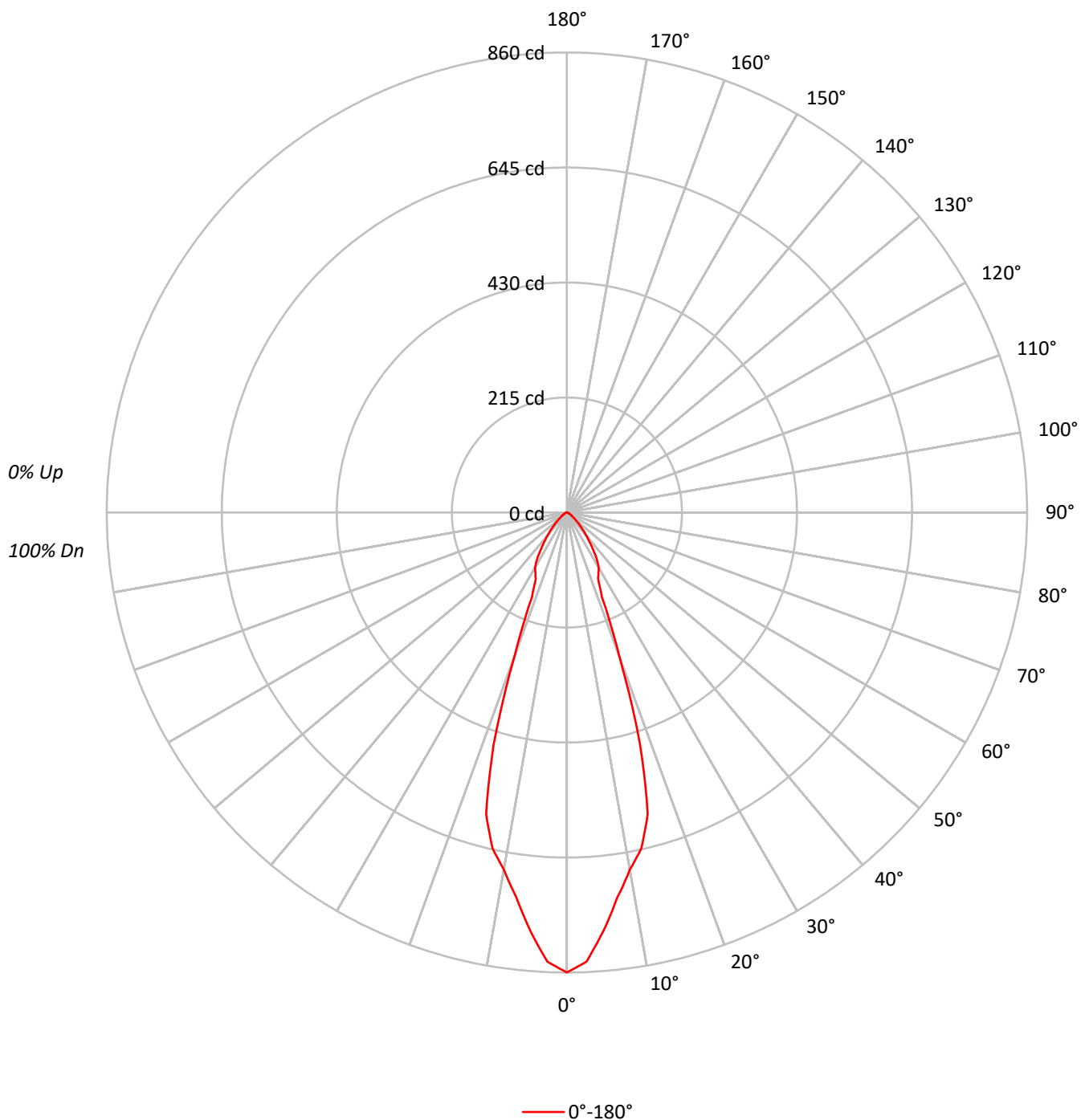
Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1426563

CATALOG NUMBER: P3A13RH9727DE010 E3HY1MW

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	92	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°	188559
5°	172749
10°	150944
15°	132418
20°	67019
25°	33365
30°	30157
35°	22941
40°	16116
45°	10885
50°	6959
55°	4664
60°	3201
65°	2542
70°	1539
75°	1356
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	18.3
10°-20°	147.8	37.8
20°-30°	72.1	18.4
30°-40°	53.9	13.8
40°-50°	27.7	7.1
50°-60°	11.4	2.9
60°-70°	4.6	1.2
70°-80°	1.7	0.4
80°-90°	0.3	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°	291.3	74.5
0°-40°	345.2	88.3
0°-60°	384.3	98.3
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	860	
5°	785	71
15°	583	148
25°	138	72
35°	86	54
45°	35	28
55°	12	11
65°	5	5
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	859.9
2.5°	840.3
5°	784.8
7.5°	725.2
10°	677.9
12.5°	642.9
15°	583.3
17.5°	455.2
20°	287.2
22.5°	170.5
25°	137.9
27.5°	127.3
30°	119.1
32.5°	104.4
35°	85.7
37.5°	70.2
40°	56.3
42.5°	44.9
45°	35.1
47.5°	26.9
50°	20.4
52.5°	15.5
55°	12.2
57.5°	9.8
60°	7.3
62.5°	5.7
65°	4.9
67.5°	3.3
70°	2.4
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)