

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: P1426599

Luminaire Tested: P3A13RH9835DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426599
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: P3A13RH9835DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3500K CCT AND, 98CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

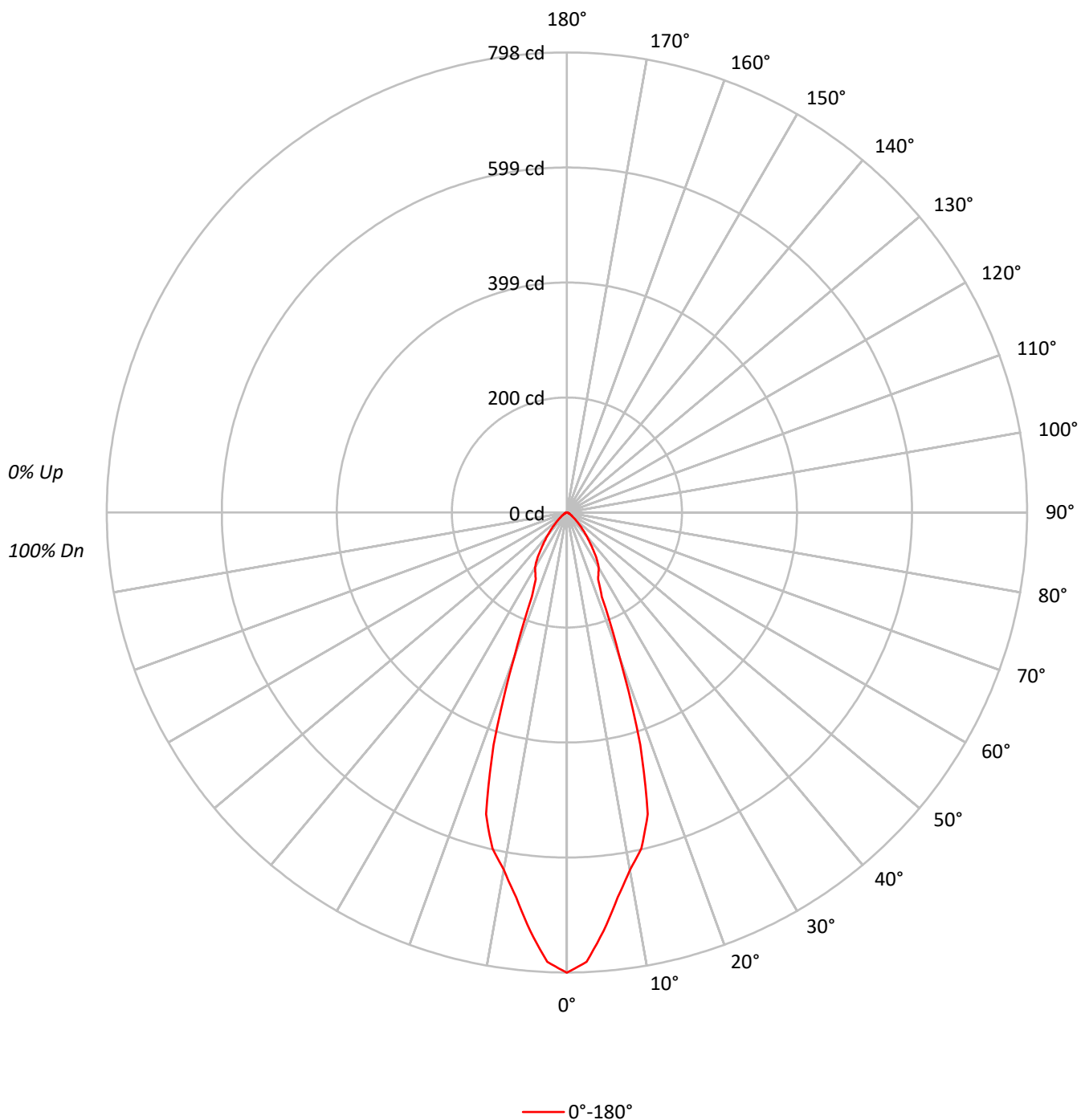
Lumens per Lamp: N/A
Luminaire Lumens: 363.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	82
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74	70	67	66
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70	67	64	62
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	68	62	59	75	67	62	59	66	62	59		66	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	175052
5°	160378
10°	140144
15°	122929
20°	62212
25°	30970
30°	28004
35°	21282
40°	14971
45°	10110
50°	6448
55°	4358
60°	2982
65°	2335
70°	1475
75°	1271
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	18.3
10°-20°	137.2	37.8
20°-30°	66.9	18.4
30°-40°	50.0	13.8
40°-50°	25.8	7.1
50°-60°	10.6	2.9
60°-70°	4.3	1.2
70°-80°	1.6	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°	270.5	74.5
0°-40°	320.4	88.3
0°-60°	356.8	98.3
0°-90°	363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	798	
5°	729	66
15°	542	137
25°	128	67
35°	80	50
45°	33	26
55°	11	11
65°	4	4
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	798.3
2.5°	780.1
5°	728.6
7.5°	673.3
10°	629.4
12.5°	596.8
15°	541.5
17.5°	422.6
20°	266.6
22.5°	158.3
25°	128.0
27.5°	118.2
30°	110.6
32.5°	96.9
35°	79.5
37.5°	65.1
40°	52.3
42.5°	41.7
45°	32.6
47.5°	25.0
50°	18.9
52.5°	14.4
55°	11.4
57.5°	9.1
60°	6.8
62.5°	5.3
65°	4.5
67.5°	3.0
70°	2.3
72.5°	2.3
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)