

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: P1426035

Luminaire Tested: P3A02RH9035DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426035
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: P3A02RH9035DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3500K CCT AND, 90CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

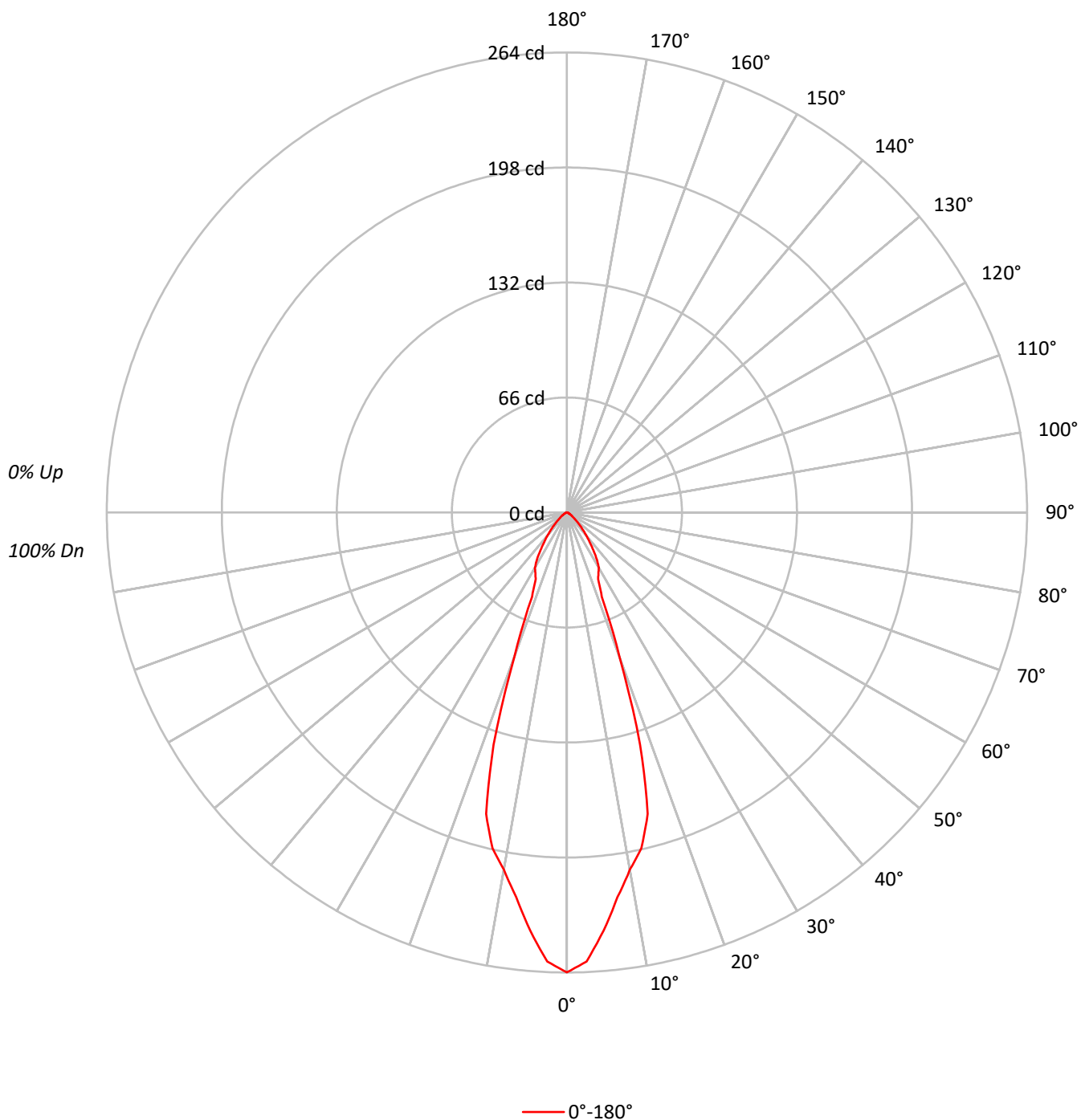
Lumens per Lamp: N/A
Luminaire Lumens: 120.1 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

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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	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	89	101	96	91	88	93	90	87		91	88	85		89
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84
5	94	86	81	77	93	85	80	76	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	71		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	64	72	68	64		71	67	64		70
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68
10	76	68	62	59	75	67	62	59	66	62	58		66	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57868
5°	53026
10°	46336
15°	40636
20°	20558
25°	10234
30°	9267
35°	7040
40°	4952
45°	3349
50°	2149
55°	1453
60°	1009
65°	778
70°	513
75°	424
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	18.3
10°-20°	45.4	37.8
20°-30°	22.1	18.4
30°-40°	16.5	13.8
40°-50°	8.5	7.1
50°-60°	3.5	2.9
60°-70°	1.4	1.2
70°-80°	0.6	0.5
80°-90°	0.1	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°	89.4	74.4
0°-40°	105.9	88.2
0°-60°	118.0	98.2
0°-90°	120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	120.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	264	
5°	241	22
15°	179	45
25°	42	22
35°	26	17
45°	11	9
55°	4	4
65°	2	1
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	263.9
2.5°	257.9
5°	240.9
7.5°	222.6
10°	208.1
12.5°	197.3
15°	179.0
17.5°	139.7
20°	88.1
22.5°	52.3
25°	42.3
27.5°	39.1
30°	36.6
32.5°	32.0
35°	26.3
37.5°	21.5
40°	17.3
42.5°	13.8
45°	10.8
47.5°	8.3
50°	6.3
52.5°	4.8
55°	3.8
57.5°	3.0
60°	2.3
62.5°	1.8
65°	1.5
67.5°	1.0
70°	0.8
72.5°	0.8
75°	0.5
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)