

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: P1426053

Luminaire Tested: P3A02RH9727DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426053
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: P3A02RH9727DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 2700K CCT AND, 97CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

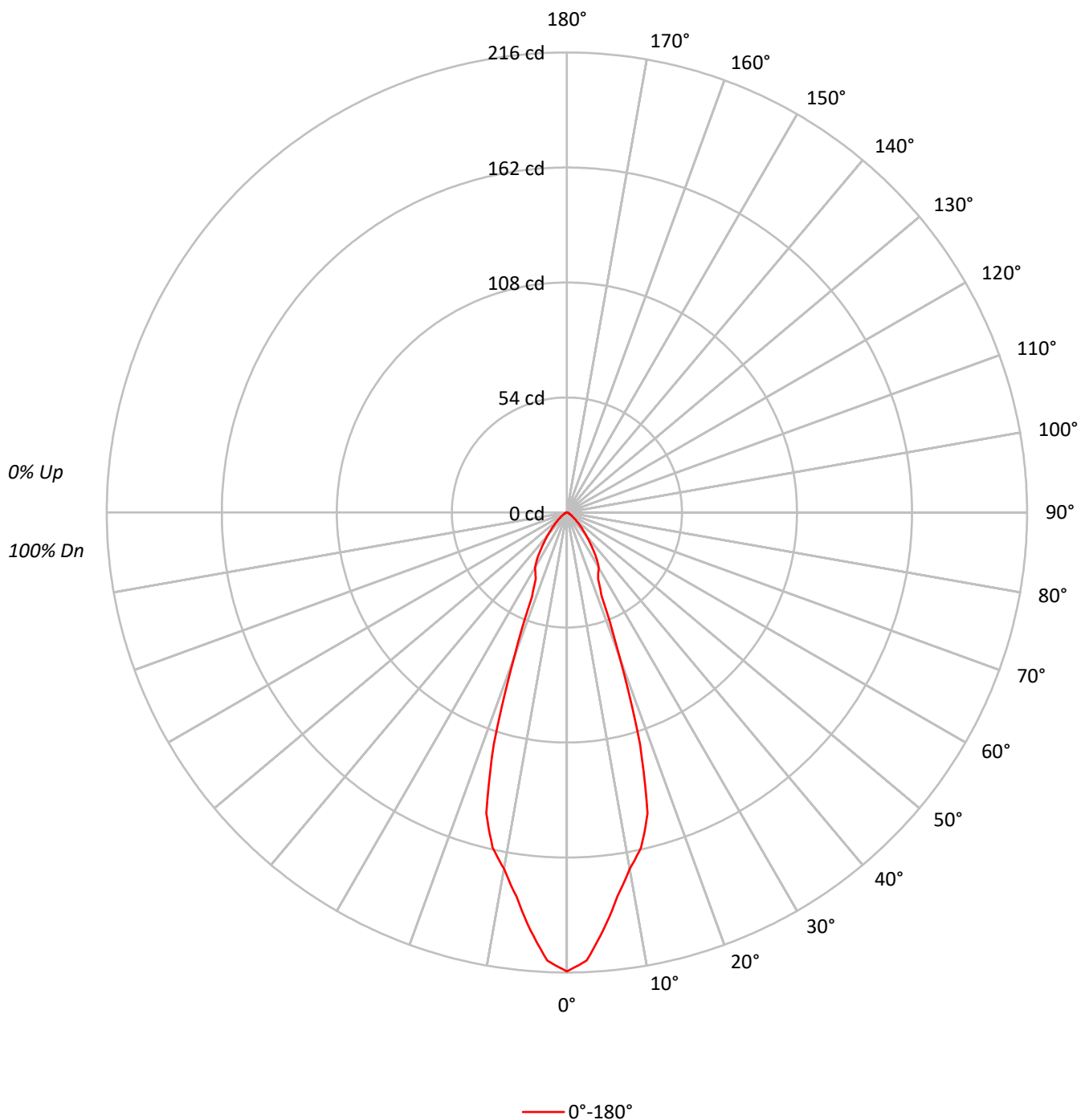
Lumens per Lamp: N/A
Luminaire Lumens: 98.0 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	99		98
2	108	104	100	97	106	102	99	96	99	96	93		96	94	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°	47255
5°	43297
10°	37831
15°	33190
20°	16801
25°	8371
30°	7571
35°	5755
40°	4036
45°	2729
50°	1740
55°	1185
60°	789
65°	623
70°	385
75°	339
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	18.3
10°-20°	37.0	37.8
20°-30°	18.1	18.4
30°-40°	13.5	13.8
40°-50°	6.9	7.1
50°-60°	2.9	2.9
60°-70°	1.1	1.2
70°-80°	0.4	0.4
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°	73.0	74.5
0°-40°	86.5	88.3
0°-60°	96.3	98.3
0°-90°	98.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	98.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	216	
5°	197	18
15°	146	37
25°	35	18
35°	22	14
45°	9	7
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	215.5
2.5°	210.6
5°	196.7
7.5°	181.8
10°	169.9
12.5°	161.1
15°	146.2
17.5°	114.1
20°	72.0
22.5°	42.7
25°	34.6
27.5°	31.9
30°	29.9
32.5°	26.2
35°	21.5
37.5°	17.6
40°	14.1
42.5°	11.2
45°	8.8
47.5°	6.7
50°	5.1
52.5°	3.9
55°	3.1
57.5°	2.5
60°	1.8
62.5°	1.4
65°	1.2
67.5°	0.8
70°	0.6
72.5°	0.6
75°	0.4
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)