

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: P1268774

Luminaire Tested: P3A02R559740DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R559740DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

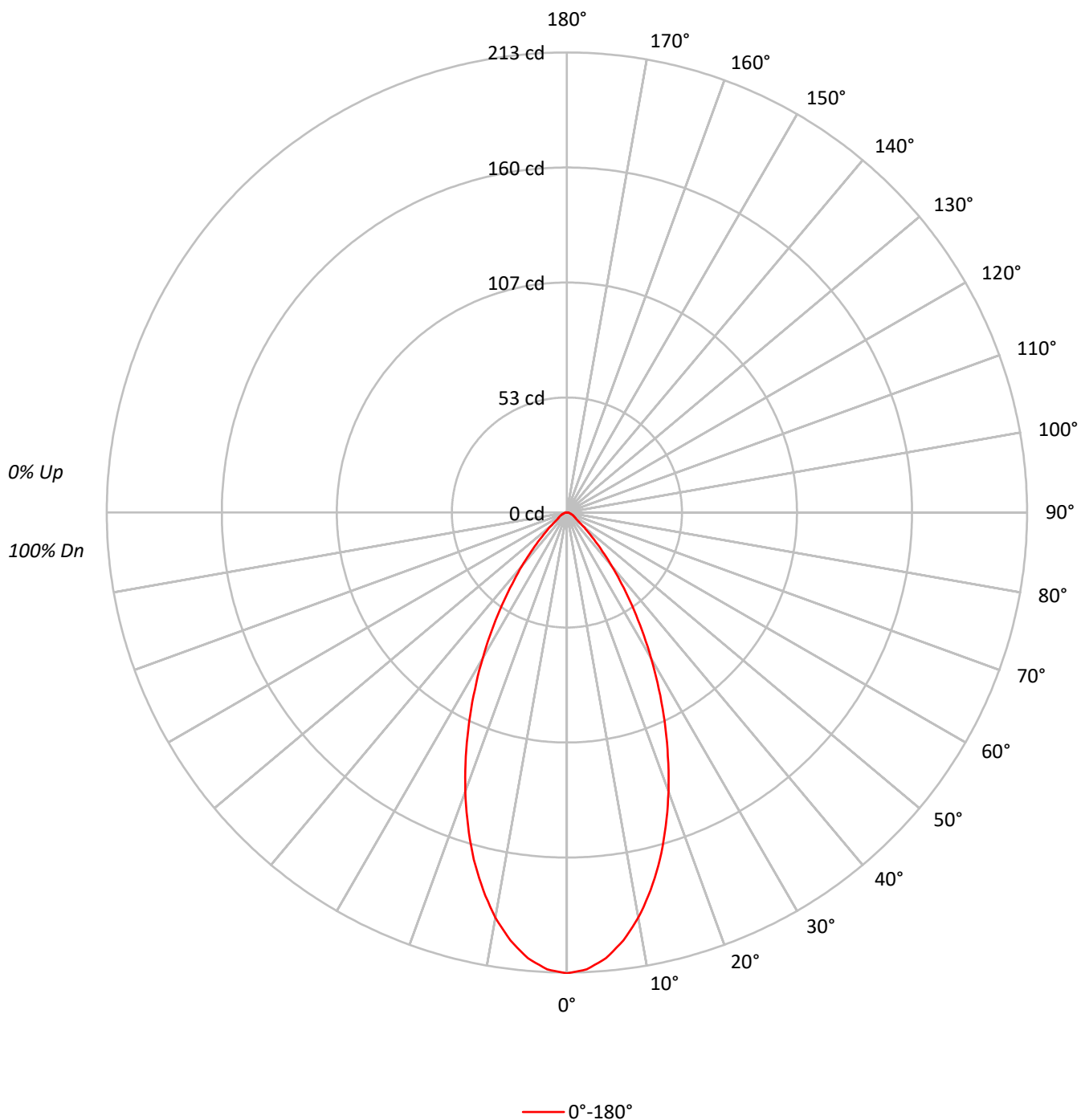
Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1268774

CATALOG NUMBER: P3A02R559740DE010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1268774

CATALOG NUMBER: P3A02R559740DE010 E3DLP1H

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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46794
5°	45609
10°	42417
15°	37775
20°	32086
25°	25889
30°	19750
35°	14054
40°	9275
45°	5489
50°	3241
55°	1988
60°	1754
65°	1608
70°	1346
75°	1186
80°	1137
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5489 cd/sqm

TEST NUMBER: P1268774

CATALOG NUMBER: P3A02R559740DE010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	11.2
10°-20°	46.1	26.8
20°-30°	48.9	28.4
30°-40°	33.0	19.2
40°-50°	14.5	8.4
50°-60°	5.2	3.0
60°-70°	3.0	1.8
70°-80°	1.6	0.9
80°-90°	0.5	0.3
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°	114.2	66.4
0°-40°	147.2	85.6
0°-60°	166.9	97.0
0°-90°	172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	172.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	213	
5°	207	19
15°	166	46
25°	107	49
35°	52	33
45°	18	14
55°	5	5
65°	3	3
75°	1	2
85°	0	1
90°	0	

TEST NUMBER: P1268774

CATALOG NUMBER: P3A02R559740DE010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	213.4
2.5°	211.7
5°	207.2
7.5°	199.9
10°	190.5
12.5°	179.1
15°	166.4
17.5°	152.2
20°	137.5
22.5°	122.2
25°	107.0
27.5°	92.2
30°	78.0
32.5°	64.5
35°	52.5
37.5°	41.6
40°	32.4
42.5°	24.3
45°	17.7
47.5°	13.0
50°	9.5
52.5°	6.6
55°	5.2
57.5°	4.7
60°	4.0
62.5°	3.5
65°	3.1
67.5°	2.6
70°	2.1
72.5°	1.9
75°	1.4
77.5°	1.2
80°	0.9
82.5°	0.7
85°	0.5
87.5°	0.2
90°	0.0

(END OF REPORT)