

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: P1266243

Luminaire Tested: P3A02R309735DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309735DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

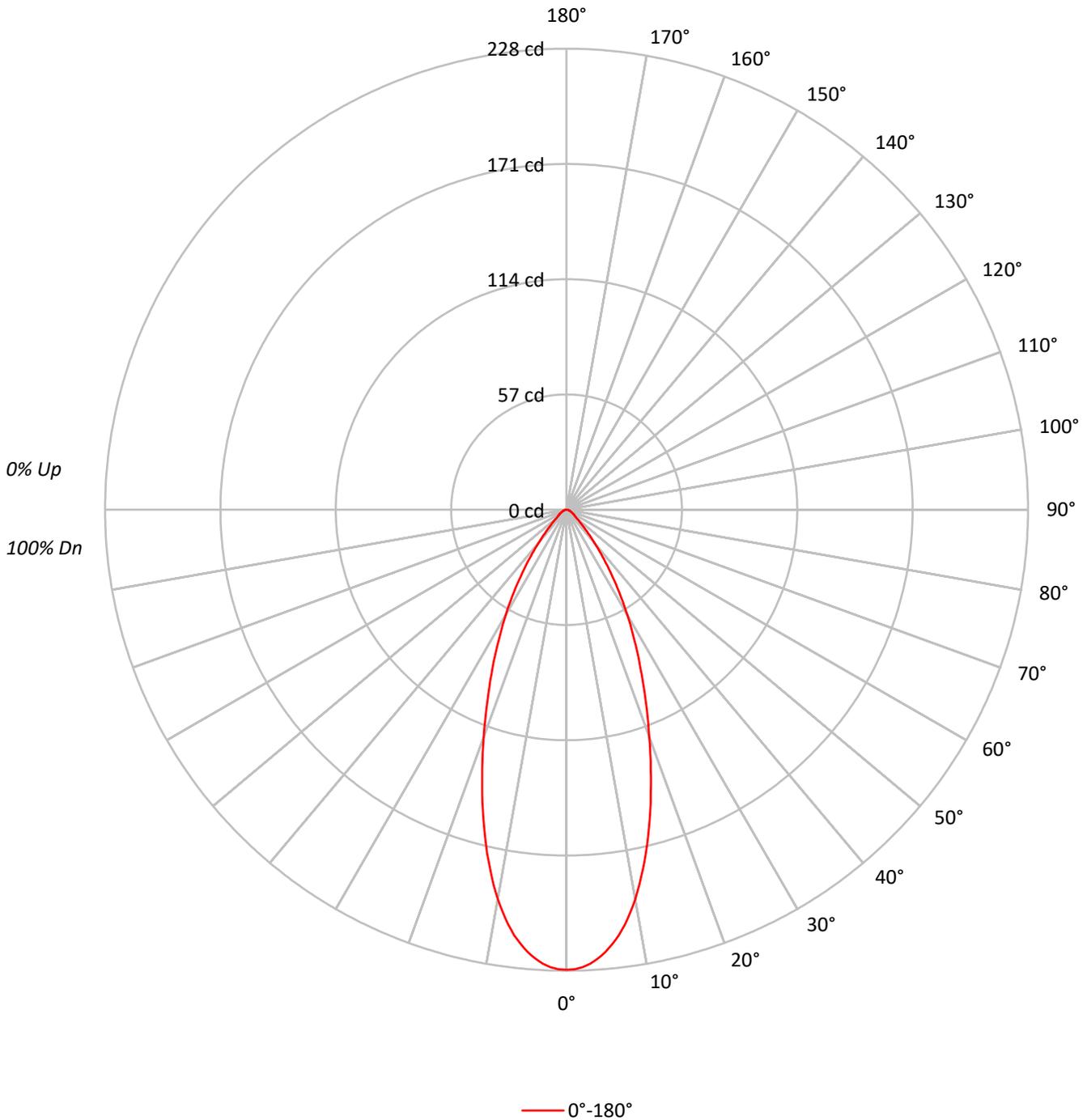
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 146.0 lumens
Efficiency: N/A
Efficacy: 40.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74				74
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70				70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65				65
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61				61
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58				58
9	76	67	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55				55
10	73	63	58	54	72	63	57	54	62	57	53	61	57	53	60	56	53	52				52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49886
5°	48338
10°	43553
15°	36027
20°	27886
25°	20929
30°	15192
35°	10119
40°	6212
45°	3659
50°	2252
55°	1835
60°	1579
65°	1297
70°	1154
75°	1186
80°	884
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3659 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	13.8
10°-20°	43.7	29.9
20°-30°	39.8	27.2
30°-40°	24.0	16.5
40°-50°	9.6	6.6
50°-60°	4.3	2.9
60°-70°	2.6	1.8
70°-80°	1.4	1.0
80°-90°	0.4	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°	103.7	71.0
0°-40°	127.7	87.5
0°-60°	141.6	97.0
0°-90°	146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	228	
5°	220	20
15°	159	44
25°	86	40
35°	38	24
45°	12	10
55°	5	4
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	227.5
1°	227.3
2°	226.4
3°	224.8
4°	222.5
5°	219.6
6°	216.0
7°	212.1
8°	207.1
9°	201.5
10°	195.6
11°	188.8
12°	181.6
13°	174.3
14°	166.4
15°	158.7
17.5°	138.6
20°	119.5
22.5°	101.9
25°	86.5
27.5°	72.4
30°	60.0
32.5°	48.4
35°	37.8
37.5°	29.0
40°	21.7
42.5°	15.8
45°	11.8
47.5°	8.8
50°	6.6
52.5°	5.2
55°	4.8
57.5°	4.1
60°	3.6
62.5°	2.9
65°	2.5
67.5°	2.3
70°	1.8
72.5°	1.6
75°	1.4
77.5°	1.1
80°	0.7
82.5°	0.5
85°	0.5
87.5°	0.2



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)