

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: P1265149

Luminaire Tested: P3A13R459730DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R459730DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

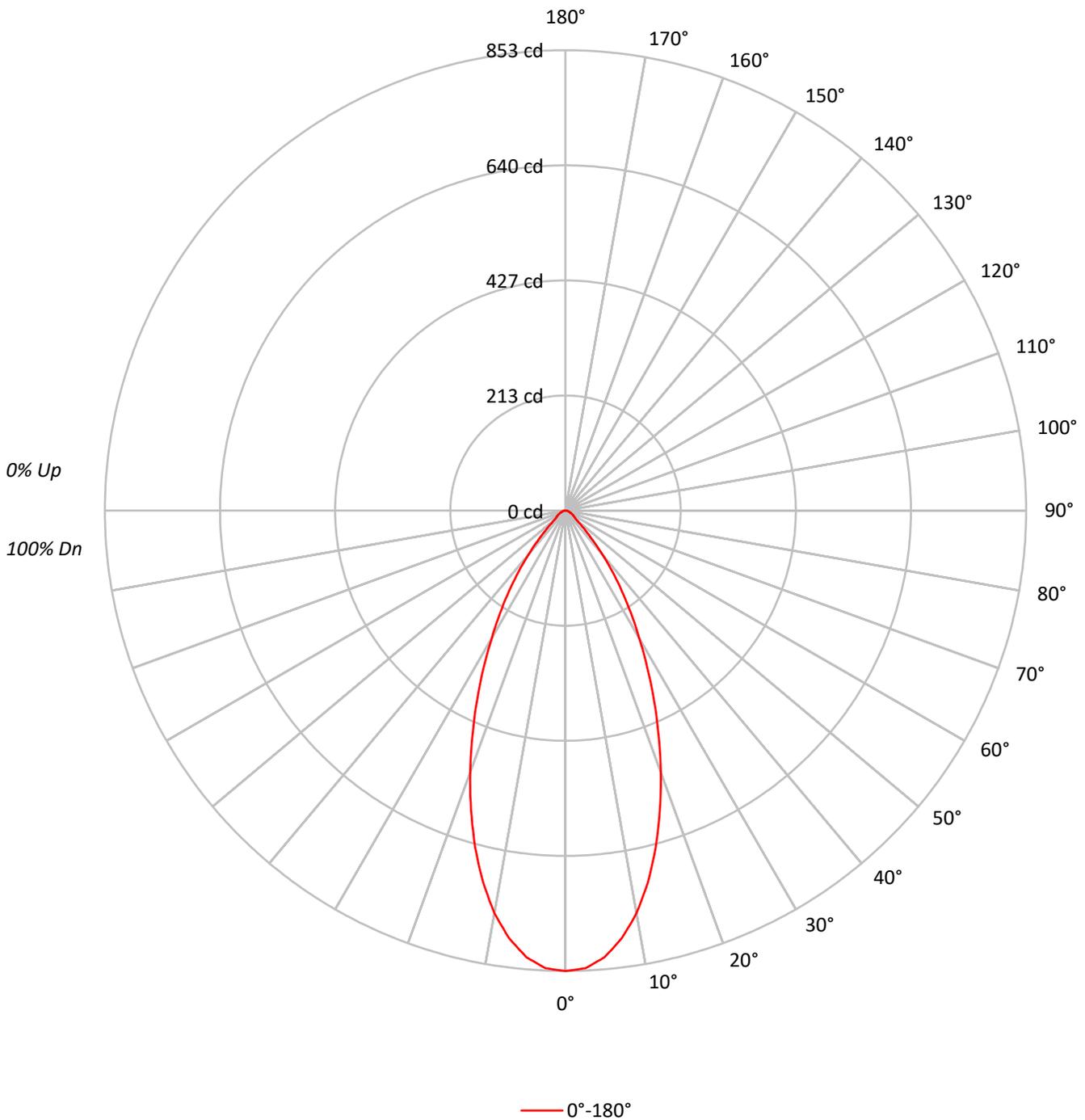
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 628.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86				86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79				79
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69				69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64				64
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60				60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56				56
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53				53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187046
5°	182786
10°	168623
15°	146630
20°	120457
25°	93731
30°	69201
35°	48693
40°	30400
45°	16467
50°	8904
55°	7646
60°	6885
65°	5863
70°	5001
75°	5168
80°	4420
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	12.2
10°-20°	178.6	28.4
20°-30°	177.3	28.2
30°-40°	114.2	18.2
40°-50°	44.0	7.0
50°-60°	17.9	2.8
60°-70°	11.3	1.8
70°-80°	6.1	1.0
80°-90°	1.9	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°	432.7	68.9
0°-40°	546.9	87.1
0°-60°	608.7	96.9
0°-90°	628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	853	
5°	830	77
15°	646	179
25°	387	177
35°	182	114
45°	53	44
55°	20	18
65°	11	11
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	853.0
2.5°	848.7
5°	830.4
7.5°	799.1
10°	757.3
12.5°	705.1
15°	645.9
17.5°	581.5
20°	516.2
22.5°	450.0
25°	387.4
27.5°	328.2
30°	273.3
32.5°	225.4
35°	181.9
37.5°	142.8
40°	106.2
42.5°	76.6
45°	53.1
47.5°	35.7
50°	26.1
52.5°	21.8
55°	20.0
57.5°	17.4
60°	15.7
62.5°	13.1
65°	11.3
67.5°	9.6
70°	7.8
72.5°	7.0
75°	6.1
77.5°	4.4
80°	3.5
82.5°	2.6
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)