

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: P1267901

Luminaire Tested: P3A17R509735DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R509735DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

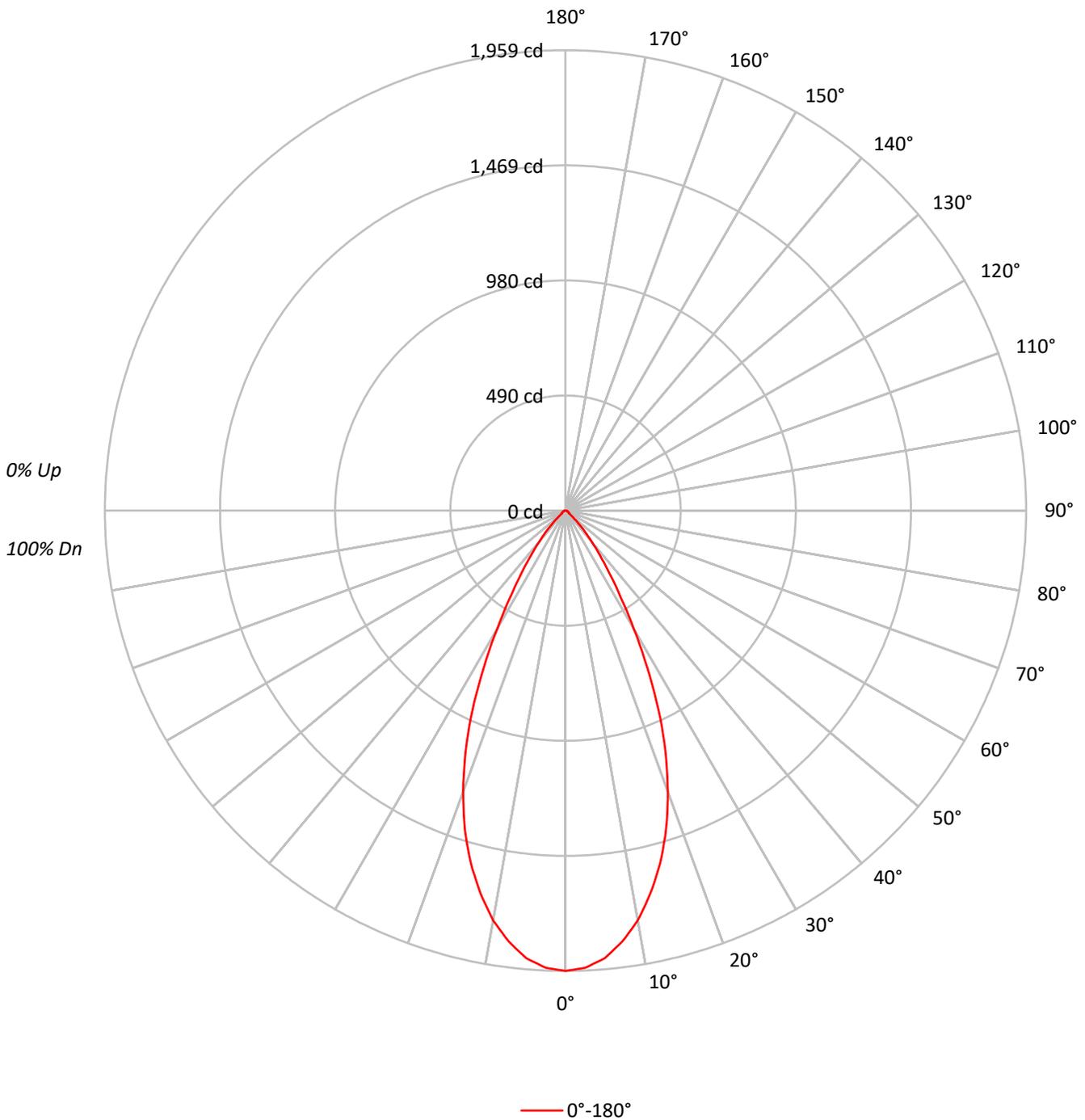
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1349.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			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	100	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76	76	76	76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72	72	72	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67	67	67	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64	64	64	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57	57	57	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54	54	54	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	429505
5°	420844
10°	394203
15°	352896
20°	296966
25°	226658
30°	147288
35°	87321
40°	50466
45°	25305
50°	9415
55°	7340
60°	6842
65°	6226
70°	6155
75°	6100
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25305 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	13.2
10°-20°	429.9	31.9
20°-30°	421.7	31.3
30°-40°	212.5	15.7
40°-50°	67.1	5.0
50°-60°	17.4	1.3
60°-70°	12.3	0.9
70°-80°	7.6	0.6
80°-90°	2.6	0.2
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°	1029.5	76.3
0°-40°	1242.0	92.1
0°-60°	1326.5	98.3
0°-90°	1349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1959	
5°	1912	178
15°	1554	430
25°	937	422
35°	326	212
45°	82	67
55°	19	17
65°	12	12
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1958.7
2.5°	1946.7
5°	1911.9
7.5°	1849.5
10°	1770.4
12.5°	1668.4
15°	1554.5
17.5°	1422.5
20°	1272.6
22.5°	1110.7
25°	936.8
27.5°	752.0
30°	581.7
32.5°	437.8
35°	326.2
37.5°	241.1
40°	176.3
42.5°	124.7
45°	81.6
47.5°	46.8
50°	27.6
52.5°	20.4
55°	19.2
57.5°	16.8
60°	15.6
62.5°	14.4
65°	12.0
67.5°	10.8
70°	9.6
72.5°	8.4
75°	7.2
77.5°	6.0
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)