

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: P1265522

Luminaire Tested: P3A17R509730DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265522
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: P3A17R509730DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

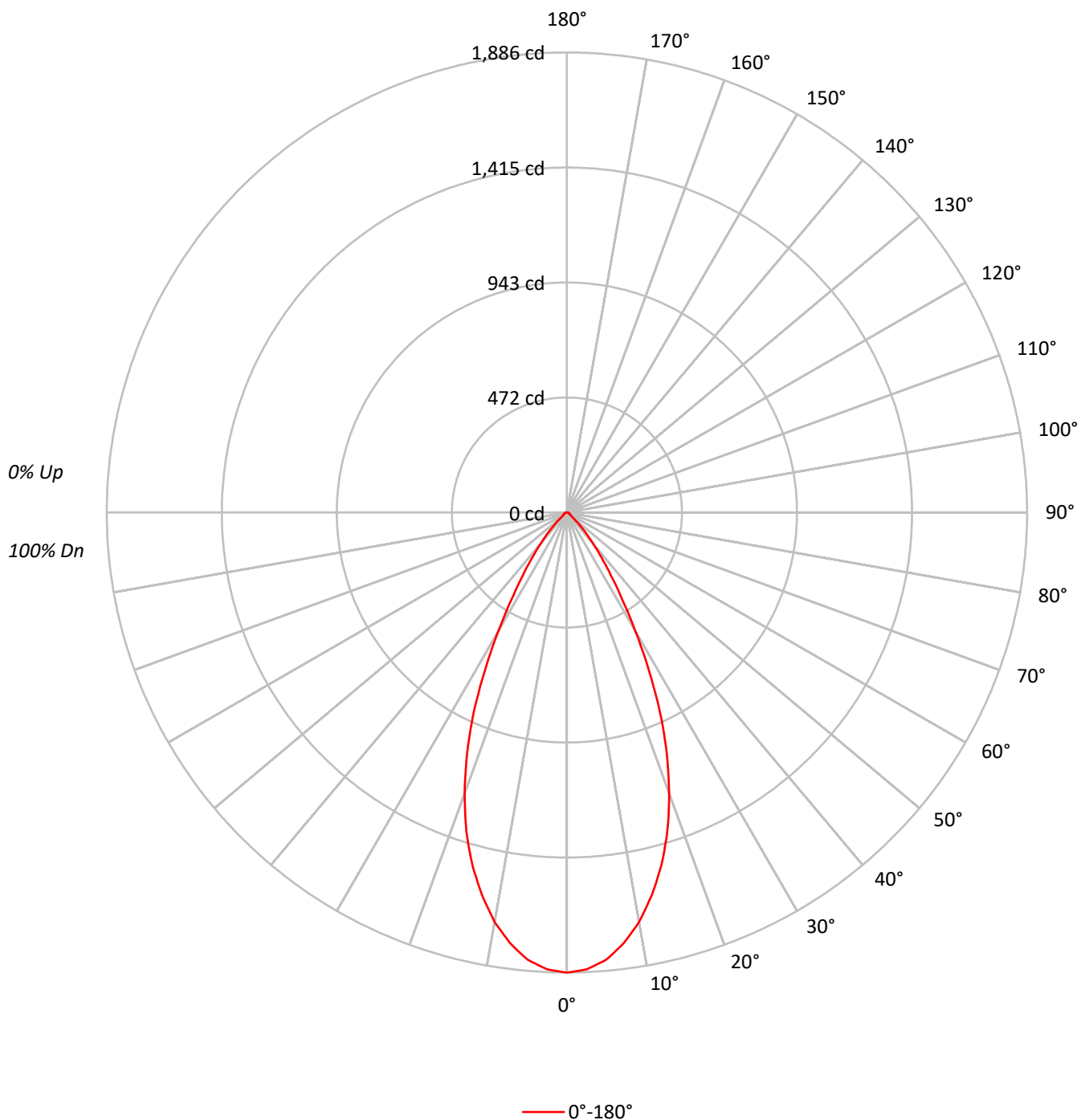
Lumens per Lamp: N/A
Luminaire Lumens: 1299.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					30					10					0
RW	70	50	30	10	70	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
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	413585
5°	405238
10°	379574
15°	339798
20°	285952
25°	218238
30°	141845
35°	84109
40°	48605
45°	24344
50°	9074
55°	7073
60°	6578
65°	5967
70°	5898
75°	5846
80°	5809
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	13.2
10°-20°	413.9	31.9
20°-30°	406.1	31.3
30°-40°	204.6	15.8
40°-50°	64.6	5.0
50°-60°	16.8	1.3
60°-70°	11.8	0.9
70°-80°	7.3	0.6
80°-90°	2.5	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°	991.3	76.3
0°-40°	1195.9	92.1
0°-60°	1277.3	98.3
0°-90°	1299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1886	
5°	1841	171
15°	1497	414
25°	902	406
35°	314	205
45°	78	65
55°	18	17
65°	12	12
75°	7	7
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1886.1
2.5°	1874.5
5°	1841.0
7.5°	1781.0
10°	1704.7
12.5°	1606.6
15°	1496.8
17.5°	1369.8
20°	1225.4
22.5°	1069.5
25°	902.0
27.5°	724.2
30°	560.2
32.5°	421.6
35°	314.2
37.5°	232.1
40°	169.8
42.5°	120.1
45°	78.5
47.5°	45.0
50°	26.6
52.5°	19.6
55°	18.5
57.5°	16.2
60°	15.0
62.5°	13.9
65°	11.5
67.5°	10.4
70°	9.2
72.5°	8.1
75°	6.9
77.5°	5.8
80°	4.6
82.5°	3.5
85°	2.3
87.5°	1.2
90°	0.0

(END OF REPORT)