

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: P1263025

Luminaire Tested: P3A17R309727DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R309727DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

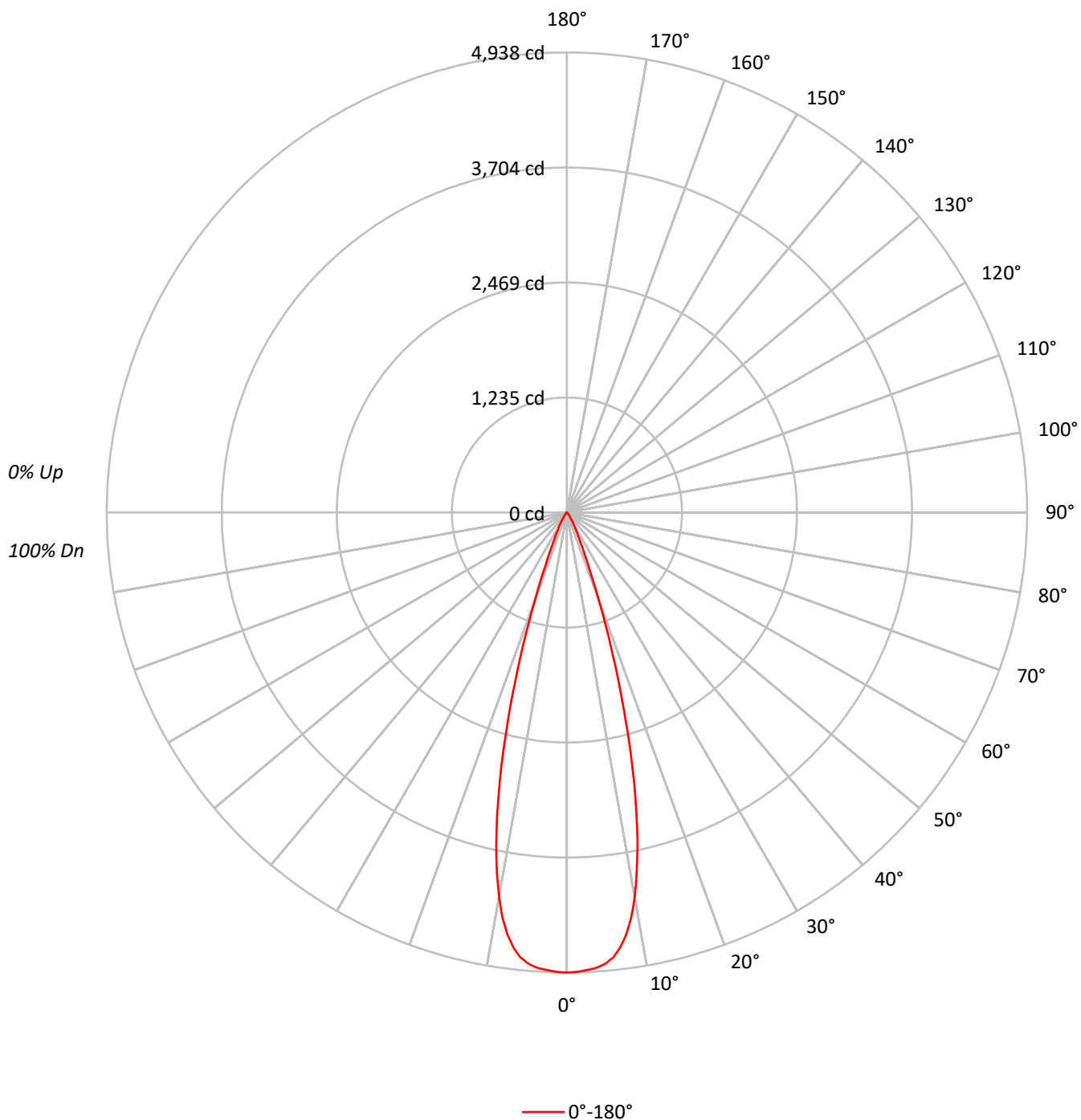
Lumens per Lamp: N/A
Luminaire Lumens: 1361.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1263025

CATALOG NUMBER: P3A17R309727DE010 E3D1WMH

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	87	86	85
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	84	83	82
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	81	80	79
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79	78	77
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	77	76	75
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	75	74	73
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1082852
5°	1068740
10°	933093
15°	593079
20°	234987
25°	78488
30°	36512
35°	16543
40°	6355
45°	3101
50°	887
55°	421
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3101 cd/sqm

TEST NUMBER: P1263025

CATALOG NUMBER: P3A17R309727DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.9	32.6
10°-20°	688.4	50.6
20°-30°	177.5	13.0
30°-40°	41.7	3.1
40°-50°	8.1	0.6
50°-60°	0.9	0.1
60°-70°	0.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1309.8	96.2
0°-40°	1351.5	99.3
0°-60°	1360.5	100.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4938	
5°	4855	444
15°	2612	688
25°	324	177
35°	62	42
45°	10	8
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1263025

CATALOG NUMBER: P3A17R309727DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4938.2
1°	4934.5
2°	4922.9
3°	4909.7
4°	4890.1
5°	4855.3
6°	4798.7
7°	4704.7
8°	4576.3
9°	4408.8
10°	4190.6
11°	3931.2
12°	3648.0
13°	3322.1
14°	2980.8
15°	2612.5
16°	2251.7
17°	1904.1
18°	1570.7
19°	1264.8
20°	1007.0
21°	792.5
22°	623.4
23°	493.5
24°	395.2
25°	324.4
26°	270.5
27°	229.8
28°	198.6
29°	170.1
30°	144.2
32.5°	90.9
35°	61.8
37.5°	38.6
40°	22.2
42.5°	14.8
45°	10.0
47.5°	5.8
50°	2.6
52.5°	1.1
55°	1.1
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5



TEST NUMBER: P1263025

CATALOG NUMBER: P3A17R309727DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)