

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: P1269406

Luminaire Tested: P3A09R309740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269406
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: P3A09R309740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

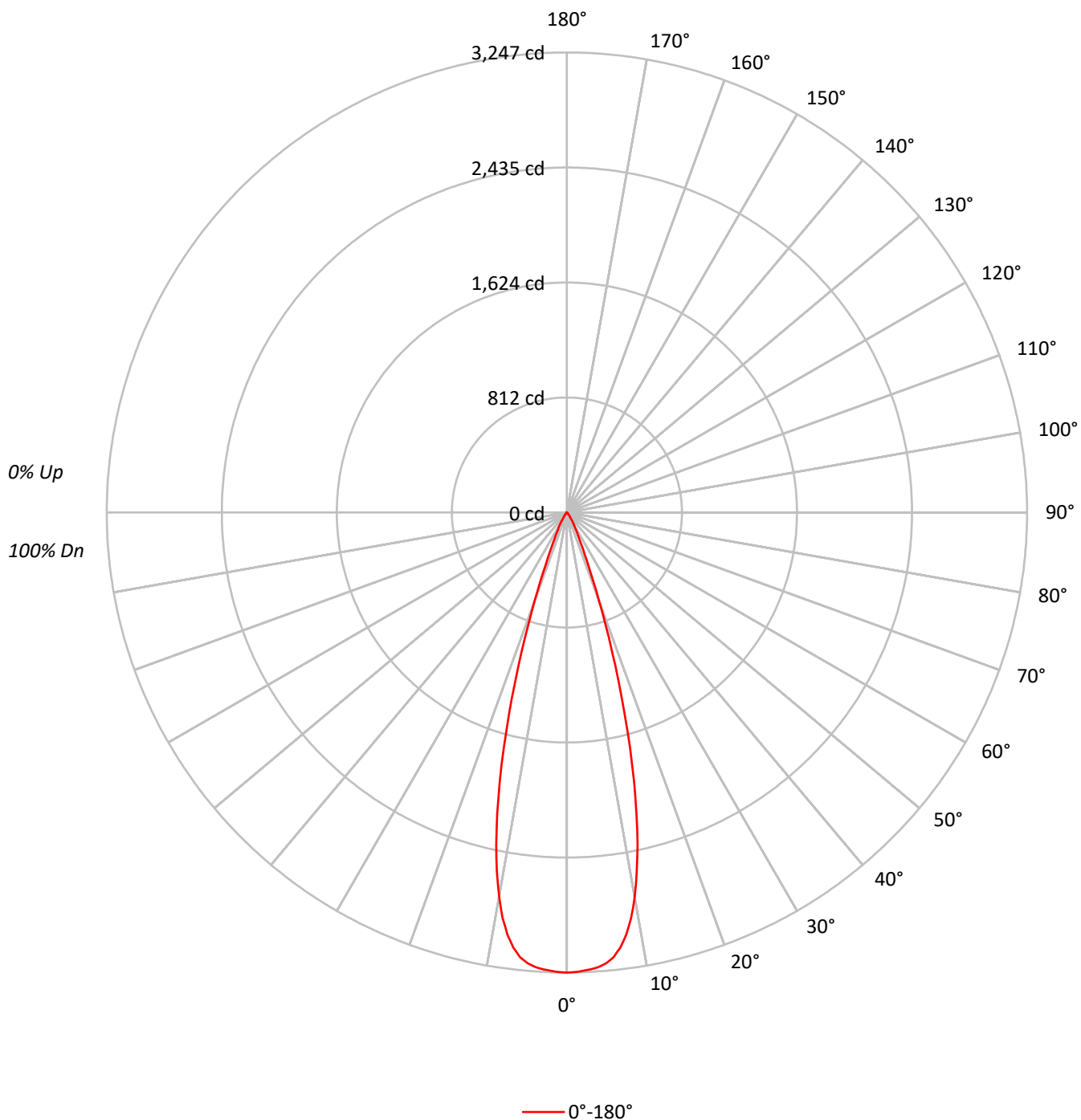
Lumens per Lamp: N/A
Luminaire Lumens: 894.9 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1269406

CATALOG NUMBER: P3A09R309740DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1269406

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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	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	712092
5°	702794
10°	613616
15°	390014
20°	154527
25°	51608
30°	24004
35°	10868
40°	4179
45°	2047
50°	580
55°	268
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2047 cd/sqm

TEST NUMBER: P1269406

CATALOG NUMBER: P3A09R309740DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	32.6
10°-20°	452.7	50.6
20°-30°	116.7	13.0
30°-40°	27.4	3.1
40°-50°	5.3	0.6
50°-60°	0.6	0.1
60°-70°	0.3	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°	861.3	96.2
0°-40°	888.7	99.3
0°-60°	894.7	100.0
0°-90°	894.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3247	
5°	3193	292
15°	1718	453
25°	213	117
35°	41	27
45°	7	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1269406

CATALOG NUMBER: P3A09R309740DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3247.4
1°	3245.0
2°	3237.3
3°	3228.6
4°	3215.8
5°	3192.8
6°	3155.7
7°	3093.8
8°	3009.4
9°	2899.3
10°	2755.8
11°	2585.2
12°	2399.0
13°	2184.6
14°	1960.2
15°	1718.0
16°	1480.7
17°	1252.1
18°	1032.9
19°	831.7
20°	662.2
21°	521.1
22°	410.0
23°	324.5
24°	259.9
25°	213.3
26°	177.9
27°	151.1
28°	130.6
29°	111.9
30°	94.8
32.5°	59.8
35°	40.6
37.5°	25.4
40°	14.6
42.5°	9.7
45°	6.6
47.5°	3.8
50°	1.7
52.5°	0.7
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3



TEST NUMBER: P1269406

CATALOG NUMBER: P3A09R309740DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
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)