

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: P1249017

Luminaire Tested: P3AS09R609027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R609027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

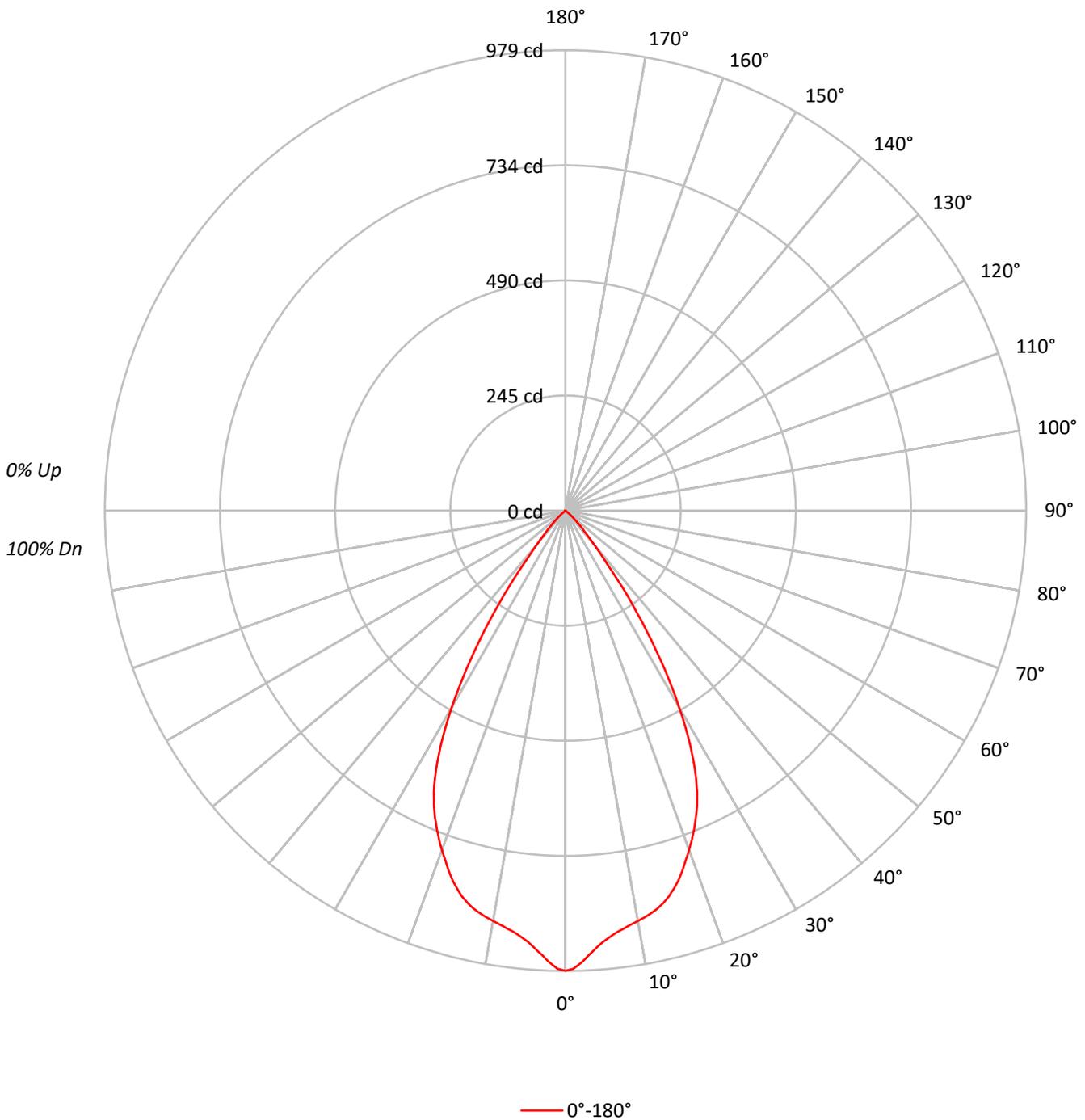
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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	100	100
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82	82	82	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
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	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	214588
5°	202575
10°	197302
15°	192805
20°	179262
25°	160243
30°	122399
35°	70671
40°	27423
45°	11443
50°	2524
55°	382
60°	307
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11443 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	10.6
10°-20°	236.6	28.9
20°-30°	296.3	36.2
30°-40°	165.6	20.2
40°-50°	31.5	3.8
50°-60°	1.6	0.2
60°-70°	0.3	0.0
70°-80°	0.1	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°	619.8	75.7
0°-40°	785.4	95.9
0°-60°	818.5	99.9
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	979	
5°	920	87
15°	849	237
25°	662	296
35°	264	166
45°	37	31
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	978.6
1°	974.6
2°	961.9
3°	946.8
4°	932.7
5°	920.3
6°	910.9
7°	902.9
8°	896.9
9°	891.2
10°	886.1
11°	881.1
12°	875.4
13°	868.4
14°	860.0
15°	849.3
16°	836.2
17°	821.5
18°	804.7
19°	785.6
20°	768.2
21°	749.4
22°	730.0
23°	709.6
24°	687.1
25°	662.3
26°	633.2
27°	600.7
28°	564.2
29°	525.3
30°	483.4
31°	441.2
32°	397.7
32.5°	373.9
33°	352.4
34°	307.9
35°	264.0
36°	224.5
37°	182.6
37.5°	163.5
38°	144.7
39°	116.6
40°	95.8
42.5°	58.3
45°	36.9



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	20.4
50°	7.4
52.5°	1.7
55°	1.0
57.5°	0.7
60°	0.7
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
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)