

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: P1256650

Luminaire Tested: P3AS05R409040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

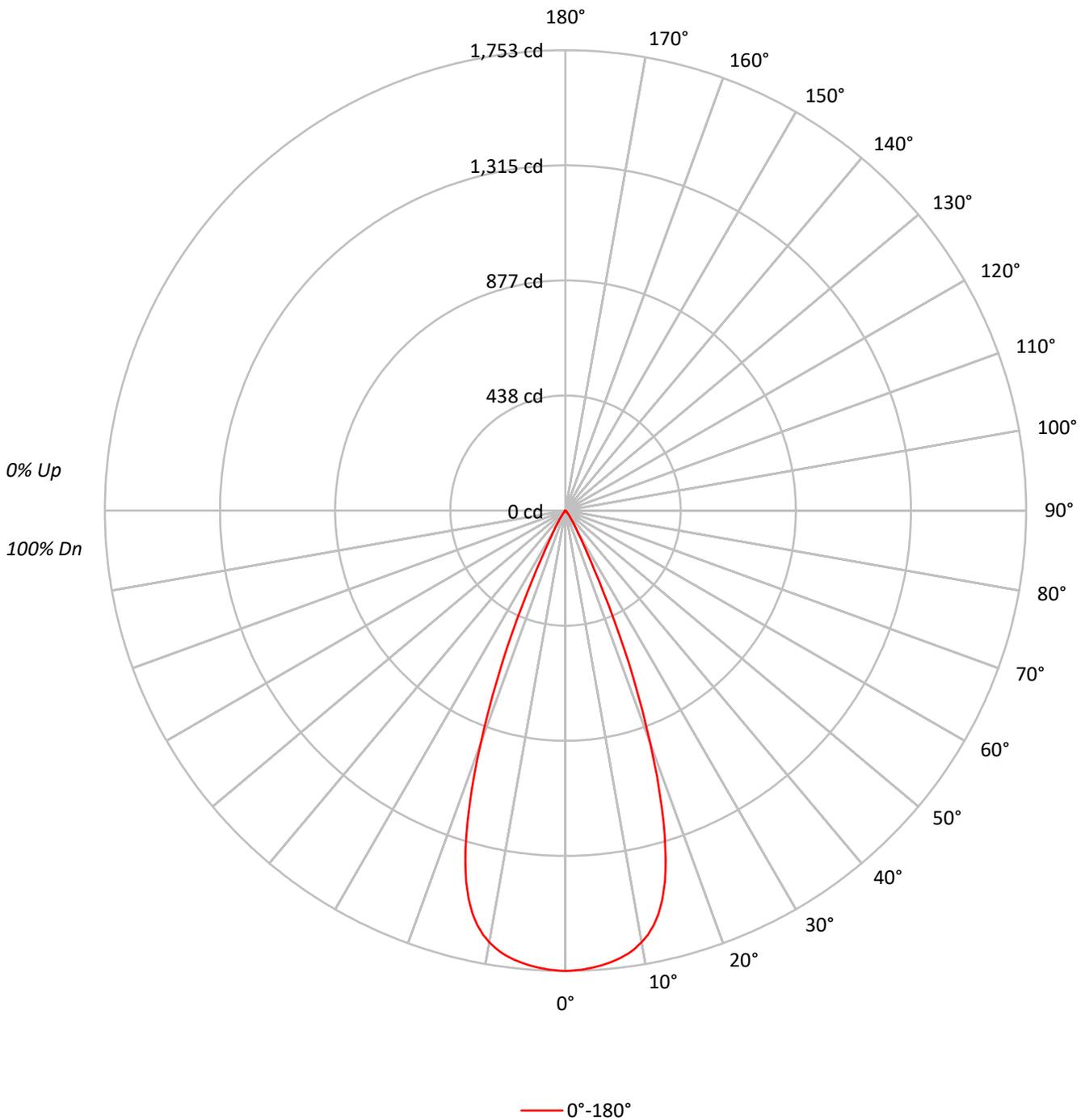
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 754.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1256650
CATALOG NUMBER: P3AS05R409040DE010 E3D1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1256650
 CATALOG NUMBER: P3AS05R409040DE010 E3D1WMH

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73		
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70		
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	384333
5°	381553
10°	371581
15°	331920
20°	220076
25°	82456
30°	22054
35°	8620
40°	3092
45°	1489
50°	443
55°	191
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1489 cd/sqm



TEST NUMBER: P1256650
 CATALOG NUMBER: P3AS05R409040DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	21.7
10°-20°	387.4	51.4
20°-30°	175.7	23.3
30°-40°	22.8	3.0
40°-50°	3.9	0.5
50°-60°	0.5	0.1
60°-70°	0.2	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°	726.7	96.4
0°-40°	749.4	99.4
0°-60°	753.8	100.0
0°-90°	754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1753	
5°	1733	164
15°	1462	387
25°	341	176
35°	32	23
45°	5	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1256650
CATALOG NUMBER: P3AS05R409040DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1752.7
1°	1751.6
2°	1749.0
3°	1745.0
4°	1740.0
5°	1733.4
6°	1725.8
7°	1716.3
8°	1704.6
9°	1688.8
10°	1668.8
11°	1645.3
12°	1613.8
13°	1575.0
14°	1524.4
15°	1462.1
16°	1382.6
17°	1292.1
18°	1183.3
19°	1068.5
20°	943.1
21°	817.7
22°	694.2
23°	571.2
24°	450.3
25°	340.8
26°	252.3
27°	184.8
28°	138.8
29°	108.0
30°	87.1
31°	72.1
32°	60.2
32.5°	54.9
33°	49.6
34°	40.4
35°	32.2
36°	25.3
37°	20.1
37.5°	17.9
38°	15.8
39°	13.2
40°	10.8
42.5°	7.1
45°	4.8

TEST NUMBER: P1256650
CATALOG NUMBER: P3AS05R409040DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.9
50°	1.3
52.5°	0.5
55°	0.5
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
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)