

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: P1266709

Luminaire Tested: P3A05R409735DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266709
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: P3A05R409735DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

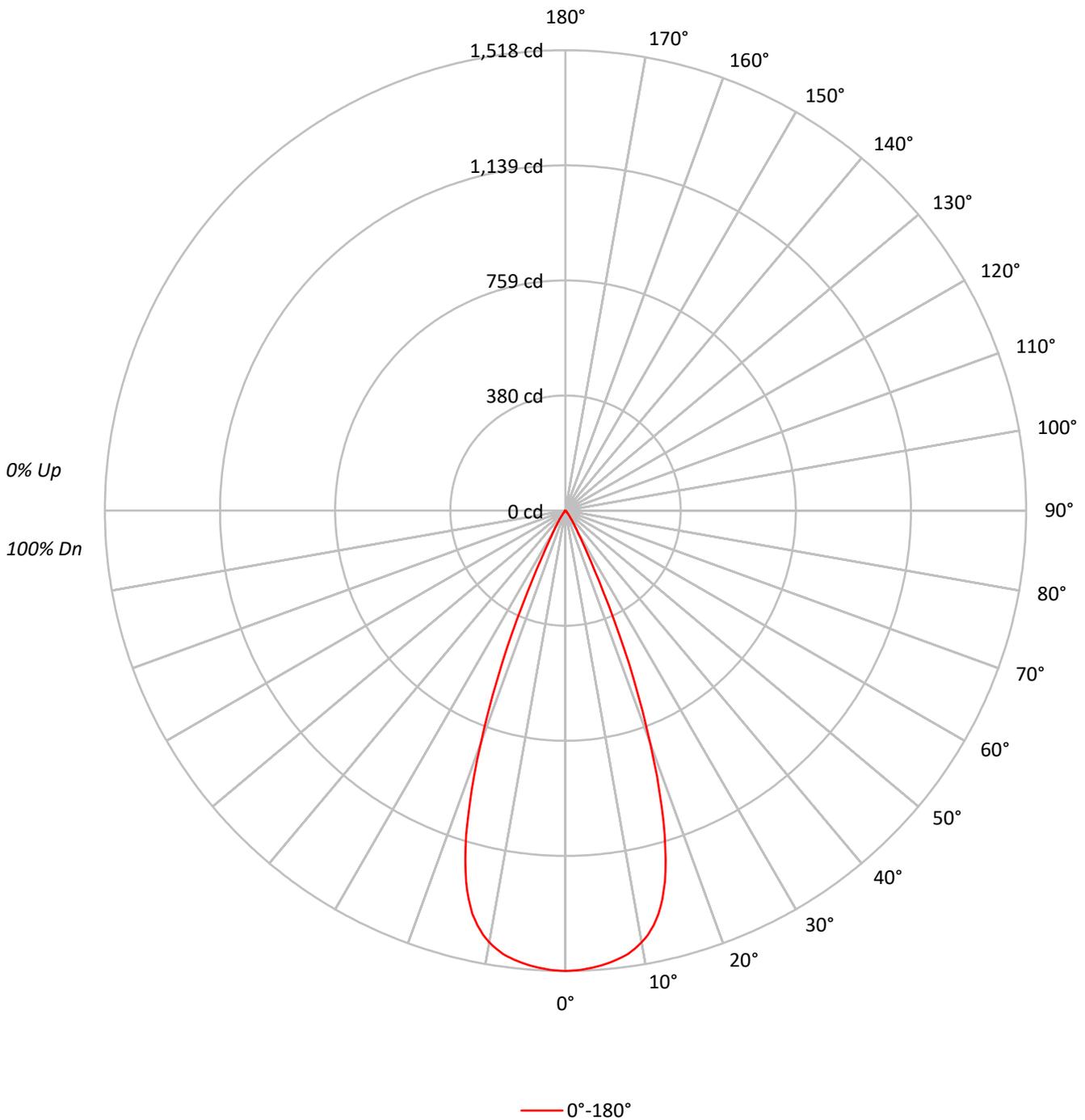
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 90.7 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 (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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CATALOG NUMBER: P3A05R409735DE010 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			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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	88	88	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85	85	85	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82	82	82	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79	79	79	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76	76	76	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73	73	73	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70	70	70	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	75	71	69	68	68	68	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	332846
5°	330442
10°	321793
15°	287448
20°	190603
25°	71399
30°	19092
35°	7469
40°	2691
45°	1271
50°	375
55°	191
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1271 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	21.7
10°-20°	335.5	51.4
20°-30°	152.1	23.3
30°-40°	19.7	3.0
40°-50°	3.4	0.5
50°-60°	0.4	0.1
60°-70°	0.1	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°	629.3	96.4
0°-40°	649.0	99.4
0°-60°	652.8	100.0
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1518	
5°	1501	142
15°	1266	336
25°	295	152
35°	28	20
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1517.9
1°	1517.0
2°	1514.7
3°	1511.3
4°	1506.9
5°	1501.2
6°	1494.6
7°	1486.4
8°	1476.3
9°	1462.6
10°	1445.2
11°	1424.9
12°	1397.7
13°	1364.1
14°	1320.2
15°	1266.2
16°	1197.4
17°	1119.0
18°	1024.8
19°	925.4
20°	816.8
21°	708.2
22°	601.2
23°	494.7
24°	390.0
25°	295.1
26°	218.5
27°	160.0
28°	120.2
29°	93.5
30°	75.4
31°	62.4
32°	52.1
32.5°	47.5
33°	43.0
34°	35.0
35°	27.9
36°	21.9
37°	17.4
37.5°	15.5
38°	13.7
39°	11.4
40°	9.4
42.5°	6.2
45°	4.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.5
50°	1.1
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
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)