

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: P1269028

Luminaire Tested: P3A05R309740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269028
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: P3A05R309740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

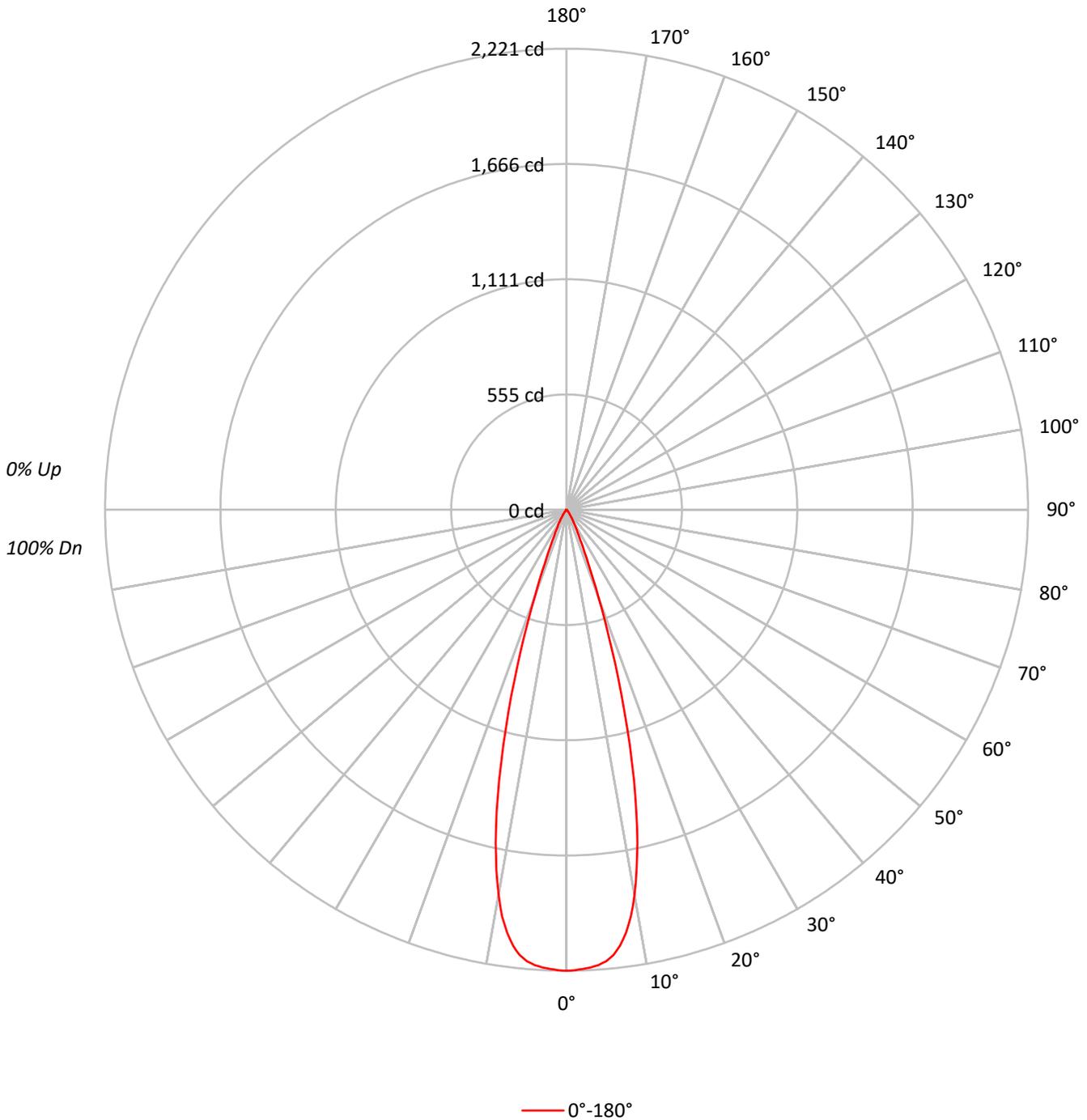
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 85.0 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): 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	486935
5°	480584
10°	419587
15°	266698
20°	105663
25°	35300
30°	16433
35°	7442
40°	2863
45°	1395
50°	409
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: 1395 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	32.6
10°-20°	309.5	50.6
20°-30°	79.8	13.0
30°-40°	18.8	3.1
40°-50°	3.7	0.6
50°-60°	0.4	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°	589.0	96.2
0°-40°	607.7	99.3
0°-60°	611.8	100.0
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2221	
5°	2183	200
15°	1175	310
25°	146	80
35°	28	19
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2220.6
1°	2218.9
2°	2213.7
3°	2207.7
4°	2198.9
5°	2183.3
6°	2157.8
7°	2115.6
8°	2057.8
9°	1982.5
10°	1884.4
11°	1767.8
12°	1640.4
13°	1493.8
14°	1340.4
15°	1174.8
16°	1012.5
17°	856.2
18°	706.3
19°	568.7
20°	452.8
21°	356.4
22°	280.3
23°	221.9
24°	177.7
25°	145.9
26°	121.6
27°	103.3
28°	89.3
29°	76.5
30°	64.9
32.5°	40.9
35°	27.8
37.5°	17.3
40°	10.0
42.5°	6.7
45°	4.5
47.5°	2.6
50°	1.2
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.2
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)