

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: P1255858

Luminaire Tested: P3A24R509035D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A24R509035D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

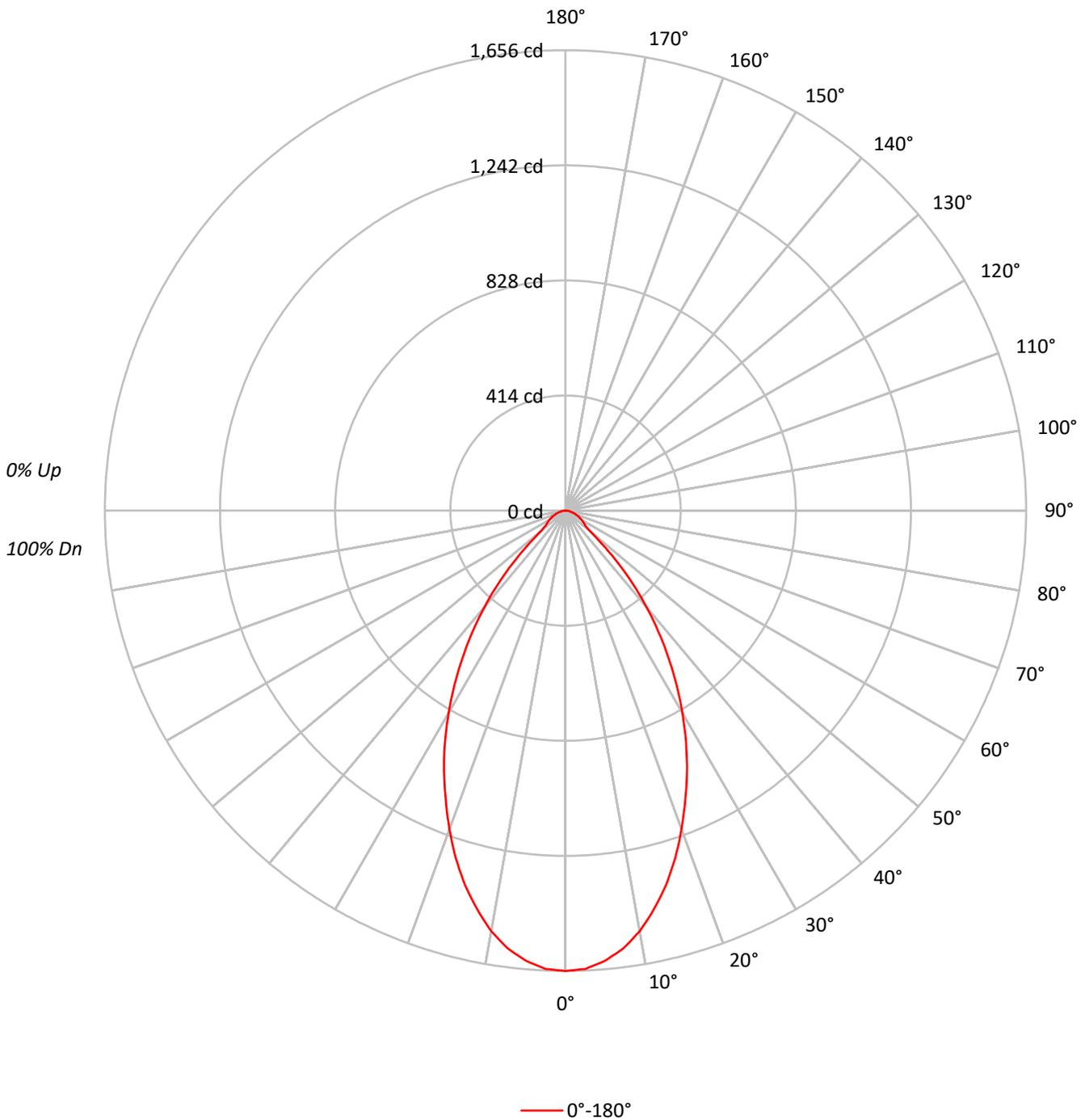
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				
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
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53			53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	363151
5°	357802
10°	341967
15°	316687
20°	284598
25°	250176
30°	212767
35°	172528
40°	129614
45°	83482
50°	39675
55°	31196
60°	29515
65°	27500
70°	24876
75°	22452
80°	20583
85°	20631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83482 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	8.5
10°-20°	388.9	21.8
20°-30°	472.6	26.4
30°-40°	400.8	22.4
40°-50°	208.2	11.7
50°-60°	75.1	4.2
60°-70°	51.9	2.9
70°-80°	28.2	1.6
80°-90°	8.9	0.5
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°	1013.9	56.7
0°-40°	1414.6	79.2
0°-60°	1697.9	95.0
0°-90°	1787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1656	
5°	1626	152
15°	1395	389
25°	1034	473
35°	644	401
45°	269	208
55°	82	75
65°	53	52
75°	26	28
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1656.1
2.5°	1650.0
5°	1625.5
7.5°	1588.8
10°	1535.8
12.5°	1468.5
15°	1395.0
17.5°	1311.4
20°	1219.6
22.5°	1125.8
25°	1034.0
27.5°	938.2
30°	840.3
32.5°	742.4
35°	644.5
37.5°	548.6
40°	452.8
42.5°	361.0
45°	269.2
47.5°	179.5
50°	116.3
52.5°	89.7
55°	81.6
57.5°	73.4
60°	67.3
62.5°	59.1
65°	53.0
67.5°	44.9
70°	38.8
72.5°	32.6
75°	26.5
77.5°	20.4
80°	16.3
82.5°	12.2
85°	8.2
87.5°	4.1
90°	0.0

(END OF REPORT)