

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: P1248589

Luminaire Tested: P3AS05R509027DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509027DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

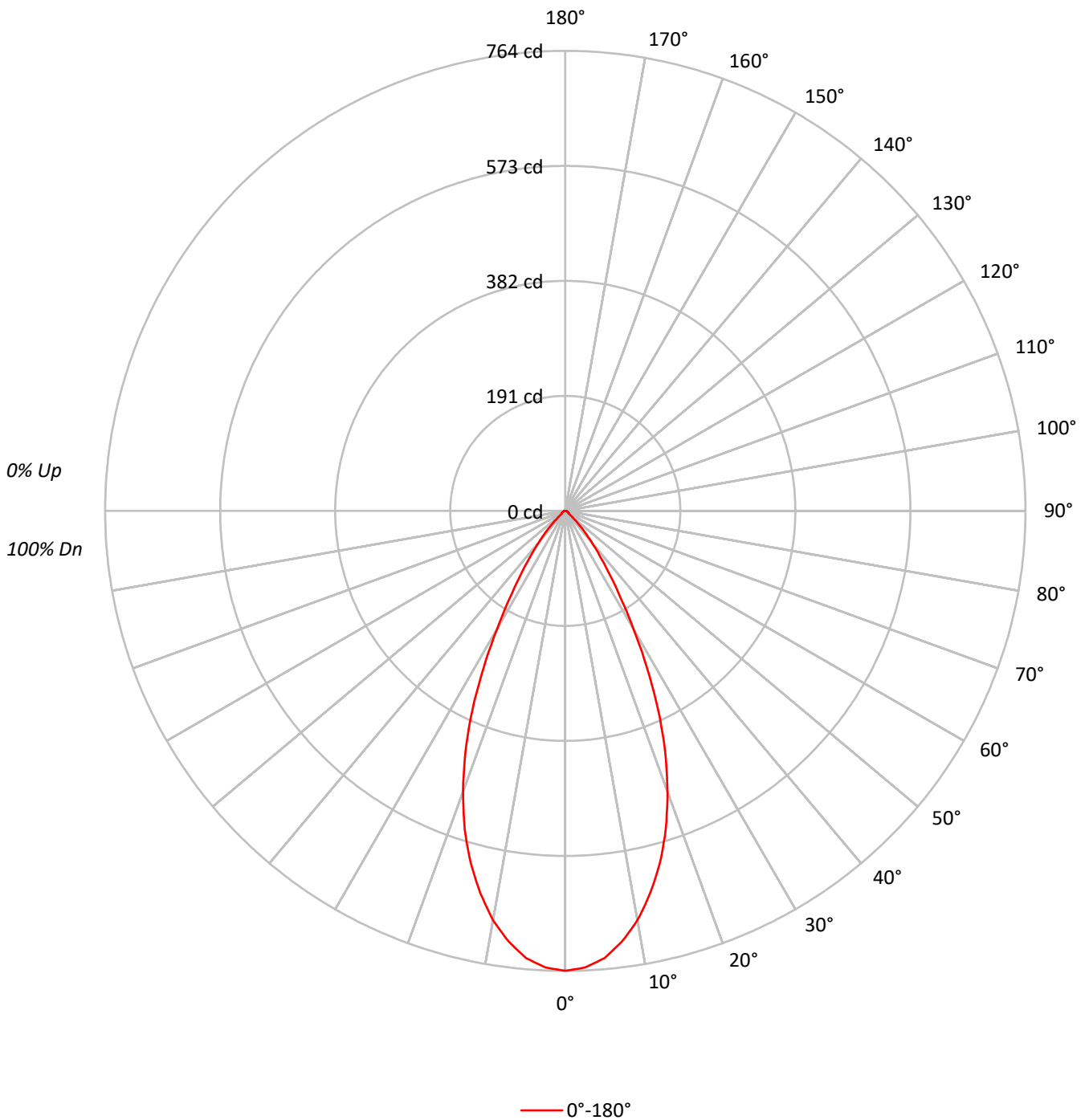
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
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				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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87				87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82				82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76				76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72				72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67				67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64				64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60				60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57				57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54				54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167465
5°	164098
10°	153705
15°	137594
20°	115790
25°	88384
30°	57427
35°	34050
40°	19665
45°	9861
50°	3684
55°	2867
60°	2675
65°	2439
70°	2372
75°	2372
80°	2399
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	13.2
10°-20°	167.6	31.9
20°-30°	164.4	31.3
30°-40°	82.8	15.7
40°-50°	26.2	5.0
50°-60°	6.8	1.3
60°-70°	4.8	0.9
70°-80°	3.0	0.6
80°-90°	1.0	0.2
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°	401.4	76.3
0°-40°	484.3	92.1
0°-60°	517.2	98.3
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	764	
5°	746	69
15°	606	168
25°	365	164
35°	127	83
45°	32	26
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	763.7
2.5°	759.0
5°	745.5
7.5°	721.2
10°	690.3
12.5°	650.5
15°	606.1
17.5°	554.7
20°	496.2
22.5°	433.1
25°	365.3
27.5°	293.2
30°	226.8
32.5°	170.7
35°	127.2
37.5°	94.0
40°	68.7
42.5°	48.6
45°	31.8
47.5°	18.2
50°	10.8
52.5°	8.0
55°	7.5
57.5°	6.5
60°	6.1
62.5°	5.6
65°	4.7
67.5°	4.2
70°	3.7
72.5°	3.3
75°	2.8
77.5°	2.3
80°	1.9
82.5°	1.4
85°	0.9
87.5°	0.5
90°	0.0

(END OF REPORT)