

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: P1273447

Luminaire Tested: P3A05R509830DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273447
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: P3A05R509830DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

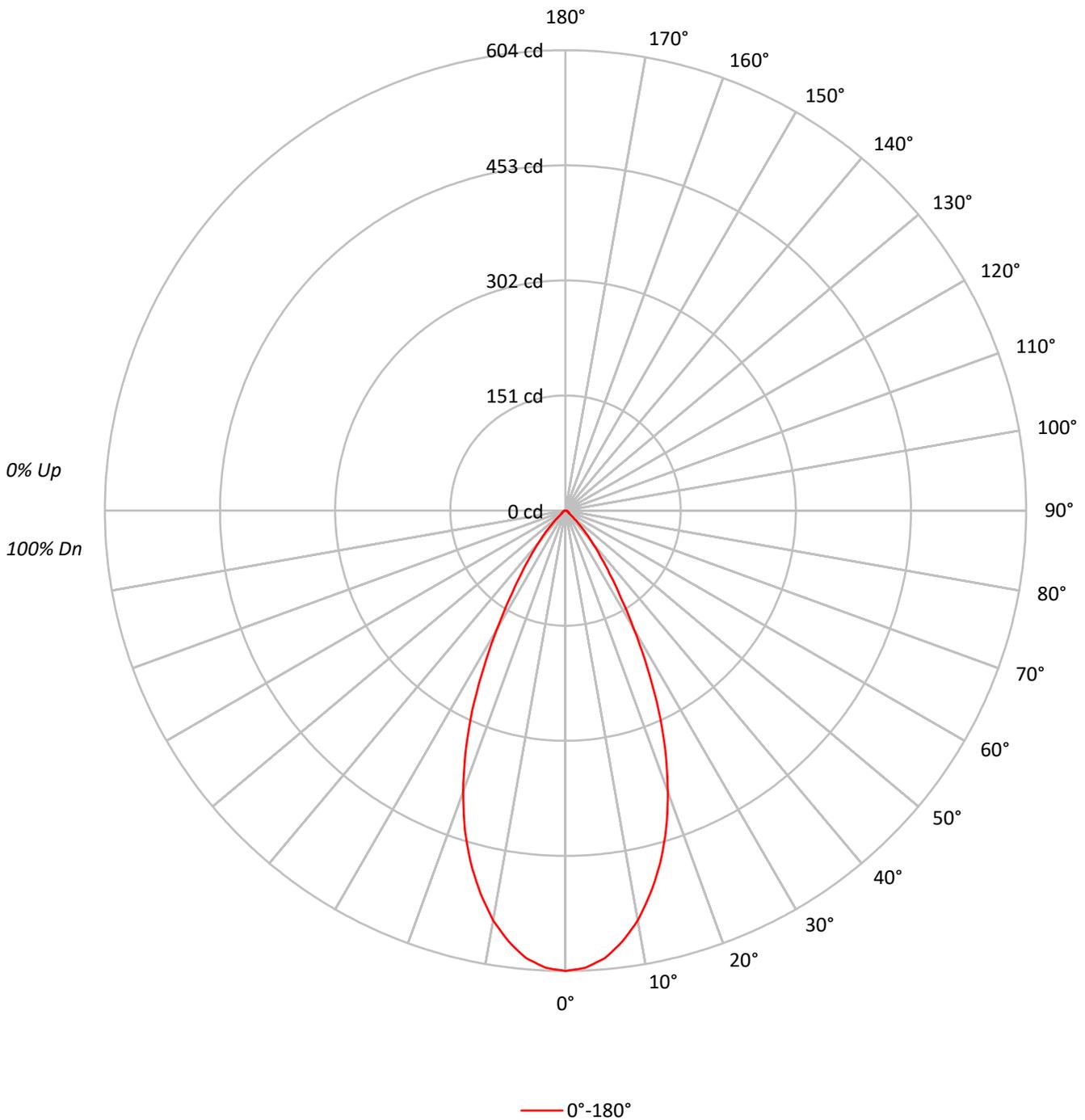
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 57.8 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°	132446
5°	129782
10°	121552
15°	108831
20°	91568
25°	69899
30°	45425
35°	26930
40°	15572
45°	7815
50°	2900
55°	2256
60°	2105
65°	1920
70°	1923
75°	1864
80°	1894
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7815 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	13.2
10°-20°	132.6	31.9
20°-30°	130.1	31.3
30°-40°	65.5	15.7
40°-50°	20.7	5.0
50°-60°	5.4	1.3
60°-70°	3.8	0.9
70°-80°	2.3	0.6
80°-90°	0.8	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°	317.5	76.3
0°-40°	383.0	92.1
0°-60°	409.1	98.3
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	604	
5°	590	55
15°	479	133
25°	289	130
35°	101	66
45°	25	21
55°	6	5
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	604.0
2.5°	600.3
5°	589.6
7.5°	570.3
10°	545.9
12.5°	514.5
15°	479.4
17.5°	438.7
20°	392.4
22.5°	342.5
25°	288.9
27.5°	231.9
30°	179.4
32.5°	135.0
35°	100.6
37.5°	74.3
40°	54.4
42.5°	38.5
45°	25.2
47.5°	14.4
50°	8.5
52.5°	6.3
55°	5.9
57.5°	5.2
60°	4.8
62.5°	4.4
65°	3.7
67.5°	3.3
70°	3.0
72.5°	2.6
75°	2.2
77.5°	1.8
80°	1.5
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)