

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: P1268281

Luminaire Tested: P3A20R509735D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268281
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: P3A20R509735D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

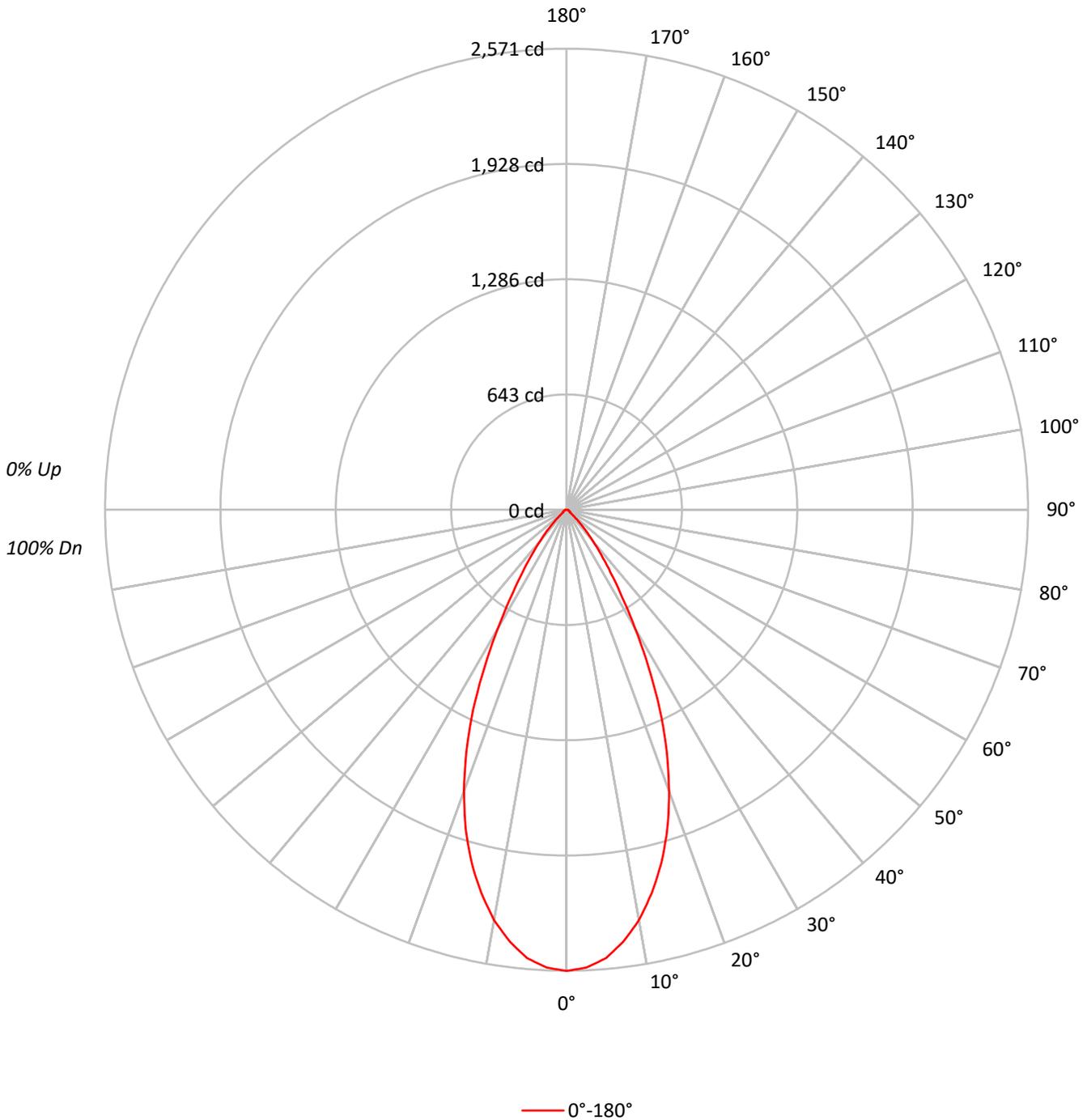
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1771.0 lumens
Efficiency: N/A
Efficacy: 61.5 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): 28.8
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			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76			
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72			
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67			
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64			
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60			
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57			
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	563858
5°	552497
10°	517514
15°	463272
20°	389864
25°	297549
30°	193372
35°	114653
40°	66267
45°	33213
50°	12349
55°	9634
60°	8991
65°	8146
70°	8078
75°	7964
80°	7956
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33213 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	13.2
10°-20°	564.3	31.9
20°-30°	553.7	31.3
30°-40°	278.9	15.7
40°-50°	88.1	5.0
50°-60°	22.8	1.3
60°-70°	16.2	0.9
70°-80°	10.0	0.6
80°-90°	3.4	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°	1351.5	76.3
0°-40°	1630.5	92.1
0°-60°	1741.4	98.3
0°-90°	1771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2571	
5°	2510	234
15°	2041	564
25°	1230	554
35°	428	279
45°	107	88
55°	25	23
65°	16	16
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2571.4
2.5°	2555.6
5°	2510.0
7.5°	2428.1
10°	2324.2
12.5°	2190.3
15°	2040.7
17.5°	1867.5
20°	1670.7
22.5°	1458.1
25°	1229.8
27.5°	987.3
30°	763.7
32.5°	574.7
35°	428.3
37.5°	316.5
40°	231.5
42.5°	163.8
45°	107.1
47.5°	61.4
50°	36.2
52.5°	26.8
55°	25.2
57.5°	22.0
60°	20.5
62.5°	18.9
65°	15.7
67.5°	14.2
70°	12.6
72.5°	11.0
75°	9.4
77.5°	7.9
80°	6.3
82.5°	4.7
85°	3.1
87.5°	1.6
90°	0.0

(END OF REPORT)