

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: P1265728

Luminaire Tested: P3A20R209730D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209730D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

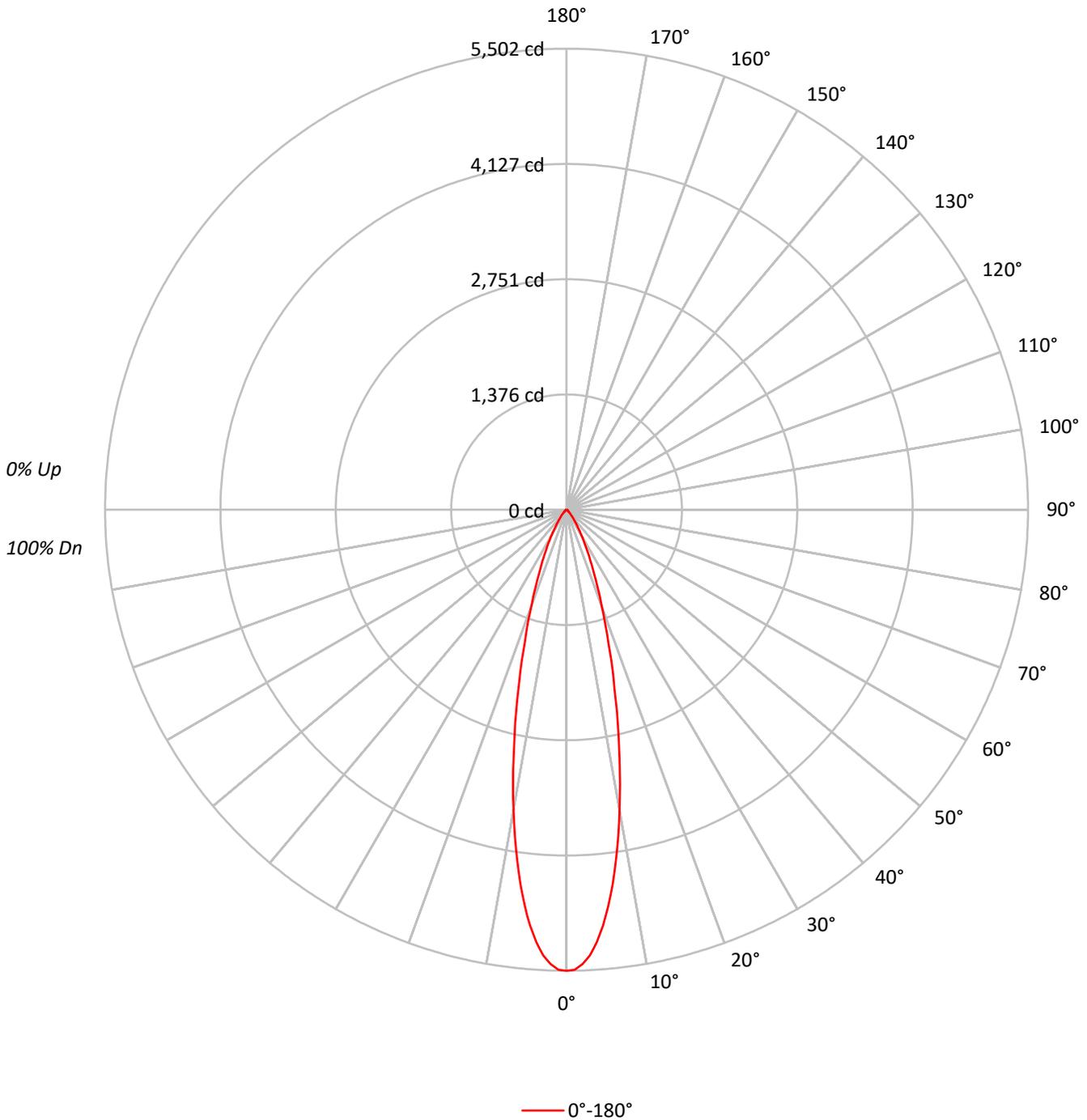
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1568.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92		91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88		87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84		83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81		79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77		76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75		73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72		71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69		68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67		66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1206395
5°	1096629
10°	810495
15°	501365
20°	286325
25°	163461
30°	91660
35°	49871
40°	27308
45°	15040
50°	8801
55°	6384
60°	5964
65°	5500
70°	4873
75°	5168
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15040 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.4	27.5
10°-20°	615.9	39.3
20°-30°	321.5	20.5
30°-40°	124.3	7.9
40°-50°	40.3	2.6
50°-60°	15.9	1.0
60°-70°	10.5	0.7
70°-80°	6.2	0.4
80°-90°	2.0	0.1
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°	1368.8	87.3
0°-40°	1493.1	95.2
0°-60°	1549.3	98.8
0°-90°	1568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5502	
5°	4982	431
15°	2208	616
25°	676	321
35°	186	124
45°	48	40
55°	17	16
65°	11	10
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5501.6
1°	5491.0
2°	5425.9
3°	5325.9
4°	5171.4
5°	4982.0
6°	4757.9
7°	4509.4
8°	4221.6
9°	3941.4
10°	3640.0
12.5°	2893.2
15°	2208.5
17.5°	1652.6
20°	1227.0
22.5°	908.9
25°	675.6
27.5°	498.4
30°	362.0
32.5°	262.1
35°	186.3
37.5°	134.8
40°	95.4
42.5°	68.2
45°	48.5
47.5°	34.8
50°	25.8
52.5°	19.7
55°	16.7
57.5°	15.1
60°	13.6
62.5°	12.1
65°	10.6
67.5°	9.1
70°	7.6
72.5°	7.6
75°	6.1
77.5°	4.5
80°	3.0
82.5°	3.0
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)