

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: P1247615

Luminaire Tested: P3A20R309024D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309024D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

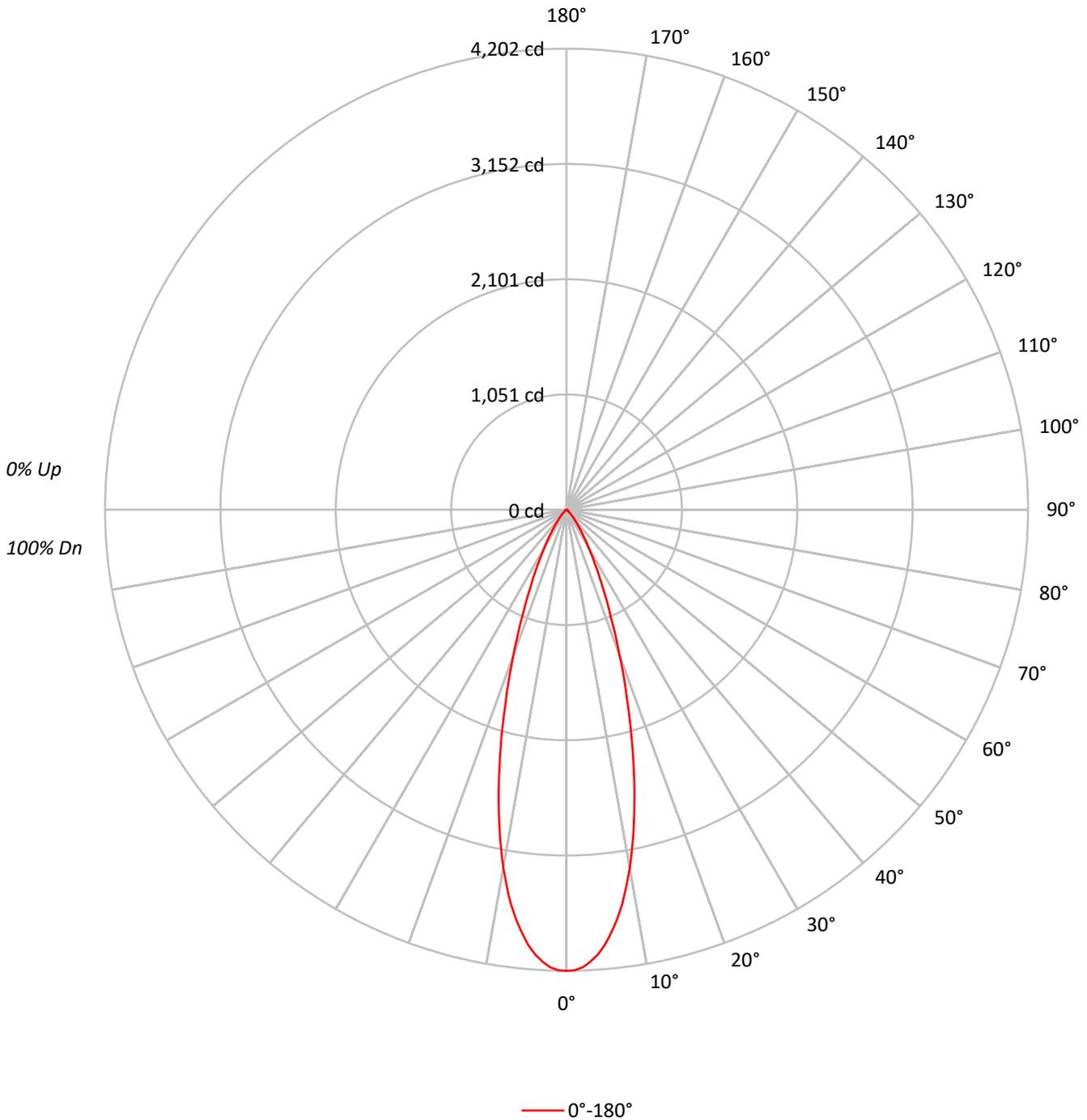
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1579.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
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	99	98	97	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	93	92	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	91	89	87	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	88	85	83	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	85	82	79	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	81	78	76	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75	79	75	73	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	71	76	72	70	73
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	73	70	67	71
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	71	67	65	70
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	63	71	67	65	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	921395
5°	876973
10°	737662
15°	531967
20°	329985
25°	187656
30°	104244
35°	56697
40°	29885
45°	16188
50°	8665
55°	5696
60°	5219
65°	5396
70°	4809
75°	3813
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.7	22.7
10°-20°	637.7	40.4
20°-30°	368.6	23.3
30°-40°	139.9	8.9
40°-50°	42.9	2.7
50°-60°	14.4	0.9
60°-70°	9.8	0.6
70°-80°	5.3	0.3
80°-90°	1.6	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°	1365.0	86.4
0°-40°	1504.9	95.3
0°-60°	1562.3	98.9
0°-90°	1579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4202	
5°	3984	359
15°	2343	638
25°	776	369
35°	212	140
45°	52	43
55°	15	14
65°	10	10
75°	4	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4201.9
1°	4198.9
2°	4173.6
3°	4125.8
4°	4066.2
5°	3984.1
6°	3879.7
7°	3763.4
8°	3633.6
9°	3478.5
10°	3312.9
11°	3133.9
12°	2944.5
13°	2746.1
14°	2544.7
15°	2343.3
17.5°	1848.1
20°	1414.1
22.5°	1048.6
25°	775.6
27.5°	563.8
30°	411.7
32.5°	296.8
35°	211.8
37.5°	147.7
40°	104.4
42.5°	73.1
45°	52.2
47.5°	35.8
50°	25.4
52.5°	17.9
55°	14.9
57.5°	13.4
60°	11.9
62.5°	10.4
65°	10.4
67.5°	8.9
70°	7.5
72.5°	6.0
75°	4.5
77.5°	4.5
80°	3.0
82.5°	3.0
85°	1.5
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)