

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: P1268081

Luminaire Tested: P3A20R159735D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159735D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

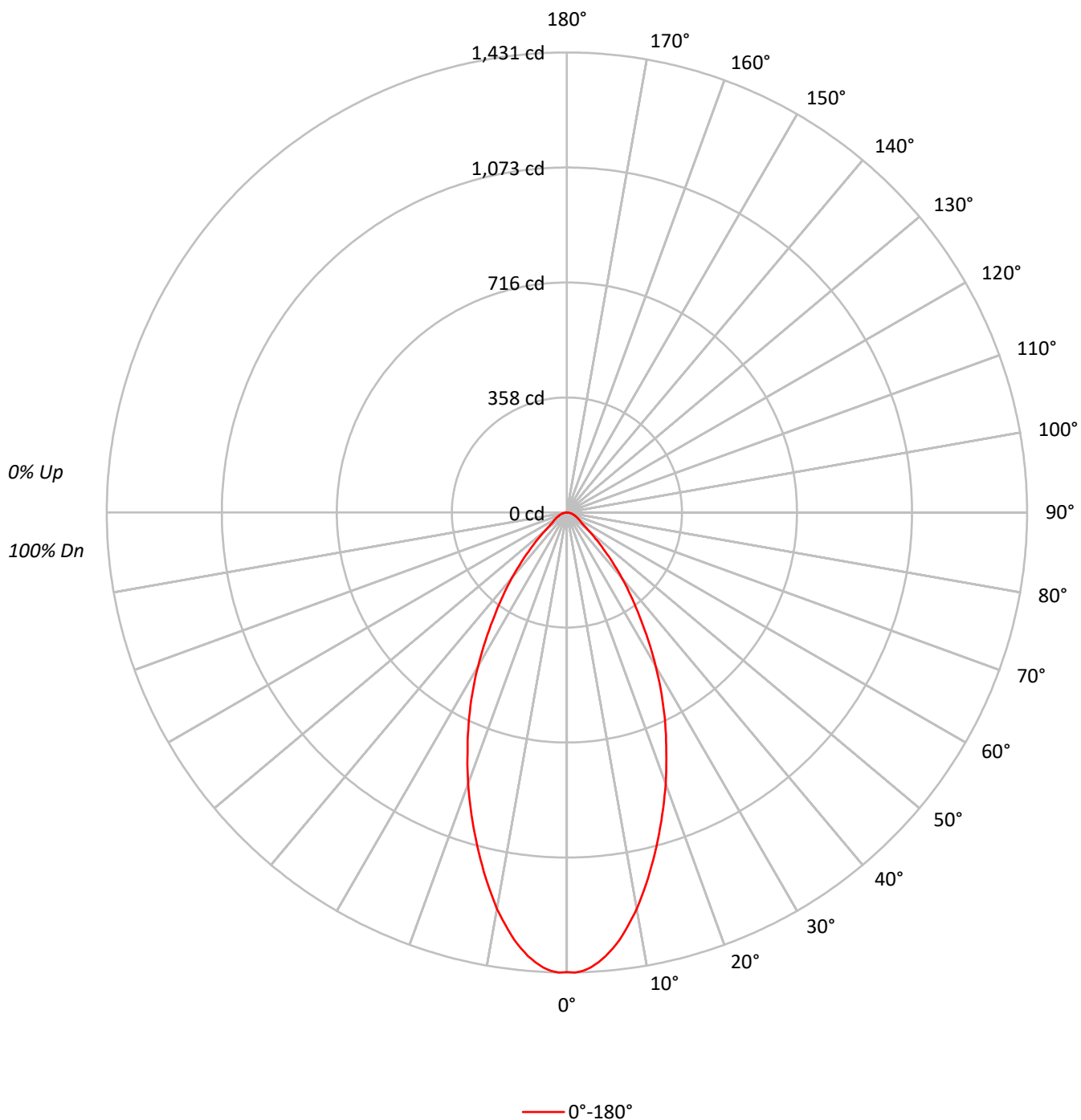
Lumens per Lamp: N/A
Luminaire Lumens: 1243.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		74
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		69
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		65
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313528
5°	305018
10°	278752
15°	244156
20°	209458
25°	174881
30°	139946
35°	104962
40°	76171
45°	49804
50°	31146
55°	21065
60°	18639
65°	17174
70°	16157
75°	14657
80°	13891
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	10.3
10°-20°	299.7	24.1
20°-30°	330.2	26.6
30°-40°	247.3	19.9
40°-50°	128.2	10.3
50°-60°	53.1	4.3
60°-70°	32.9	2.6
70°-80°	18.5	1.5
80°-90°	5.4	0.4
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°	757.7	61.0
0°-40°	1005.0	80.9
0°-60°	1186.3	95.4
0°-90°	1243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1430	
5°	1386	128
15°	1076	300
25°	723	330
35°	392	247
45°	161	128
55°	55	53
65°	33	33
75°	17	18
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1429.8
1°	1431.4
2°	1426.7
3°	1417.2
4°	1403.0
5°	1385.7
6°	1363.7
7°	1340.1
8°	1311.7
9°	1281.8
10°	1251.9
12.5°	1165.3
15°	1075.5
17.5°	985.8
20°	897.6
22.5°	807.8
25°	722.8
27.5°	637.7
30°	552.7
32.5°	469.3
35°	392.1
37.5°	326.0
40°	266.1
42.5°	211.0
45°	160.6
47.5°	121.3
50°	91.3
52.5°	67.7
55°	55.1
57.5°	48.8
60°	42.5
62.5°	37.8
65°	33.1
67.5°	28.3
70°	25.2
72.5°	20.5
75°	17.3
77.5°	14.2
80°	11.0
82.5°	7.9
85°	4.7
87.5°	1.6
90°	0.0

(END OF REPORT)