

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: P1265696

Luminaire Tested: P3A20R159730D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159730D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

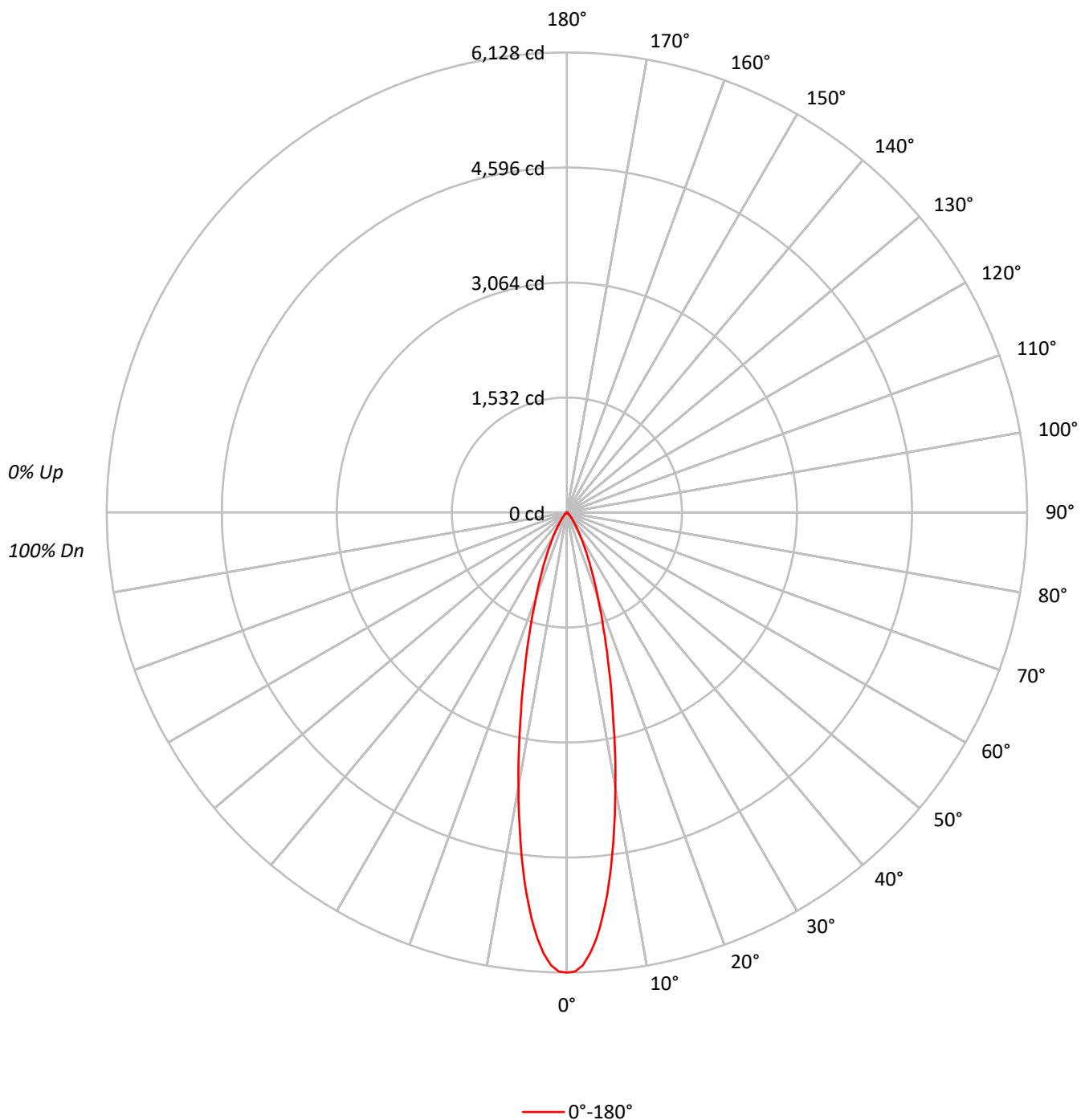
Lumens per Lamp: N/A
Luminaire Lumens: 1573.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1343752
5°	1192777
10°	828330
15°	489855
20°	278998
25°	159493
30°	88241
35°	47060
40°	26020
45°	14110
50°	8801
55°	6958
60°	5964
65°	5500
70°	4873
75°	5168
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.8	29.3
10°-20°	608.1	38.7
20°-30°	313.1	19.9
30°-40°	117.6	7.5
40°-50°	38.5	2.4
50°-60°	16.6	1.1
60°-70°	10.5	0.7
70°-80°	6.2	0.4
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°	1382.1	87.9
0°-40°	1499.6	95.3
0°-60°	1554.7	98.8
0°-90°	1573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1573.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6128	
5°	5419	461
15°	2158	608
25°	659	313
35°	176	118
45°	46	38
55°	18	17
65°	11	10
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6128.0
1°	6115.9
2°	6035.6
3°	5882.5
4°	5681.0
5°	5418.8
6°	5121.8
7°	4796.0
8°	4433.9
9°	4076.3
10°	3720.1
12.5°	2862.5
15°	2157.8
17.5°	1615.3
20°	1195.6
22.5°	892.5
25°	659.2
27.5°	480.4
30°	348.5
32.5°	247.0
35°	175.8
37.5°	125.8
40°	90.9
42.5°	65.2
45°	45.5
47.5°	33.3
50°	25.8
52.5°	21.2
55°	18.2
57.5°	15.2
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°	0.0
90°	0.0

(END OF REPORT)