

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: P1270532

Luminaire Tested: P3A20R309740D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

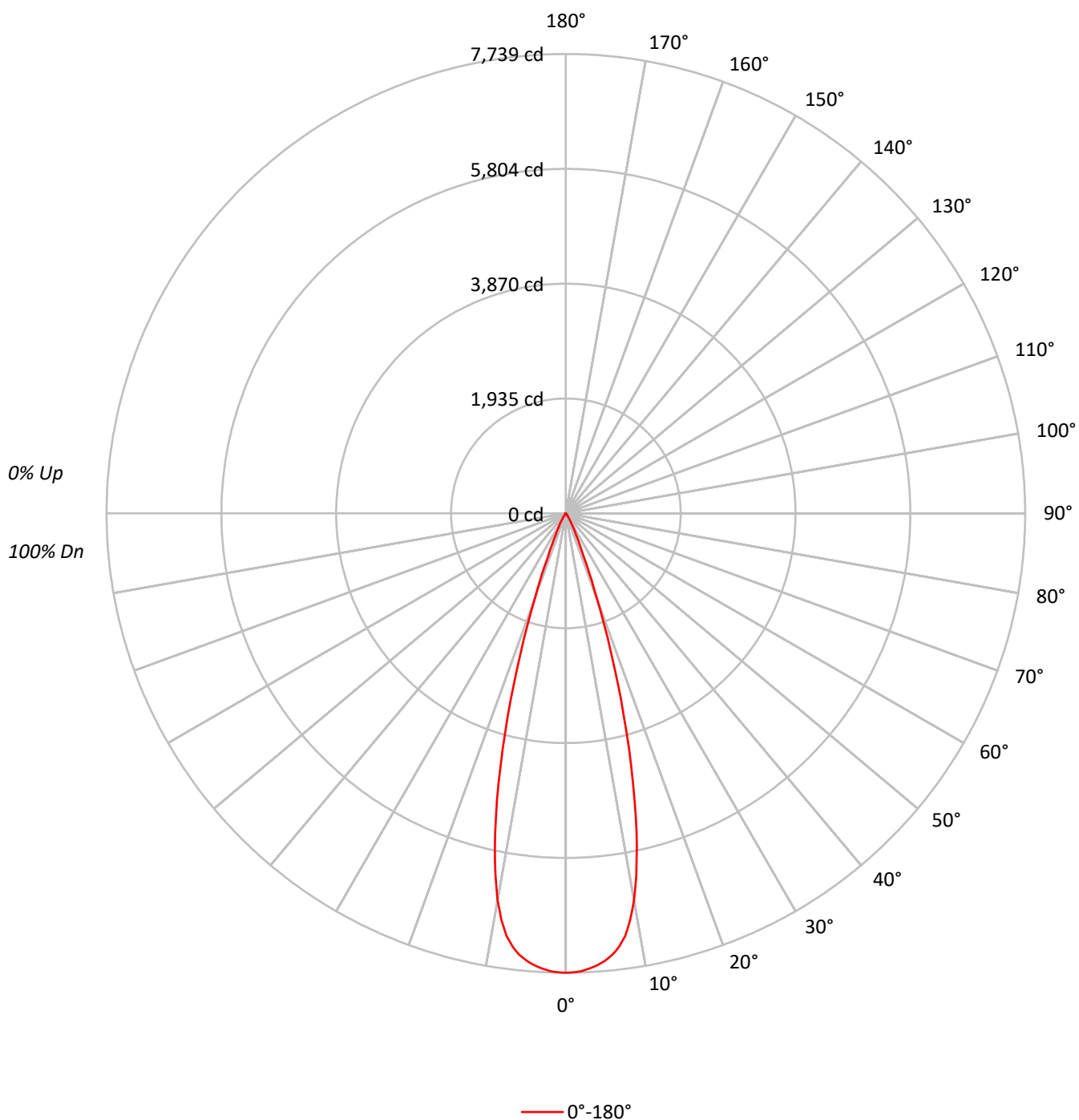
Lumens per Lamp: N/A
Luminaire Lumens: 2084.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		113	111	109	108		107	106	104		103	102	101		100	99	98
2	111	108	105	102		109	106	104	101		103	101	99		100	99	97		98	96	95
3	108	103	100	97		106	102	99	96		100	97	95		97	95	93		95	94	92
4	105	100	96	93		103	99	95	92		97	94	91		95	92	90		93	91	89
5	102	96	92	89		100	95	91	89		94	90	88		92	89	87		91	88	87
6	99	93	89	86		98	92	88	86		91	88	85		90	87	85		89	86	84
7	96	90	86	83		95	89	86	83		88	85	82		87	84	82		86	84	82
8	94	87	83	81		93	87	83	80		86	83	80		85	82	80		84	82	80
9	91	85	81	78		90	84	81	78		84	80	78		83	80	78		82	79	77
10	89	83	79	76		88	82	78	76		82	78	76		81	78	76		80	77	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1697079
5°	1664997
10°	1473965
15°	933831
20°	354464
25°	104958
30°	41449
35°	12715
40°	5611
45°	2016
50°	1672
55°	1262
60°	1447
65°	1712
70°	1026
75°	1356
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 2020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.3	33.4
10°-20°	1083.7	52.0
20°-30°	251.6	12.1
30°-40°	39.0	1.9
40°-50°	6.7	0.3
50°-60°	3.1	0.2
60°-70°	2.6	0.1
70°-80°	1.7	0.1
80°-90°	0.2	0.0
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°	2030.7	97.4
0°-40°	2069.6	99.3
0°-60°	2079.4	99.8
0°-90°	2084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7739	
5°	7564	695
15°	4114	1084
25°	434	252
35°	48	39
45°	6	7
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7739.3
1°	7734.4
2°	7713.1
3°	7677.1
4°	7631.3
5°	7564.1
6°	7480.7
7°	7356.3
8°	7186.0
9°	6935.6
10°	6619.7
11°	6212.1
12°	5752.1
13°	5241.4
14°	4679.9
15°	4113.5
17.5°	2691.1
20°	1519.0
22.5°	775.9
25°	433.8
27.5°	266.8
30°	163.7
32.5°	88.4
35°	47.5
37.5°	31.1
40°	19.6
42.5°	11.5
45°	6.5
47.5°	4.9
50°	4.9
52.5°	3.3
55°	3.3
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)