

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: P1270564

Luminaire Tested: P3A20R359740D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R359740D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

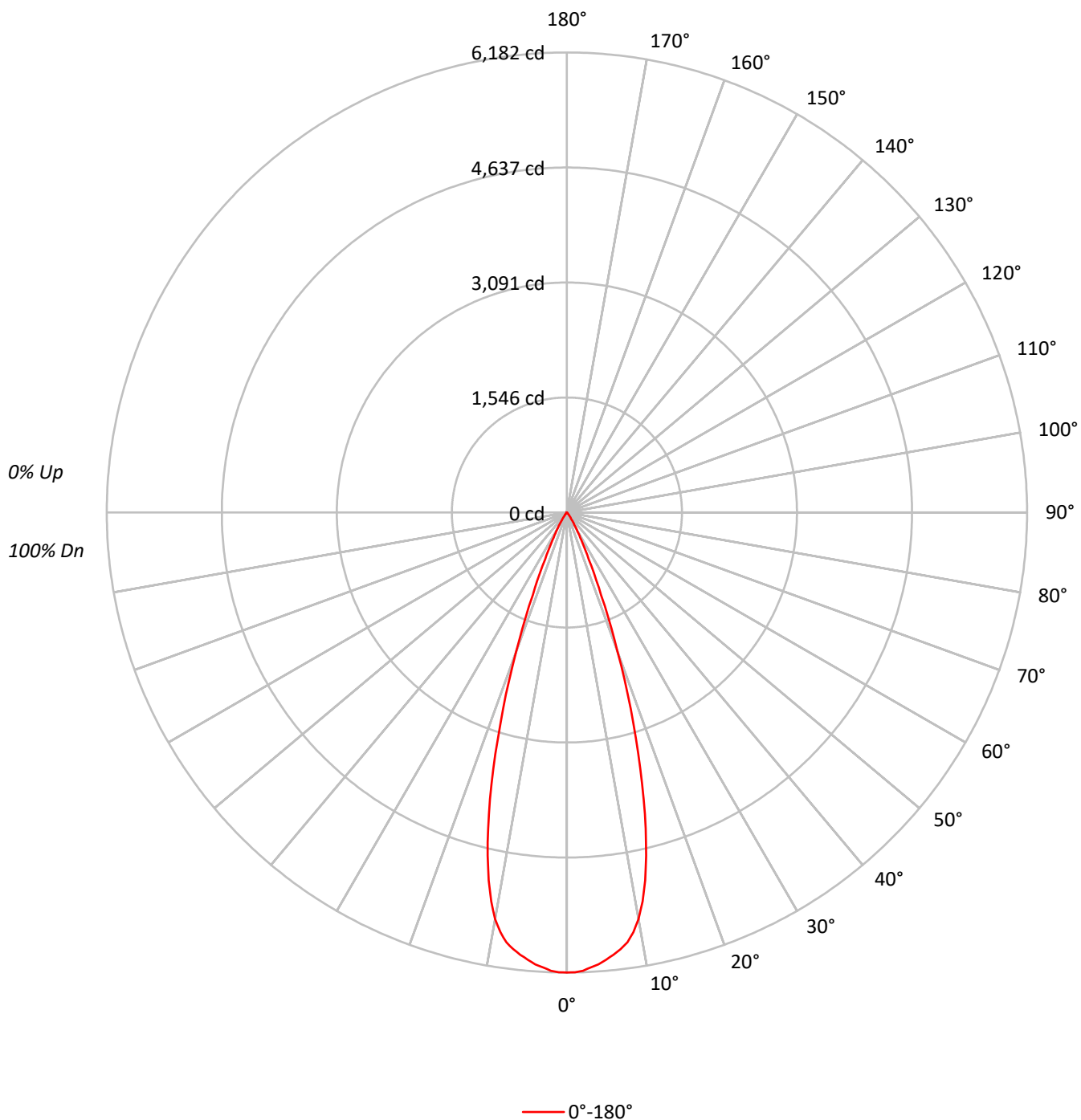
Lumens per Lamp: N/A
Luminaire Lumens: 2078.9 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1355637
5°	1328018
10°	1235470
15°	905794
20°	463814
25°	167163
30°	65073
35°	22781
40°	9360
45°	2543
50°	2217
55°	2485
60°	2149
65°	1712
70°	2116
75°	2796
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 2796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.4	27.1
10°-20°	1055.3	50.8
20°-30°	373.6	18.0
30°-40°	65.4	3.1
40°-50°	9.6	0.5
50°-60°	5.3	0.3
60°-70°	3.9	0.2
70°-80°	2.8	0.1
80°-90°	0.7	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°	1991.4	95.8
0°-40°	2056.8	98.9
0°-60°	2071.6	99.6
0°-90°	2078.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6182	
5°	6033	562
15°	3990	1055
25°	691	374
35°	85	65
45°	8	10
55°	6	5
65°	3	4
75°	3	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6182.2
1°	6180.6
2°	6161.0
3°	6123.3
4°	6088.9
5°	6033.2
6°	5975.9
7°	5912.1
8°	5833.5
9°	5710.7
10°	5548.6
11°	5324.3
12°	5054.2
13°	4733.3
14°	4379.6
15°	3990.0
17.5°	2971.6
20°	1987.6
22.5°	1198.5
25°	690.9
27.5°	412.6
30°	257.0
32.5°	149.0
35°	85.1
37.5°	54.0
40°	32.7
42.5°	16.4
45°	8.2
47.5°	6.5
50°	6.5
52.5°	6.5
55°	6.5
57.5°	4.9
60°	4.9
62.5°	4.9
65°	3.3
67.5°	3.3
70°	3.3
72.5°	3.3
75°	3.3
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)