

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: P1258287

Luminaire Tested: P3AS20R659040D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659040D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

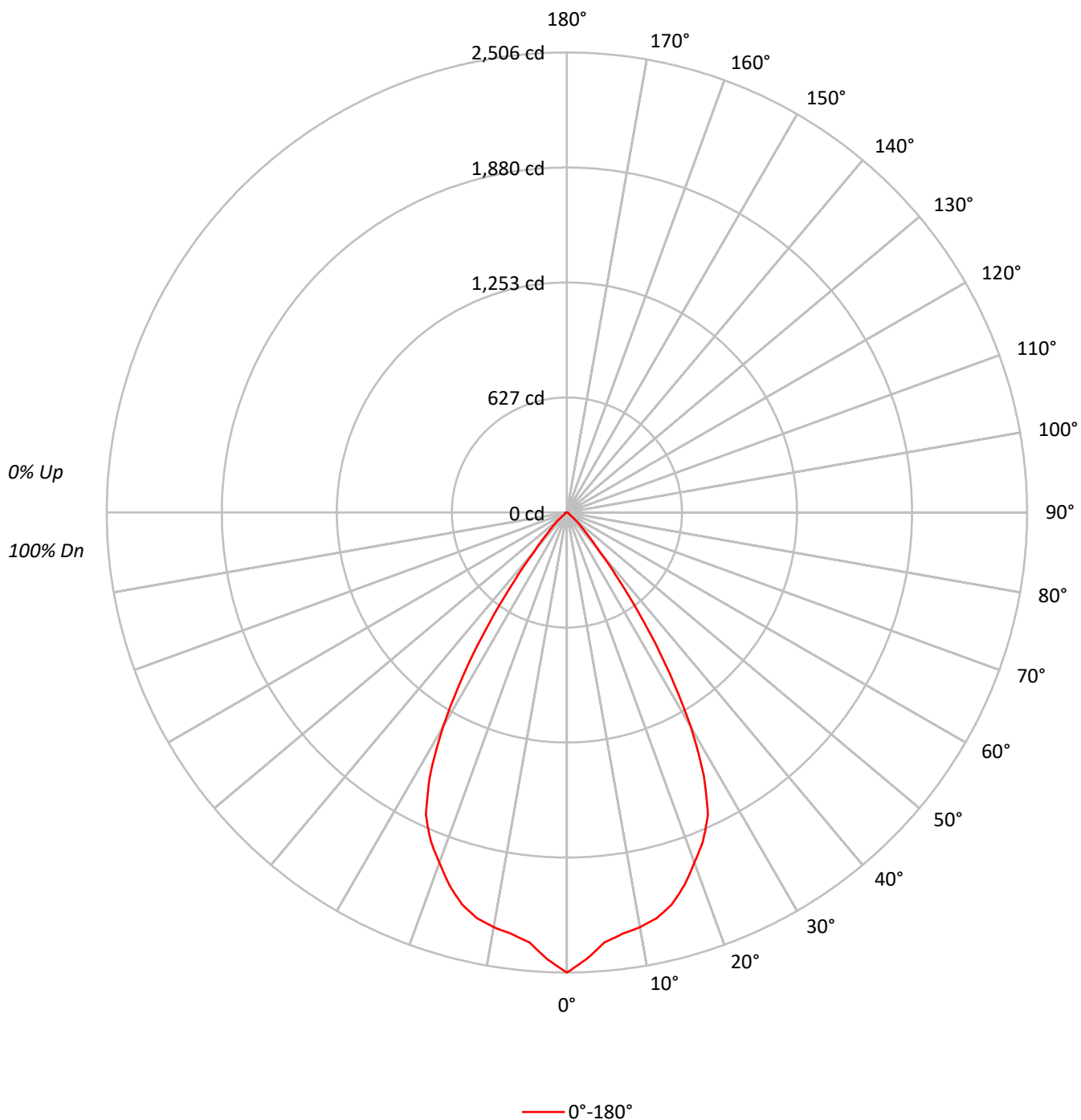
Lumens per Lamp: N/A
Luminaire Lumens: 2249.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		60	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	549605
5°	517278
10°	510701
15°	501683
20°	473685
25°	439646
30°	341723
35°	197691
40°	79664
45°	36655
50°	14260
55°	5582
60°	4780
65°	4722
70°	4680
75°	4660
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36655 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.4	9.9
10°-20°	617.1	27.4
20°-30°	807.9	35.9
30°-40°	467.9	20.8
40°-50°	100.1	4.5
50°-60°	16.3	0.7
60°-70°	9.0	0.4
70°-80°	5.3	0.2
80°-90°	2.0	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°	1648.4	73.3
0°-40°	2116.3	94.1
0°-60°	2232.8	99.3
0°-90°	2249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2506	
5°	2350	223
15°	2210	617
25°	1817	808
35°	738	468
45°	118	100
55°	15	16
65°	9	9
75°	6	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2506.4
2.5°	2435.5
5°	2350.0
7.5°	2315.4
10°	2293.6
12.5°	2262.7
15°	2209.9
17.5°	2128.1
20°	2029.9
22.5°	1937.1
25°	1817.1
27.5°	1615.2
30°	1349.6
32.5°	1045.9
35°	738.5
37.5°	467.4
40°	278.3
42.5°	174.6
45°	118.2
47.5°	76.4
50°	41.8
52.5°	20.0
55°	14.6
57.5°	12.7
60°	10.9
62.5°	10.9
65°	9.1
67.5°	7.3
70°	7.3
72.5°	5.5
75°	5.5
77.5°	3.6
80°	3.6
82.5°	1.8
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)