

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: P1250166

Luminaire Tested: P3AS20R659027D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250166
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: P3AS20R659027D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

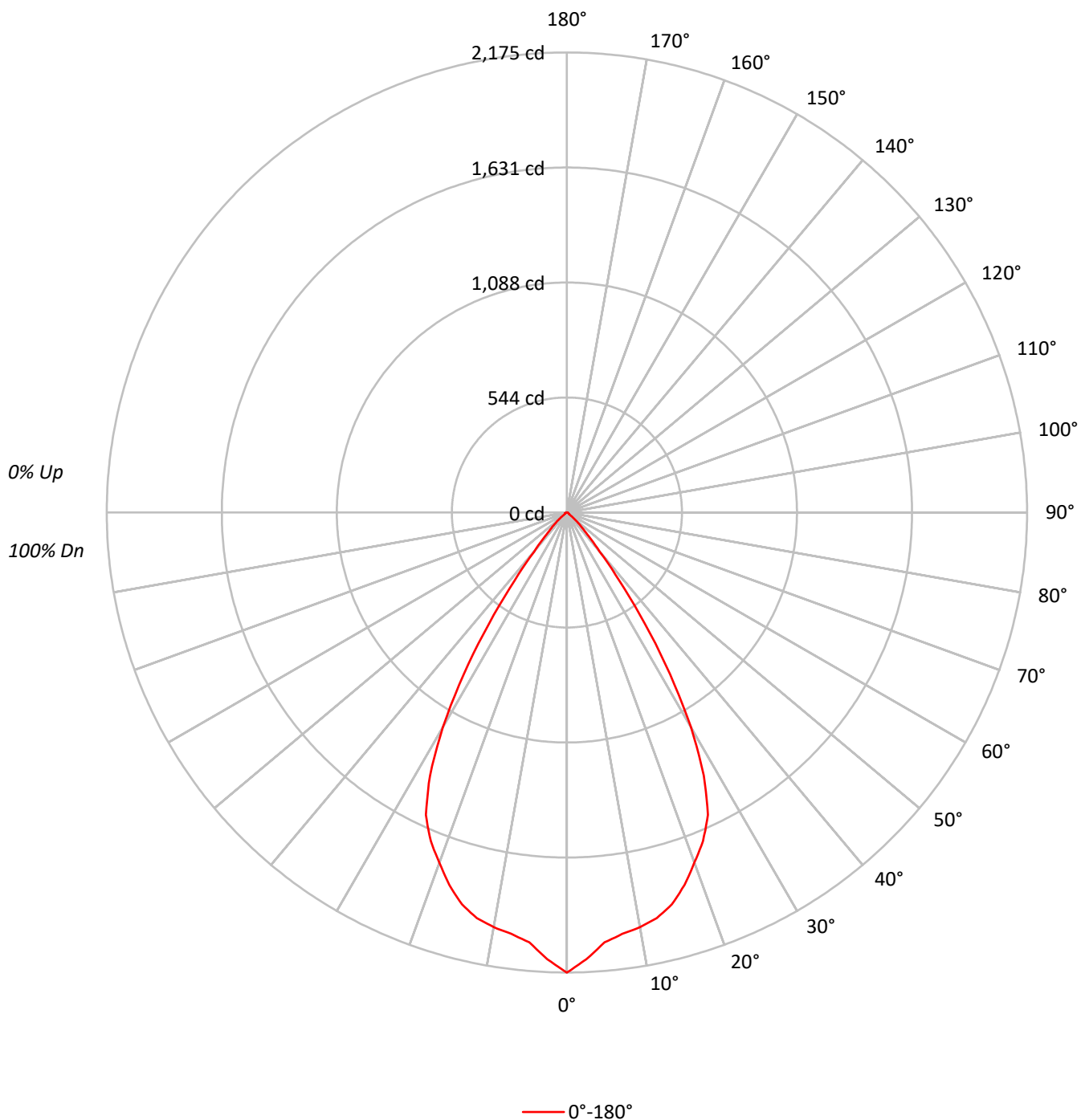
Lumens per Lamp: N/A
Luminaire Lumens: 1952.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87		
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81		
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75		
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70		
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62		
8	80	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54		
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477023
5°	448953
10°	443256
15°	435440
20°	411122
25°	381578
30°	296603
35°	171564
40°	69130
45°	31817
50°	12383
55°	4817
60°	4166
65°	4099
70°	4039
75°	3982
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31817 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	9.9
10°-20°	535.6	27.4
20°-30°	701.2	35.9
30°-40°	406.1	20.8
40°-50°	86.9	4.5
50°-60°	14.2	0.7
60°-70°	7.8	0.4
70°-80°	4.6	0.2
80°-90°	1.7	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°	1430.7	73.3
0°-40°	1836.8	94.1
0°-60°	1937.9	99.3
0°-90°	1952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1952.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2175	
5°	2040	194
15°	1918	536
25°	1577	701
35°	641	406
45°	103	87
55°	13	14
65°	8	8
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2175.4
2.5°	2113.8
5°	2039.6
7.5°	2009.7
10°	1990.7
12.5°	1963.9
15°	1918.1
17.5°	1847.0
20°	1761.8
22.5°	1681.3
25°	1577.1
27.5°	1401.9
30°	1171.4
32.5°	907.7
35°	640.9
37.5°	405.7
40°	241.5
42.5°	151.6
45°	102.6
47.5°	66.3
50°	36.3
52.5°	17.4
55°	12.6
57.5°	11.1
60°	9.5
62.5°	9.5
65°	7.9
67.5°	6.3
70°	6.3
72.5°	4.7
75°	4.7
77.5°	3.2
80°	3.2
82.5°	1.6
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)