

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: P1260683

Luminaire Tested: P3AS20R309050D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260683
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: P3AS20R309050D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

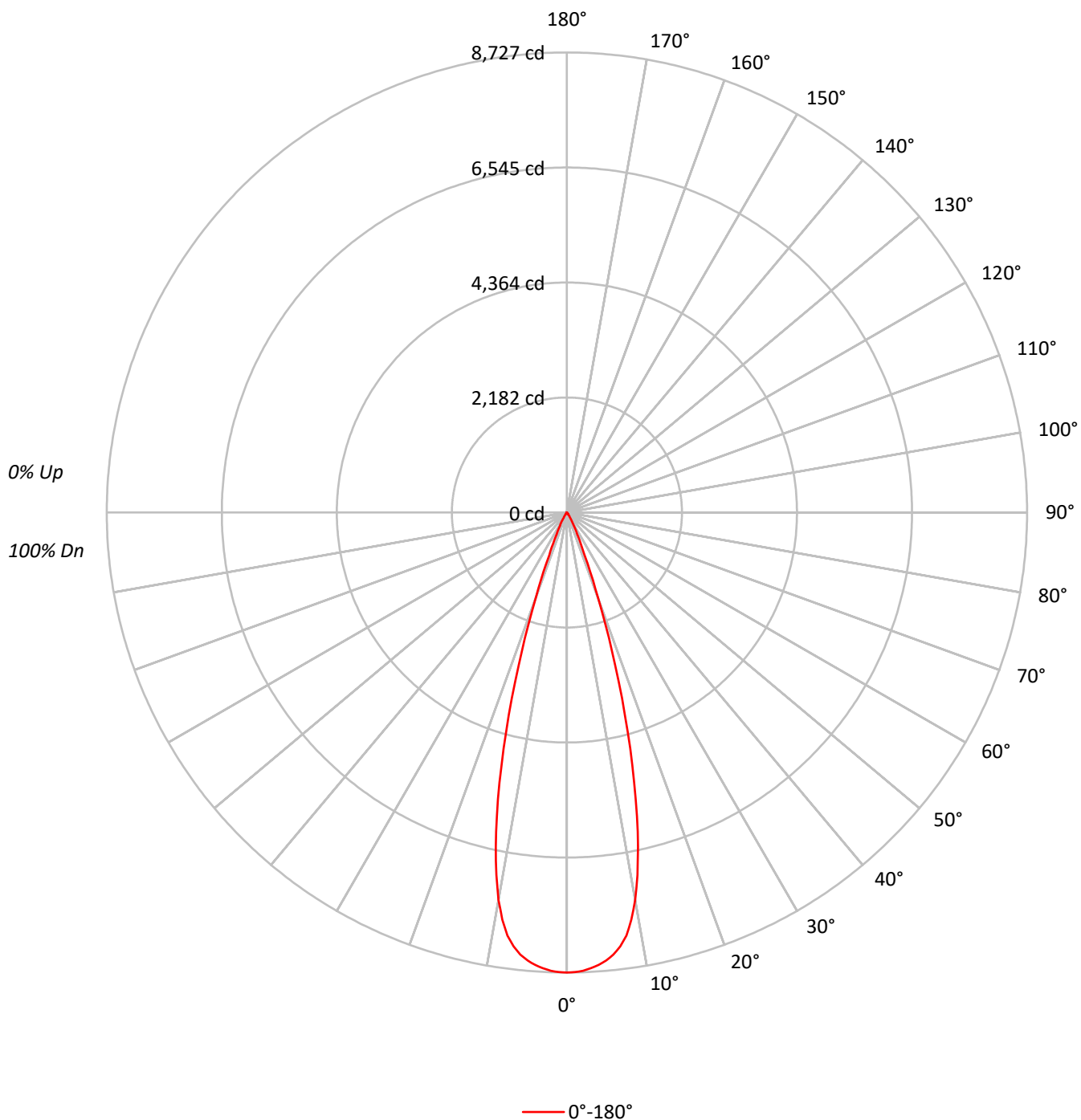
Lumens per Lamp: N/A
Luminaire Lumens: 2349.9 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1260683

CATALOG NUMBER: P3AS20R309050D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1260683

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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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	85	84	83
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1913684
5°	1877521
10°	1662093
15°	1053037
20°	399711
25°	118337
30°	46741
35°	14322
40°	6355
45°	2295
50°	1876
55°	1415
60°	1623
65°	1920
70°	1154
75°	1525
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2295 cd/sqm

TEST NUMBER: P1260683

CATALOG NUMBER: P3AS20R309050D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.1	33.4
10°-20°	1222.0	52.0
20°-30°	283.8	12.1
30°-40°	44.0	1.9
40°-50°	7.5	0.3
50°-60°	3.5	0.1
60°-70°	2.9	0.1
70°-80°	1.9	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°	2289.8	97.4
0°-40°	2333.8	99.3
0°-60°	2344.8	99.8
0°-90°	2349.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8727	
5°	8530	784
15°	4639	1222
25°	489	284
35°	54	44
45°	7	8
55°	4	4
65°	4	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8727.1
1°	8721.6
2°	8697.6
3°	8657.0
4°	8605.3
5°	8529.6
6°	8435.5
7°	8295.2
8°	8103.2
9°	7820.8
10°	7464.6
11°	7005.0
12°	6486.3
13°	5910.4
14°	5277.3
15°	4638.6
17.5°	3034.6
20°	1712.9
22.5°	874.9
25°	489.1
27.5°	300.9
30°	184.6
32.5°	99.7
35°	53.5
37.5°	35.1
40°	22.2
42.5°	12.9
45°	7.4
47.5°	5.5
50°	5.5
52.5°	3.7
55°	3.7
57.5°	3.7
60°	3.7
62.5°	3.7
65°	3.7
67.5°	1.8
70°	1.8
72.5°	1.8
75°	1.8
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1260683

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CANDELA DISTRIBUTION (continued):



(END OF REPORT)