

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: P1272597

Luminaire Tested: P3AS20R259827D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259827D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

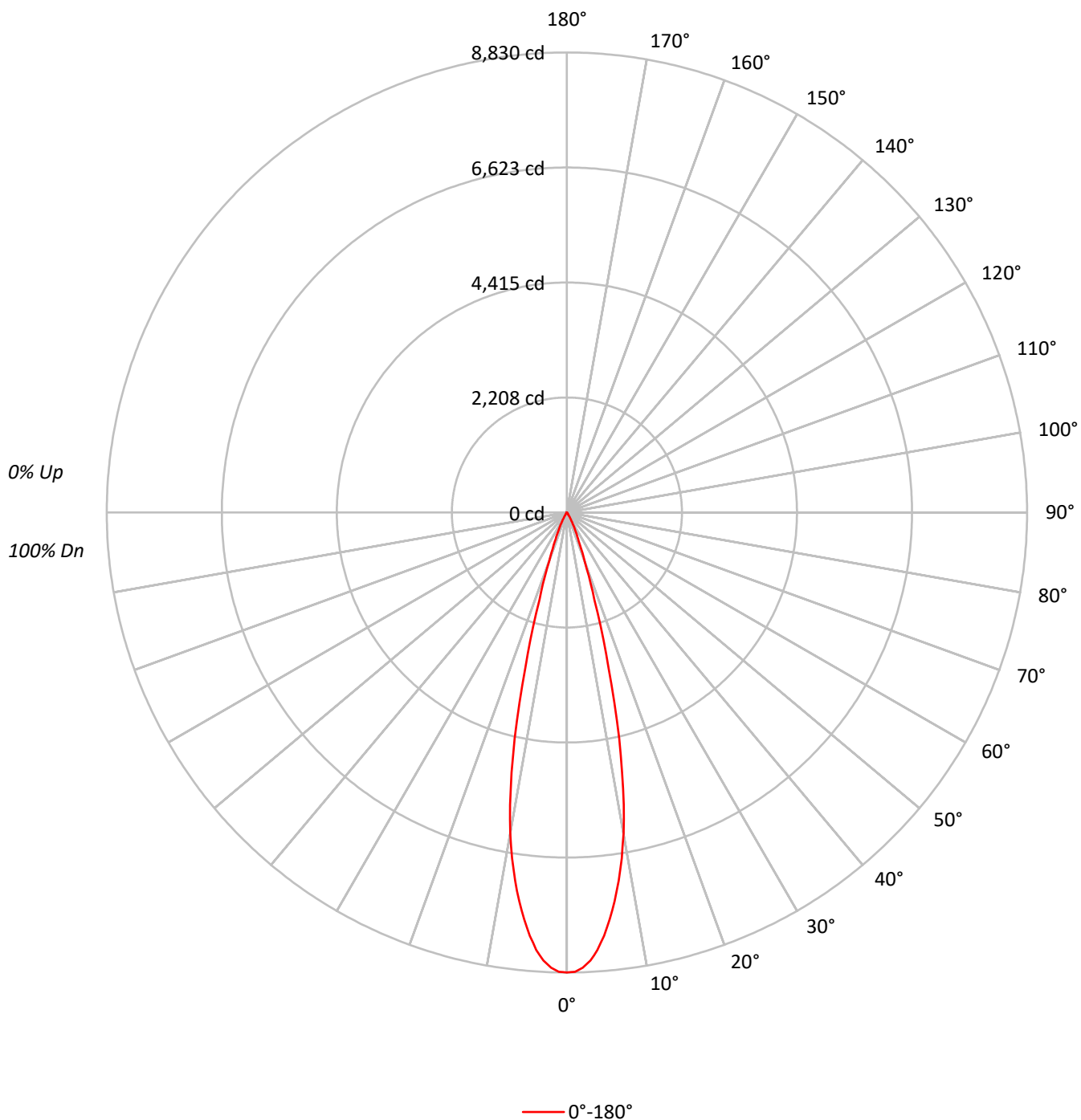
Lumens per Lamp: N/A
Luminaire Lumens: 1810.9 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272597

CATALOG NUMBER: P3AS20R259827D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272597

CATALOG NUMBER: P3AS20R259827D010 E3CB1MW

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85	85	85
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83	83	83
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81	81	81
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79	79	79
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1936226
5°	1795791
10°	1392671
15°	698324
20°	229433
25°	91215
30°	34233
35°	9905
40°	4494
45°	1768
50°	1467
55°	1070
60°	1228
65°	1453
70°	898
75°	1186
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1768 cd/sqm

TEST NUMBER: P1272597

CATALOG NUMBER: P3AS20R259827D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.6	39.6
10°-20°	856.1	47.3
20°-30°	193.0	10.7
30°-40°	31.3	1.7
40°-50°	5.7	0.3
50°-60°	3.0	0.2
60°-70°	2.6	0.1
70°-80°	1.5	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°	1766.7	97.6
0°-40°	1798.0	99.3
0°-60°	1806.7	99.8
0°-90°	1810.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1810.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8830	
5°	8158	718
15°	3076	856
25°	377	193
35°	37	31
45°	6	6
55°	3	3
65°	3	3
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1272597

CATALOG NUMBER: P3AS20R259827D010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

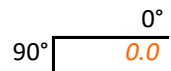
0°	
0°	8829.9
1°	8815.6
2°	8744.5
3°	8613.6
4°	8415.8
5°	8158.3
6°	7851.0
7°	7518.1
8°	7136.7
9°	6719.9
10°	6254.6
11°	5718.2
12°	5100.7
13°	4454.8
14°	3761.9
15°	3076.1
17.5°	1752.9
20°	983.2
22.5°	593.3
25°	377.0
27.5°	231.9
30°	135.2
32.5°	71.1
35°	37.0
37.5°	24.2
40°	15.7
42.5°	10.0
45°	5.7
47.5°	4.3
50°	4.3
52.5°	4.3
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.8
67.5°	2.8
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1272597

CATALOG NUMBER: P3AS20R259827D010 E3CB1MW

CANDELA DISTRIBUTION (continued):



(END OF REPORT)