

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: P1272627

Luminaire Tested: P3AS20R309827D010 E3CB1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272627
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: P3AS20R309827D010 E3CB1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

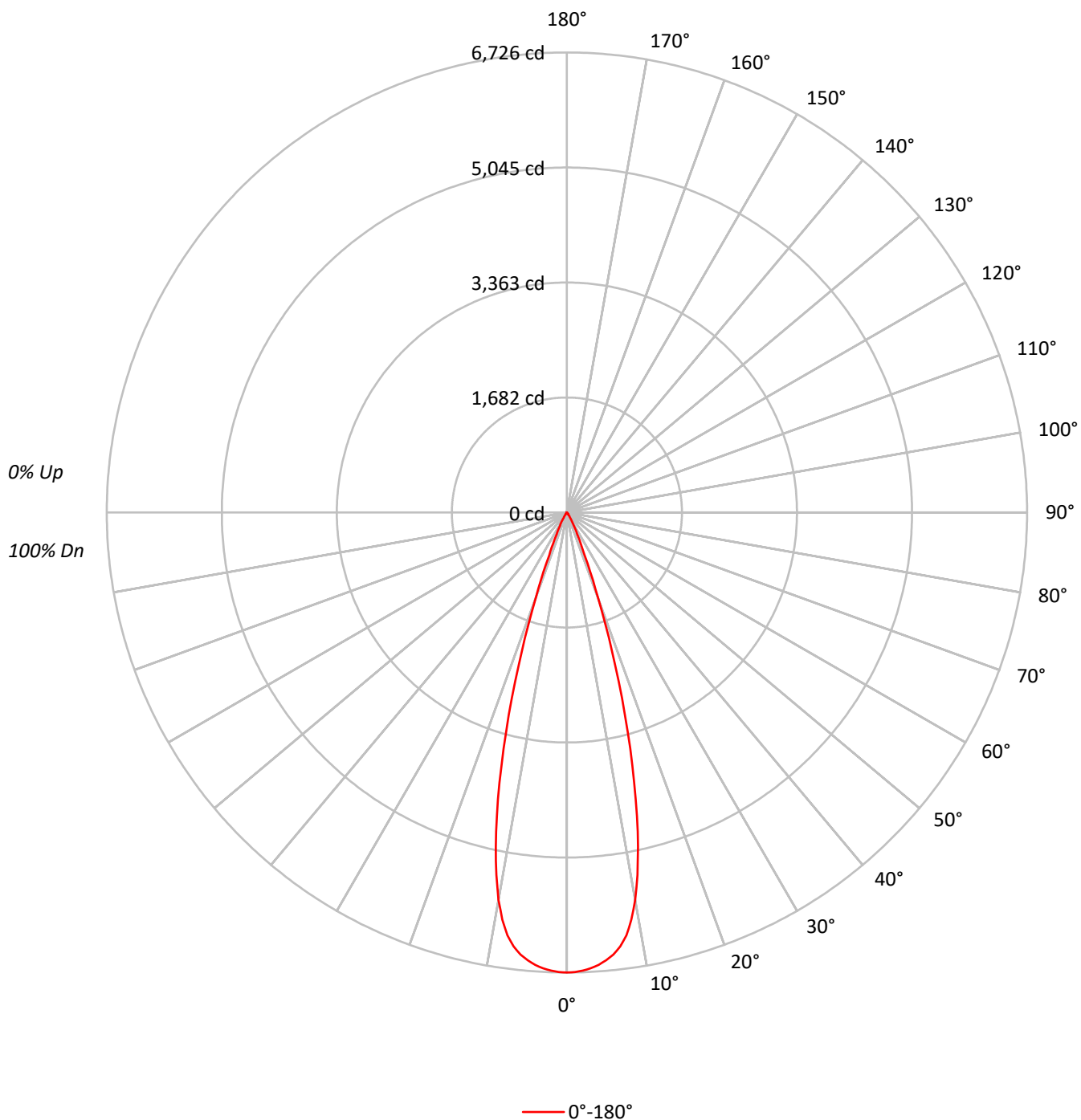
Lumens per Lamp: N/A
Luminaire Lumens: 1810.9 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272627

CATALOG NUMBER: P3AS20R309827D010 E3CB1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1272627

CATALOG NUMBER: P3AS20R309827D010 E3CB1MB

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	92	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	83	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°	1474772
5°	1446904
10°	1280871
15°	811514
20°	308050
25°	91215
30°	36006
35°	11056
40°	4895
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: P1272627

CATALOG NUMBER: P3AS20R309827D010 E3CB1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.3	33.4
10°-20°	941.7	52.0
20°-30°	218.7	12.1
30°-40°	33.9	1.9
40°-50°	5.8	0.3
50°-60°	2.7	0.1
60°-70°	2.2	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°	1764.7	97.4
0°-40°	1798.5	99.3
0°-60°	1807.0	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°	6726	
5°	6573	604
15°	3575	942
25°	377	219
35°	41	34
45°	6	6
55°	3	3
65°	3	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1272627

CATALOG NUMBER: P3AS20R309827D010 E3CB1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6725.5
1°	6721.2
2°	6702.7
3°	6671.4
4°	6631.6
5°	6573.3
6°	6500.7
7°	6392.6
8°	6244.7
9°	6027.0
10°	5752.5
11°	5398.3
12°	4998.6
13°	4554.8
14°	4066.9
15°	3574.7
17.5°	2338.5
20°	1320.1
22.5°	674.3
25°	377.0
27.5°	231.9
30°	142.2
32.5°	76.8
35°	41.3
37.5°	27.0
40°	17.1
42.5°	10.0
45°	5.7
47.5°	4.3
50°	4.3
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.8
67.5°	1.4
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: P1272627

CATALOG NUMBER: P3AS20R309827D010 E3CB1MB

CANDELA DISTRIBUTION (continued):



(END OF REPORT)