

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: P1263510

Luminaire Tested: P3A20R509727D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509727D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

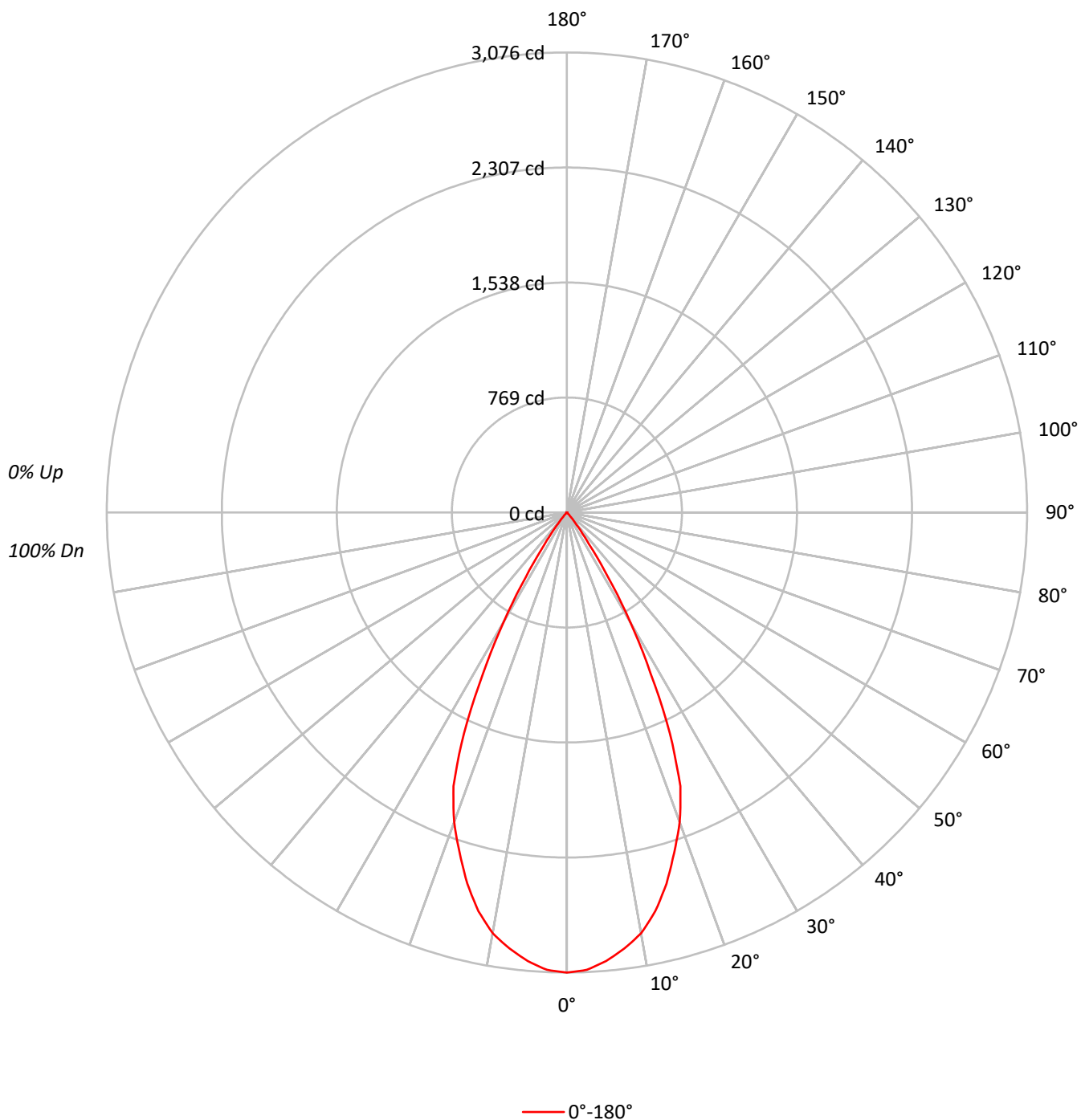
Lumens per Lamp: N/A
Luminaire Lumens: 1936.9 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263510

CATALOG NUMBER: P3A20R509727D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1263510

CATALOG NUMBER: P3A20R509727D010 E3CD1MB

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	112	109	107	112	109	107	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	674595
5°	662534
10°	636149
15°	583340
20°	514381
25°	394257
30°	214362
35°	68984
40°	16202
45°	2202
50°	1944
55°	2179
60°	1842
65°	2179
70°	1795
75°	2372
80°	1768
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 3522 cd/sqm

TEST NUMBER: P1263510

CATALOG NUMBER: P3A20R509727D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	14.6
10°-20°	714.3	36.9
20°-30°	715.3	36.9
30°-40°	201.1	10.4
40°-50°	12.2	0.6
50°-60°	4.6	0.2
60°-70°	3.6	0.2
70°-80°	2.4	0.1
80°-90°	1.0	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°	1712.1	88.4
0°-40°	1913.2	98.8
0°-60°	1930.0	99.6
0°-90°	1936.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3076	
5°	3010	282
15°	2570	714
25°	1630	715
35°	258	201
45°	7	12
55°	6	5
65°	4	4
75°	3	2
85°	1	1
90°	0	

TEST NUMBER: P1263510

CATALOG NUMBER: P3A20R509727D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3076.4
2.5°	3060.8
5°	3009.9
7.5°	2940.5
10°	2857.0
12.5°	2731.0
15°	2569.6
17.5°	2384.1
20°	2204.3
22.5°	1980.6
25°	1629.5
27.5°	1213.3
30°	846.6
32.5°	511.1
35°	257.7
37.5°	121.8
40°	56.6
42.5°	21.2
45°	7.1
47.5°	5.7
50°	5.7
52.5°	5.7
55°	5.7
57.5°	4.2
60°	4.2
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)