

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: P1263366

Luminaire Tested: P3A20R259727D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263366
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: P3A20R259727D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

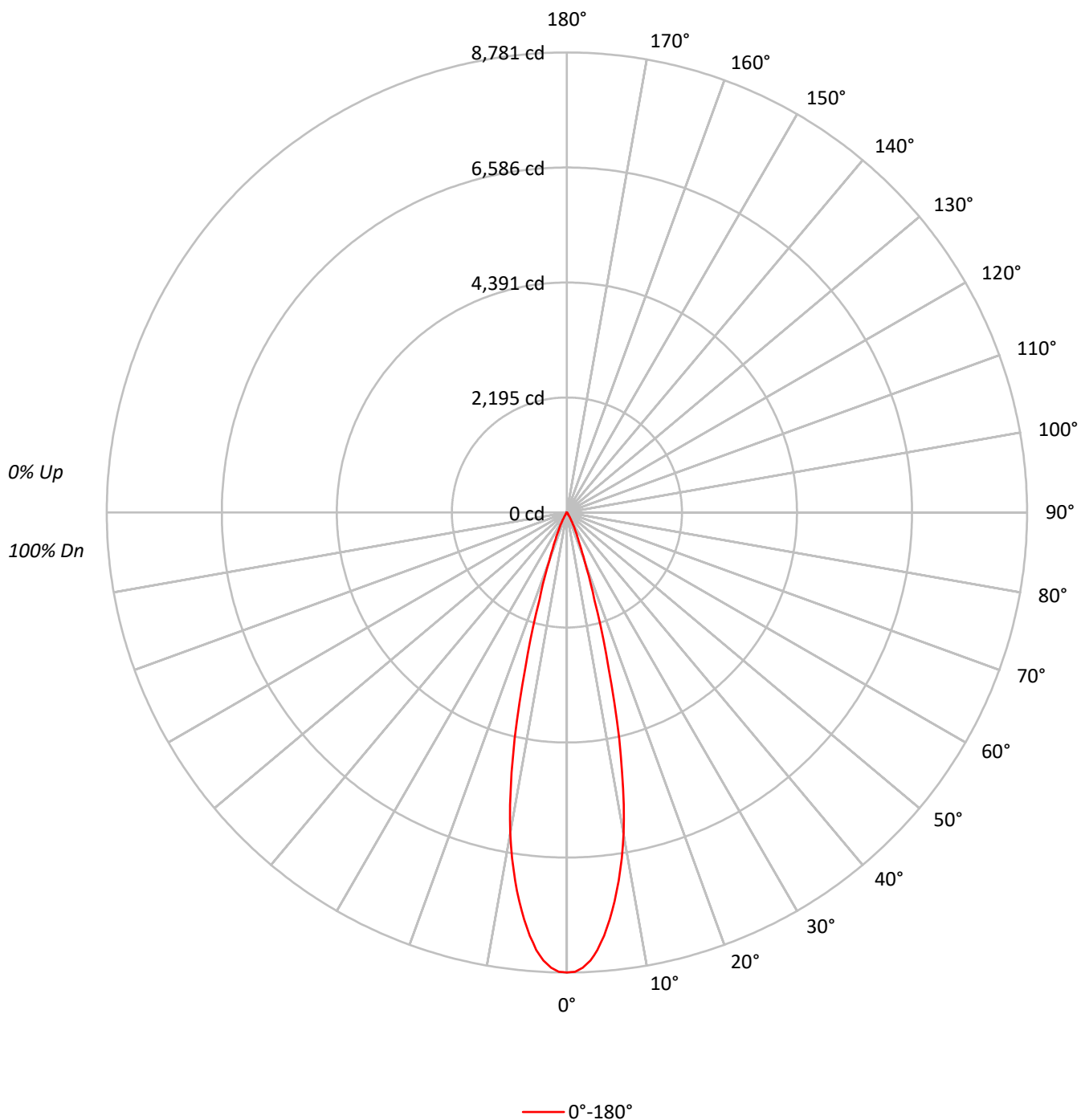
Lumens per Lamp: N/A
Luminaire Lumens: 1800.9 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1263366

CATALOG NUMBER: P3A20R259727D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1263366

CATALOG NUMBER: P3A20R259727D010 E3CD1MW

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	110		113	111	109	108		107	106	105		103	103	102		100	99	99
2	112	108	105	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	108	104	101	98		107	103	100	97		100	98	96		98	96	94		96	94	93
4	105	100	97	94		104	99	96	93		97	95	92		96	93	91		94	92	90
5	103	97	93	90		101	96	93	90		95	92	89		93	91	89		92	90	88
6	100	94	90	87		99	93	90	87		92	89	87		91	88	86		90	87	86
7	97	91	88	85		96	91	87	85		90	87	84		89	86	84		88	85	83
8	95	89	85	83		94	89	85	82		88	84	82		87	84	82		86	83	81
9	93	87	83	80		92	86	83	80		86	82	80		85	82	80		84	82	80
10	91	85	81	78		90	84	81	78		84	80	78		83	80	78		82	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1925526
5°	1785886
10°	1384989
15°	694465
20°	228150
25°	90731
30°	34031
35°	9851
40°	4466
45°	1768
50°	1433
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: P1263366

CATALOG NUMBER: P3A20R259727D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.6	39.6
10°-20°	851.4	47.3
20°-30°	191.9	10.7
30°-40°	31.1	1.7
40°-50°	5.6	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°	1756.9	97.6
0°-40°	1788.1	99.3
0°-60°	1796.6	99.8
0°-90°	1800.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8781	
5°	8113	714
15°	3059	851
25°	375	192
35°	37	31
45°	6	6
55°	3	3
65°	3	3
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1263366

CATALOG NUMBER: P3A20R259727D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8781.1
1°	8767.0
2°	8696.2
3°	8566.0
4°	8369.4
5°	8113.3
6°	7807.6
7°	7476.5
8°	7097.3
9°	6682.8
10°	6220.1
11°	5686.6
12°	5072.6
13°	4430.2
14°	3741.1
15°	3059.1
17.5°	1743.2
20°	977.7
22.5°	590.0
25°	375.0
27.5°	230.6
30°	134.4
32.5°	70.7
35°	36.8
37.5°	24.1
40°	15.6
42.5°	9.9
45°	5.7
47.5°	4.2
50°	4.2
52.5°	4.2
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: P1263366
CATALOG NUMBER: P3A20R259727D010 E3CD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)