

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: P1263458

Luminaire Tested: P3A20R409727D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409727D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

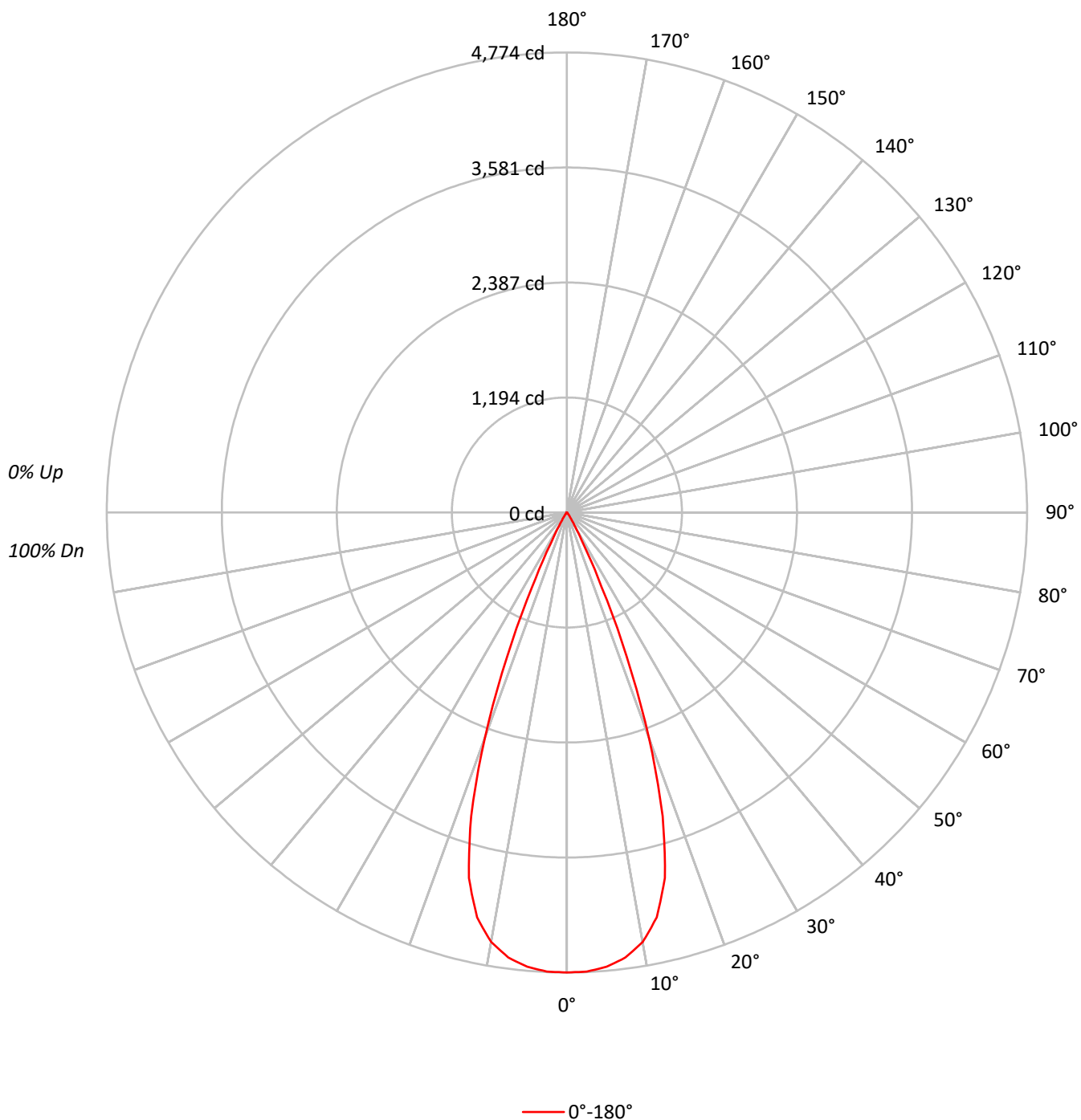
Lumens per Lamp: N/A
Luminaire Lumens: 1987.9 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263458

CATALOG NUMBER: P3A20R409727D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1263458

CATALOG NUMBER: P3A20R409727D010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1046736
5°	1041710
10°	1007752
15°	891583
20°	581704
25°	206068
30°	43703
35°	14402
40°	5267
45°	1768
50°	1433
55°	1606
60°	1228
65°	1453
70°	898
75°	1186
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2352 cd/sqm

TEST NUMBER: P1263458

CATALOG NUMBER: P3A20R409727D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.3	22.4
10°-20°	1037.0	52.2
20°-30°	450.0	22.6
30°-40°	41.5	2.1
40°-50°	5.9	0.3
50°-60°	3.6	0.2
60°-70°	2.6	0.1
70°-80°	1.5	0.1
80°-90°	0.6	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°	1932.3	97.2
0°-40°	1973.8	99.3
0°-60°	1983.2	99.8
0°-90°	1987.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1987.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4774	
5°	4732	445
15°	3927	1037
25°	852	450
35°	54	41
45°	6	6
55°	4	4
65°	3	3
75°	1	1
85°	0	1
90°	0	

TEST NUMBER: P1263458

CATALOG NUMBER: P3A20R409727D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4773.5
2.5°	4767.8
5°	4732.5
7.5°	4657.5
10°	4525.9
12.5°	4303.8
15°	3927.4
17.5°	3303.5
20°	2492.8
22.5°	1618.5
25°	851.7
27.5°	366.4
30°	172.6
32.5°	93.4
35°	53.8
37.5°	32.5
40°	18.4
42.5°	9.9
45°	5.7
47.5°	4.2
50°	4.2
52.5°	4.2
55°	4.2
57.5°	4.2
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°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)