

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: P1270445

Luminaire Tested: P3A20R159740D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159740D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

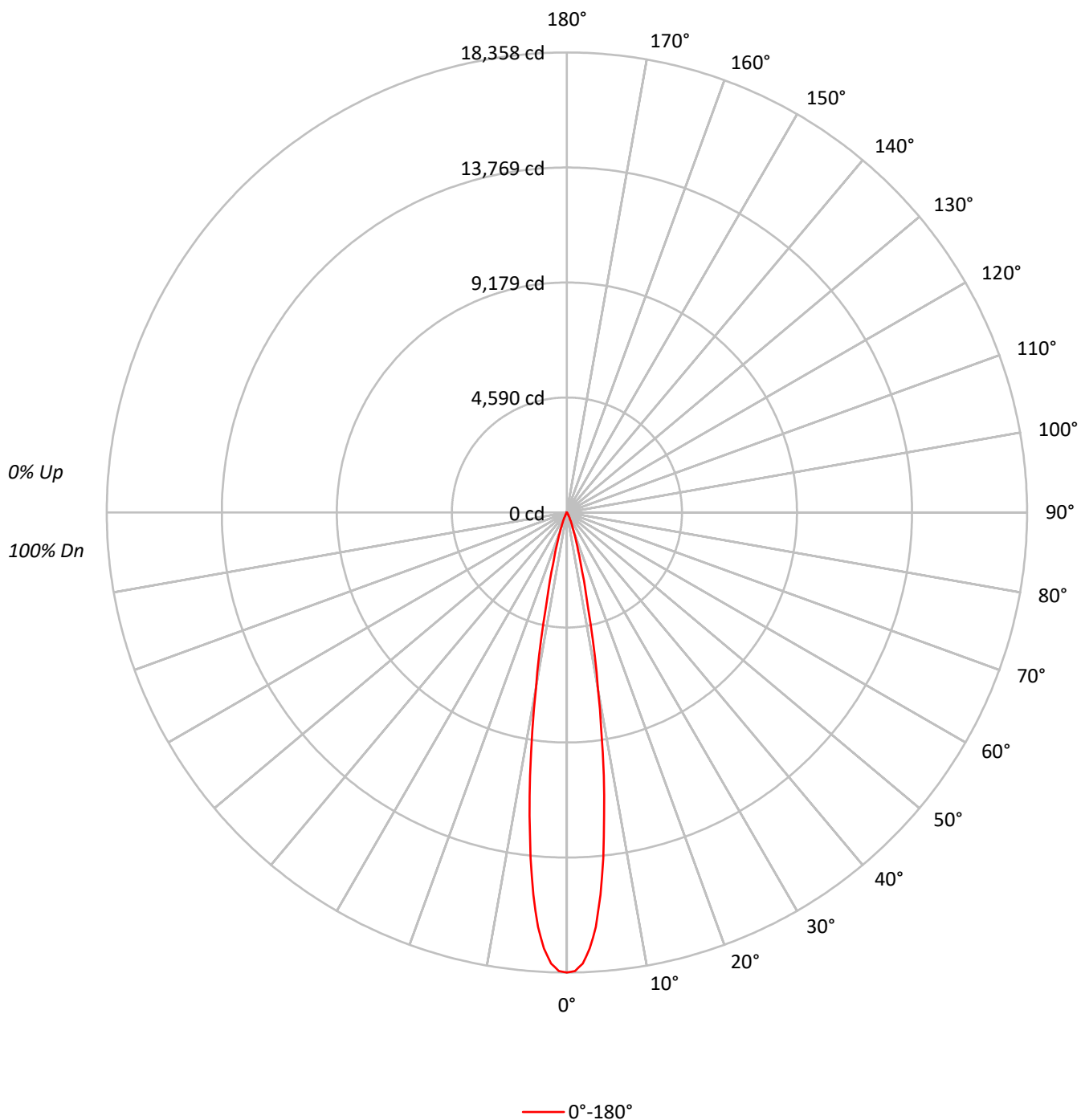
Lumens per Lamp: N/A
Luminaire Lumens: 2071.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270445

CATALOG NUMBER: P3A20R159740D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270445

CATALOG NUMBER: P3A20R159740D010 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	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	87	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4025533
5°	3373797
10°	1589193
15°	479117
20°	177279
25°	68931
30°	25700
35°	7897
40°	2805
45°	1520
50°	1126
55°	1262
60°	1447
65°	830
70°	1026
75°	1356
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1520 cd/sqm

TEST NUMBER: P1270445

CATALOG NUMBER: P3A20R159740D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1184.9	57.2
10°-20°	704.3	34.0
20°-30°	148.0	7.1
30°-40°	23.9	1.2
40°-50°	4.0	0.2
50°-60°	3.0	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
80°-90°	0.0	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°	2037.2	98.4
0°-40°	2061.1	99.5
0°-60°	2068.1	99.9
0°-90°	2071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18358	
5°	15327	###
15°	2110	704
25°	285	148
35°	30	24
45°	5	4
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1270445

CATALOG NUMBER: P3A20R159740D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	18357.9
1°	18300.6
2°	18009.1
3°	17426.2
4°	16571.5
5°	15327.2
6°	13865.0
7°	12193.3
8°	10596.9
9°	8789.3
10°	7137.2
12.5°	3851.0
15°	2110.5
17.5°	1236.2
20°	759.7
22.5°	465.0
25°	284.9
27.5°	171.9
30°	101.5
32.5°	57.3
35°	29.5
37.5°	16.4
40°	9.8
42.5°	6.5
45°	4.9
47.5°	3.3
50°	3.3
52.5°	3.3
55°	3.3
57.5°	3.3
60°	3.3
62.5°	1.6
65°	1.6
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)