

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: P1270658

Luminaire Tested: P3A20R509740D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509740D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

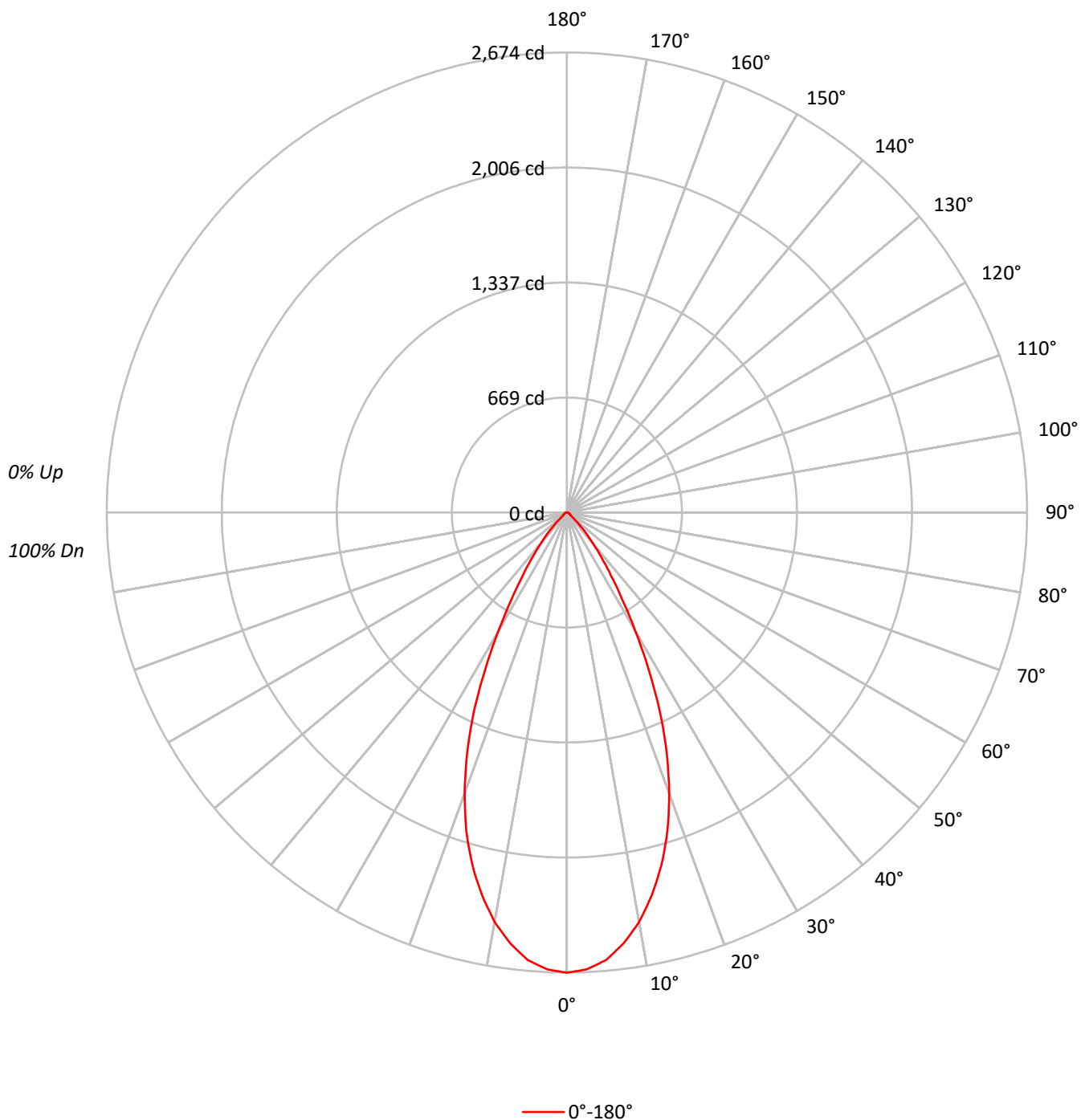
Lumens per Lamp: N/A
Luminaire Lumens: 1842.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270658

CATALOG NUMBER: P3A20R509740D010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1270658

CATALOG NUMBER: P3A20R509740D010 E3DL1MW

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	586466
5°	574641
10°	538244
15°	481842
20°	405499
25°	309478
30°	201120
35°	119257
40°	68929
45°	34546
50°	12861
55°	10016
60°	9341
65°	8509
70°	8399
75°	8303
80°	8334
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34546 cd/sqm

TEST NUMBER: P1270658

CATALOG NUMBER: P3A20R509740D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	13.2
10°-20°	587.0	31.9
20°-30°	575.9	31.3
30°-40°	290.1	15.8
40°-50°	91.7	5.0
50°-60°	23.7	1.3
60°-70°	16.8	0.9
70°-80°	10.4	0.6
80°-90°	3.6	0.2
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°	1405.7	76.3
0°-40°	1695.8	92.1
0°-60°	1811.3	98.3
0°-90°	1842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2674	
5°	2611	243
15°	2122	587
25°	1279	576
35°	446	290
45°	111	92
55°	26	24
65°	16	17
75°	10	10
85°	3	4
90°	0	

TEST NUMBER: P1270658

CATALOG NUMBER: P3A20R509740D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2674.5
2.5°	2658.1
5°	2610.6
7.5°	2525.4
10°	2417.3
12.5°	2278.1
15°	2122.5
17.5°	1942.4
20°	1737.7
22.5°	1516.6
25°	1279.1
27.5°	1026.9
30°	794.3
32.5°	597.8
35°	445.5
37.5°	329.2
40°	240.8
42.5°	170.3
45°	111.4
47.5°	63.9
50°	37.7
52.5°	27.8
55°	26.2
57.5°	22.9
60°	21.3
62.5°	19.7
65°	16.4
67.5°	14.7
70°	13.1
72.5°	11.5
75°	9.8
77.5°	8.2
80°	6.6
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)