

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: P1268225

Luminaire Tested: P3A20R409735D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409735D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

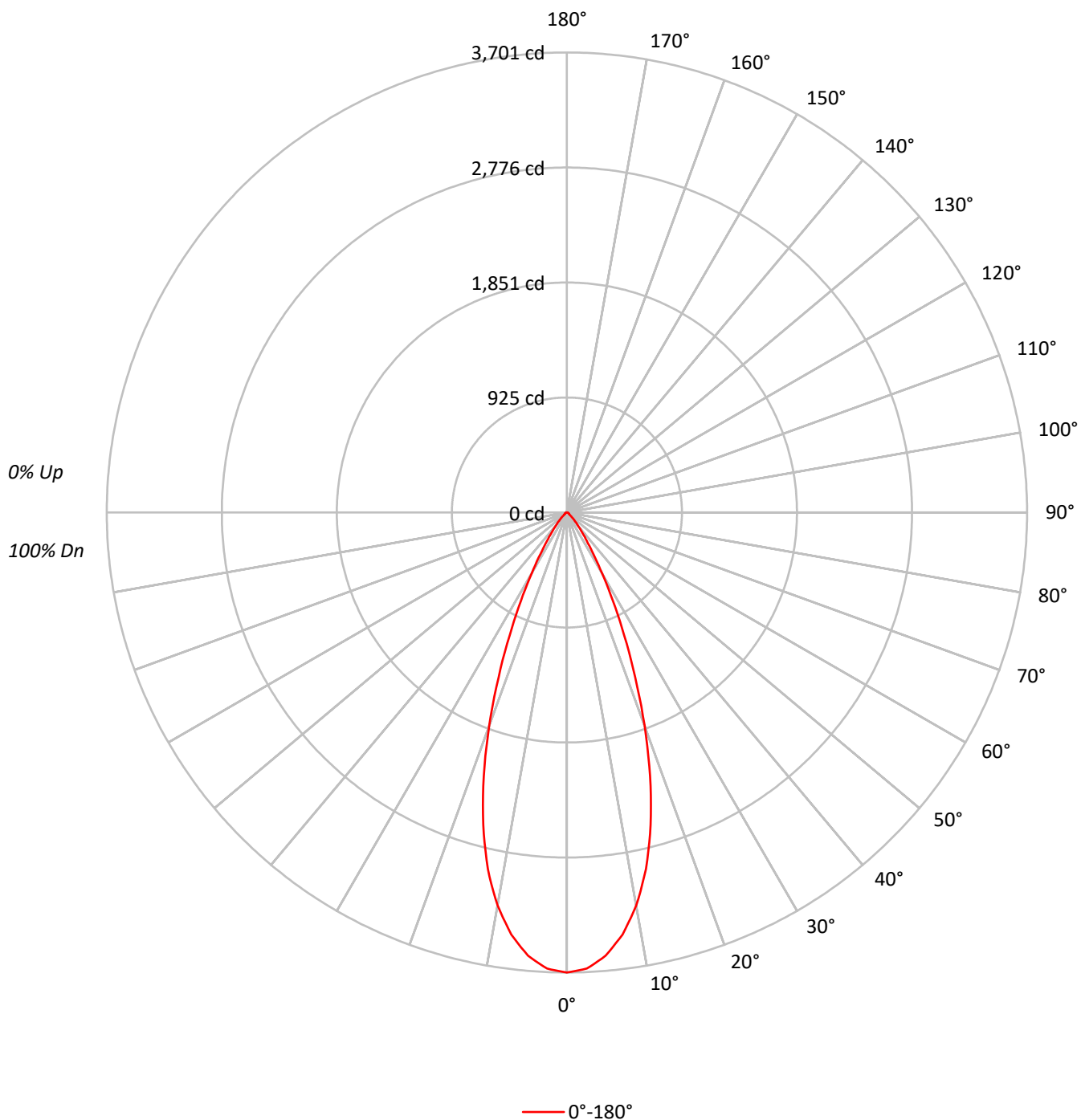
Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268225

CATALOG NUMBER: P3A20R409735D010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1268225

CATALOG NUMBER: P3A20R409735D010 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	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	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	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	811536
5°	787957
10°	715039
15°	590718
20°	426104
25°	263556
30°	142706
35°	73749
40°	40104
45°	22452
50°	11292
55°	8411
60°	7587
65°	7368
70°	7052
75°	6693
80°	5935
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22452 cd/sqm

TEST NUMBER: P1268225

CATALOG NUMBER: P3A20R409735D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.0	18.0
10°-20°	708.6	38.6
20°-30°	505.7	27.6
30°-40°	186.2	10.2
40°-50°	58.6	3.2
50°-60°	20.4	1.1
60°-70°	14.0	0.8
70°-80°	8.3	0.5
80°-90°	2.4	0.1
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°	1544.2	84.2
0°-40°	1730.3	94.3
0°-60°	1809.3	98.7
0°-90°	1834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3701	
5°	3580	330
15°	2602	709
25°	1089	506
35°	276	186
45°	72	59
55°	22	20
65°	14	14
75°	8	8
85°	2	2
90°	0	

TEST NUMBER: P1268225

CATALOG NUMBER: P3A20R409735D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3700.9
2.5°	3672.5
5°	3579.7
7.5°	3425.4
10°	3211.3
12.5°	2939.0
15°	2602.1
17.5°	2224.3
20°	1826.0
22.5°	1434.1
25°	1089.3
27.5°	799.7
30°	563.6
32.5°	395.1
35°	275.5
37.5°	195.2
40°	140.1
42.5°	100.7
45°	72.4
47.5°	48.8
50°	33.1
52.5°	23.6
55°	22.0
57.5°	20.5
60°	17.3
62.5°	15.7
65°	14.2
67.5°	12.6
70°	11.0
72.5°	9.4
75°	7.9
77.5°	6.3
80°	4.7
82.5°	3.1
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)