

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: P1263637

Luminaire Tested: P3A20R709727D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709727D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

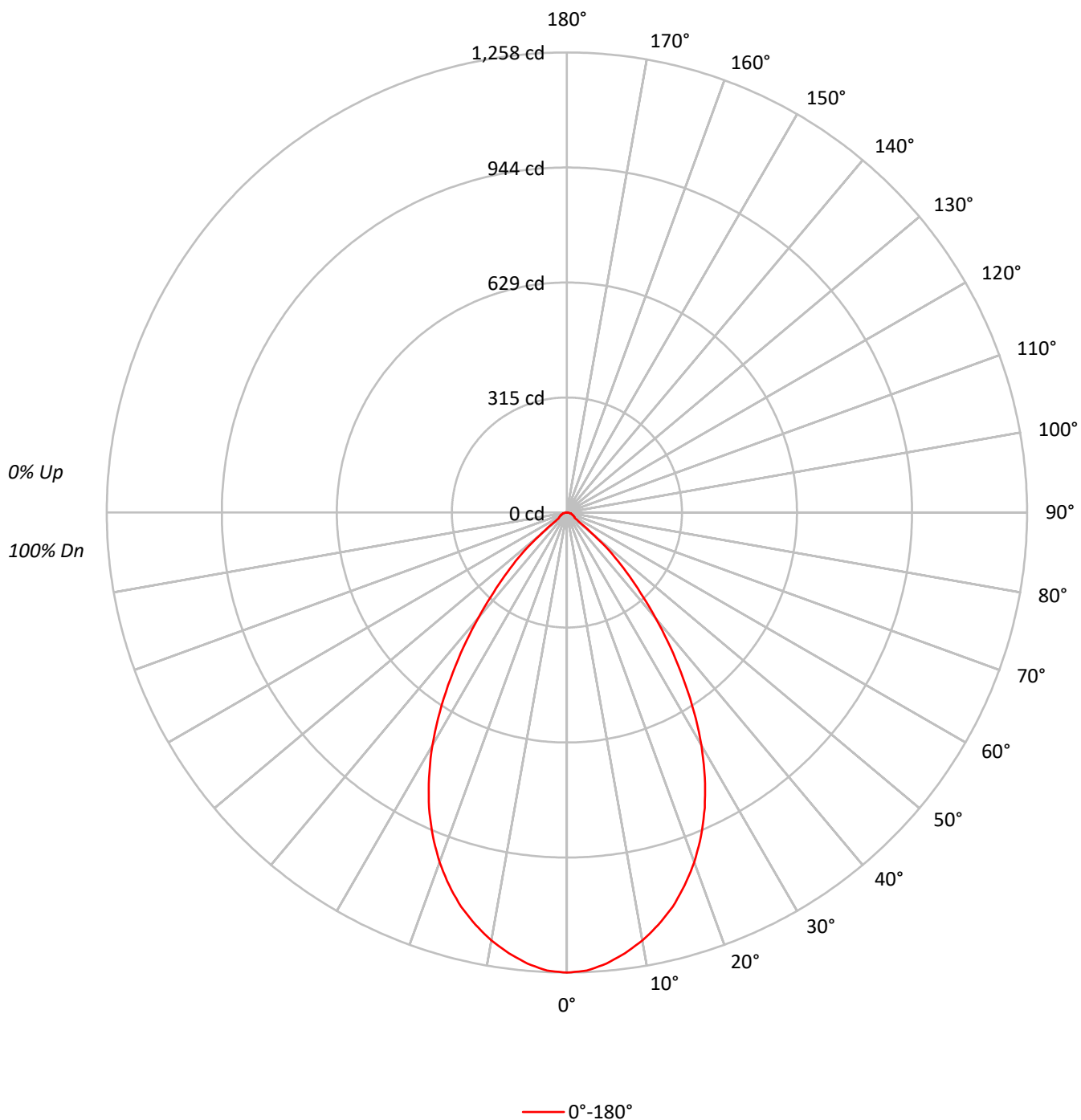
Lumens per Lamp: N/A
Luminaire Lumens: 1425.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275877
5°	272550
10°	264680
15°	253463
20°	237437
25°	215698
30°	186332
35°	148489
40°	108145
45°	71108
50°	33295
55°	10284
60°	9911
65°	9547
70°	9104
75°	9574
80°	8966
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	8.2
10°-20°	312.5	21.9
20°-30°	406.1	28.5
30°-40°	344.6	24.2
40°-50°	177.7	12.5
50°-60°	34.3	2.4
60°-70°	18.6	1.3
70°-80°	11.4	0.8
80°-90°	3.3	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°	835.2	58.6
0°-40°	1179.8	82.8
0°-60°	1391.8	97.7
0°-90°	1425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1258	
5°	1238	117
15°	1116	312
25°	892	406
35°	555	345
45°	229	178
55°	27	34
65°	18	19
75°	11	11
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1258.1
2.5°	1253.8
5°	1238.2
7.5°	1215.6
10°	1188.7
12.5°	1154.8
15°	1116.5
17.5°	1069.8
20°	1017.5
22.5°	958.0
25°	891.5
27.5°	816.5
30°	735.9
32.5°	646.7
35°	554.7
37.5°	464.2
40°	377.8
42.5°	297.2
45°	229.3
47.5°	168.4
50°	97.6
52.5°	42.5
55°	26.9
57.5°	25.5
60°	22.6
62.5°	21.2
65°	18.4
67.5°	17.0
70°	14.2
72.5°	12.7
75°	11.3
77.5°	8.5
80°	7.1
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)