

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: P1270057

Luminaire Tested: P3A13R709740DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R709740DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

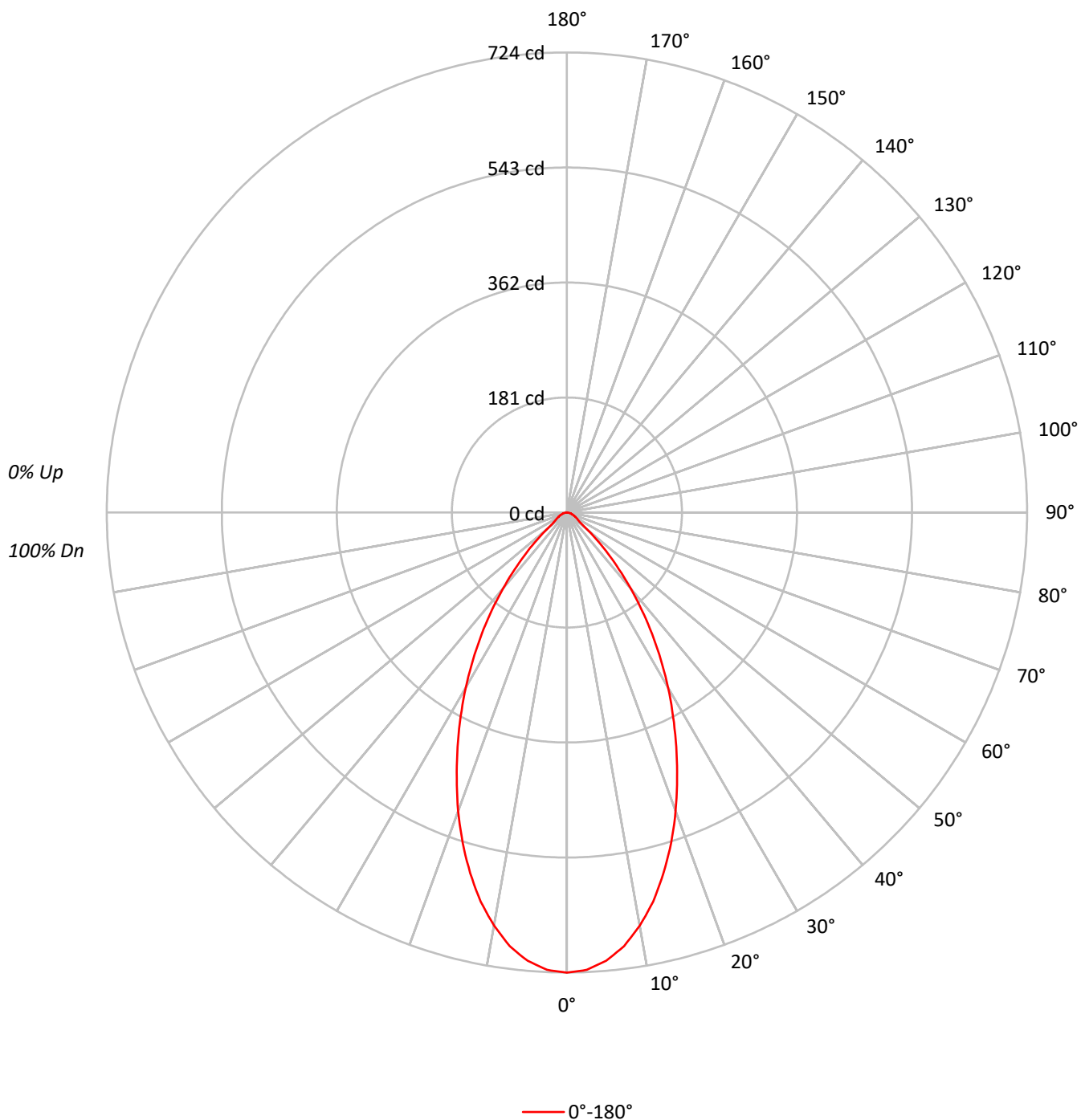
Lumens per Lamp: N/A
Luminaire Lumens: 677.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	104		110	107	105	103		103	101	100		100	98	97		96	95	94
2	106	101	97	93		104	99	95	92		96	93	90		93	90	88		90	88	86
3	100	93	88	83		98	92	87	83		89	85	81		87	83	80		84	81	79
4	95	86	80	76		93	85	80	75		83	78	74		81	77	73		79	76	73
5	89	80	74	69		88	79	73	69		78	72	68		76	71	68		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	65	62
7	80	70	64	59		79	69	63	59		68	62	58		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	62	55	51		71	61	55	51		60	55	51		59	54	51		58	54	50
10	69	58	52	48		67	58	52	48		57	51	48		56	51	48		55	51	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158803
5°	155888
10°	146980
15°	133395
20°	116677
25°	98425
30°	80595
35°	62506
40°	44741
45°	28313
50°	14123
55°	8640
60°	7456
65°	6849
70°	6027
75°	5592
80°	4799
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28313 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	9.8
10°-20°	163.5	24.2
20°-30°	186.2	27.5
30°-40°	145.6	21.5
40°-50°	71.5	10.6
50°-60°	22.0	3.3
60°-70°	13.1	1.9
70°-80°	7.0	1.0
80°-90°	2.0	0.3
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°	415.8	61.4
0°-40°	561.4	82.9
0°-60°	654.9	96.7
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	708	66
15°	588	164
25°	407	186
35°	234	146
45°	91	72
55°	23	22
65°	13	13
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	724.2
2.5°	720.4
5°	708.2
7.5°	688.4
10°	660.1
12.5°	627.2
15°	587.6
17.5°	545.3
20°	500.0
22.5°	453.0
25°	406.8
27.5°	361.6
30°	318.3
32.5°	275.0
35°	233.5
37.5°	194.0
40°	156.3
42.5°	121.5
45°	91.3
47.5°	64.0
50°	41.4
52.5°	27.3
55°	22.6
57.5°	19.8
60°	17.0
62.5°	15.1
65°	13.2
67.5°	11.3
70°	9.4
72.5°	7.5
75°	6.6
77.5°	5.7
80°	3.8
82.5°	2.8
85°	1.9
87.5°	0.9
90°	0.0

(END OF REPORT)