

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: P1264539

Luminaire Tested: P3A09R109730DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R109730DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 3000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

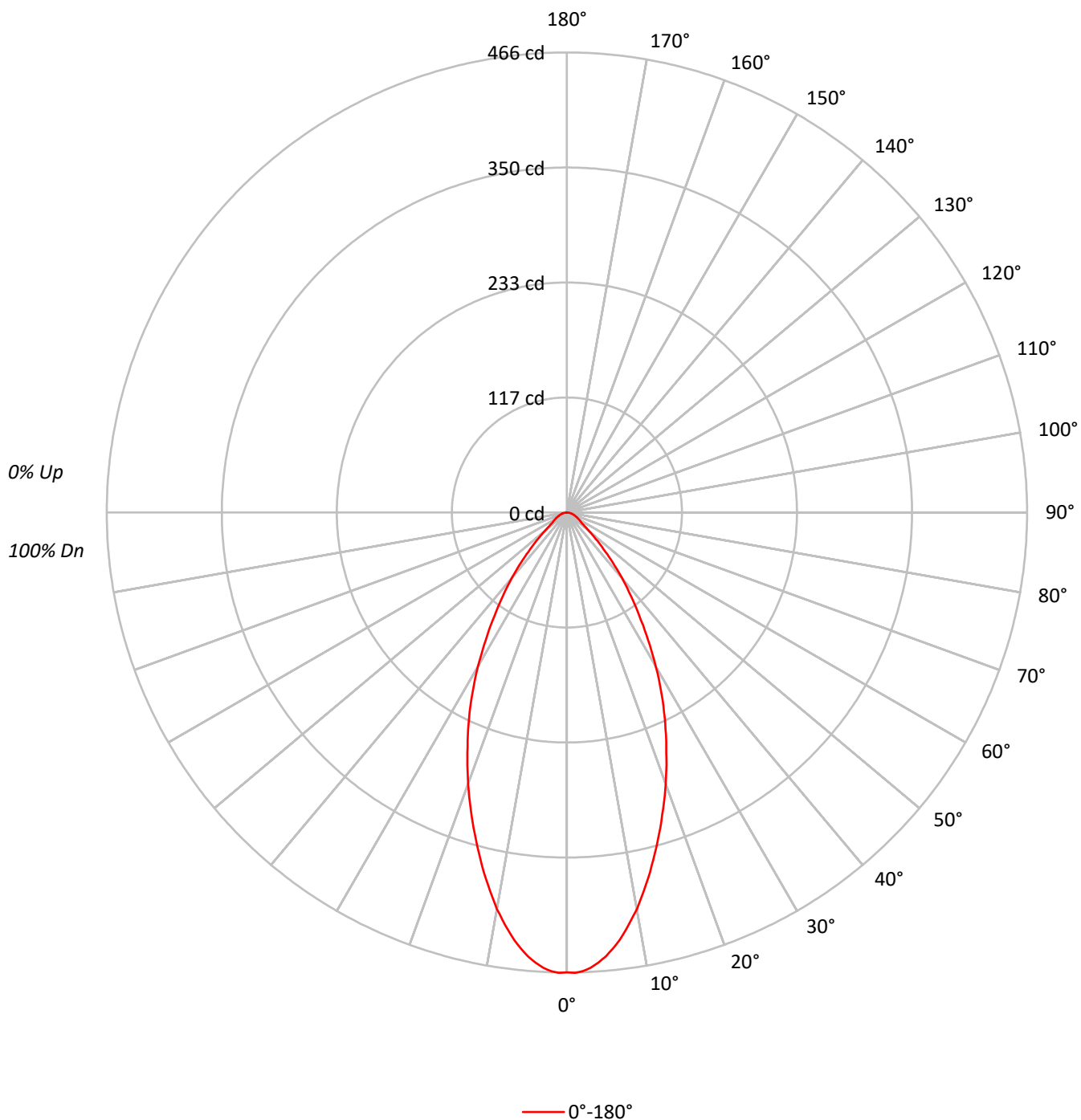
Lumens per Lamp: N/A
Luminaire Lumens: 405.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	73	68	87	79	73	68	77	72	67		75	70	67		74
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		69
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		65
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102163
5°	99383
10°	90824
15°	79546
20°	68256
25°	56979
30°	45602
35°	34211
40°	24818
45°	16219
50°	10166
55°	6881
60°	6096
65°	5604
70°	5257
75°	4745
80°	4546
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	10.3
10°-20°	97.6	24.1
20°-30°	107.6	26.6
30°-40°	80.6	19.9
40°-50°	41.8	10.3
50°-60°	17.3	4.3
60°-70°	10.7	2.6
70°-80°	6.0	1.5
80°-90°	1.7	0.4
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°	246.9	61.0
0°-40°	327.5	80.8
0°-60°	386.6	95.4
0°-90°	405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	466	
5°	452	42
15°	350	98
25°	236	108
35°	128	81
45°	52	42
55°	18	17
65°	11	11
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	465.9
1°	466.4
2°	464.8
3°	461.8
4°	457.1
5°	451.5
6°	444.3
7°	436.6
8°	427.4
9°	417.6
10°	407.9
12.5°	379.7
15°	350.4
17.5°	321.2
20°	292.5
22.5°	263.2
25°	235.5
27.5°	207.8
30°	180.1
32.5°	152.9
35°	127.8
37.5°	106.2
40°	86.7
42.5°	68.8
45°	52.3
47.5°	39.5
50°	29.8
52.5°	22.1
55°	18.0
57.5°	15.9
60°	13.9
62.5°	12.3
65°	10.8
67.5°	9.2
70°	8.2
72.5°	6.7
75°	5.6
77.5°	4.6
80°	3.6
82.5°	2.6
85°	1.5
87.5°	0.5
90°	0.0

(END OF REPORT)