

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: P1269123

Luminaire Tested: P3A05R459740DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R459740DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

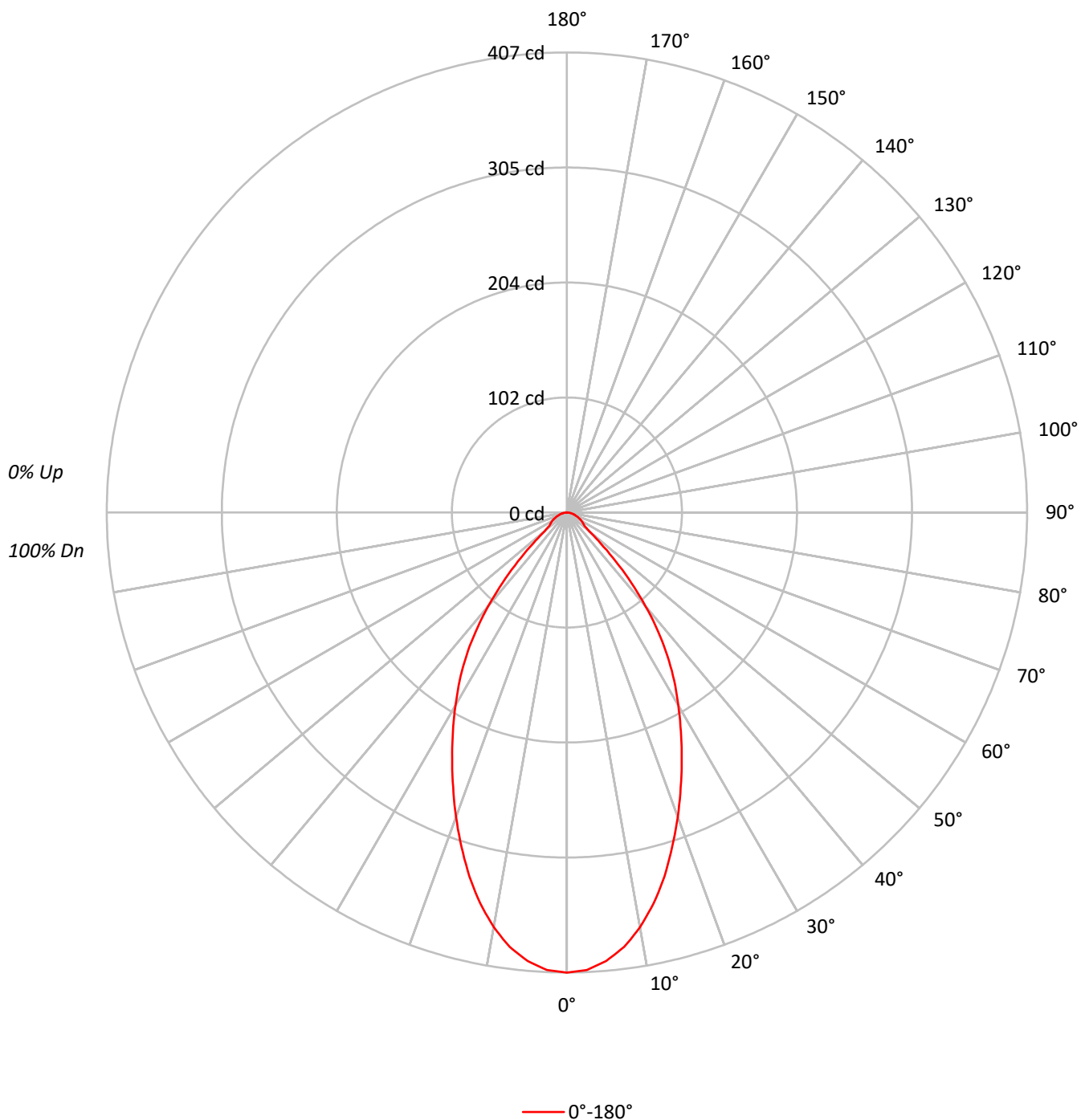
Lumens per Lamp: N/A
Luminaire Lumens: 421.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89269
5°	87673
10°	82964
15°	75664
20°	66902
25°	58116
30°	49881
35°	41573
40°	30972
45°	18948
50°	8767
55°	6881
60°	6578
65°	6019
70°	5578
75°	5338
80°	4925
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	8.8
10°-20°	92.8	22.0
20°-30°	110.3	26.2
30°-40°	95.8	22.8
40°-50°	48.0	11.4
50°-60°	16.7	4.0
60°-70°	11.7	2.8
70°-80°	6.5	1.6
80°-90°	2.0	0.5
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°	240.3	57.1
0°-40°	336.1	79.8
0°-60°	400.8	95.2
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	407	
5°	398	37
15°	333	93
25°	240	110
35°	155	96
45°	61	48
55°	18	17
65°	12	12
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	407.1
2.5°	405.1
5°	398.3
7.5°	387.7
10°	372.6
12.5°	354.2
15°	333.3
17.5°	310.0
20°	286.7
22.5°	263.0
25°	240.2
27.5°	218.3
30°	197.0
32.5°	176.6
35°	155.3
37.5°	132.5
40°	108.2
42.5°	84.4
45°	61.1
47.5°	40.3
50°	25.7
52.5°	19.9
55°	18.0
57.5°	16.5
60°	15.0
62.5°	13.6
65°	11.6
67.5°	10.2
70°	8.7
72.5°	7.3
75°	6.3
77.5°	4.9
80°	3.9
82.5°	2.9
85°	1.5
87.5°	1.0
90°	0.0

(END OF REPORT)