

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: P1246227

Luminaire Tested: P3A05R509024DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R509024DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

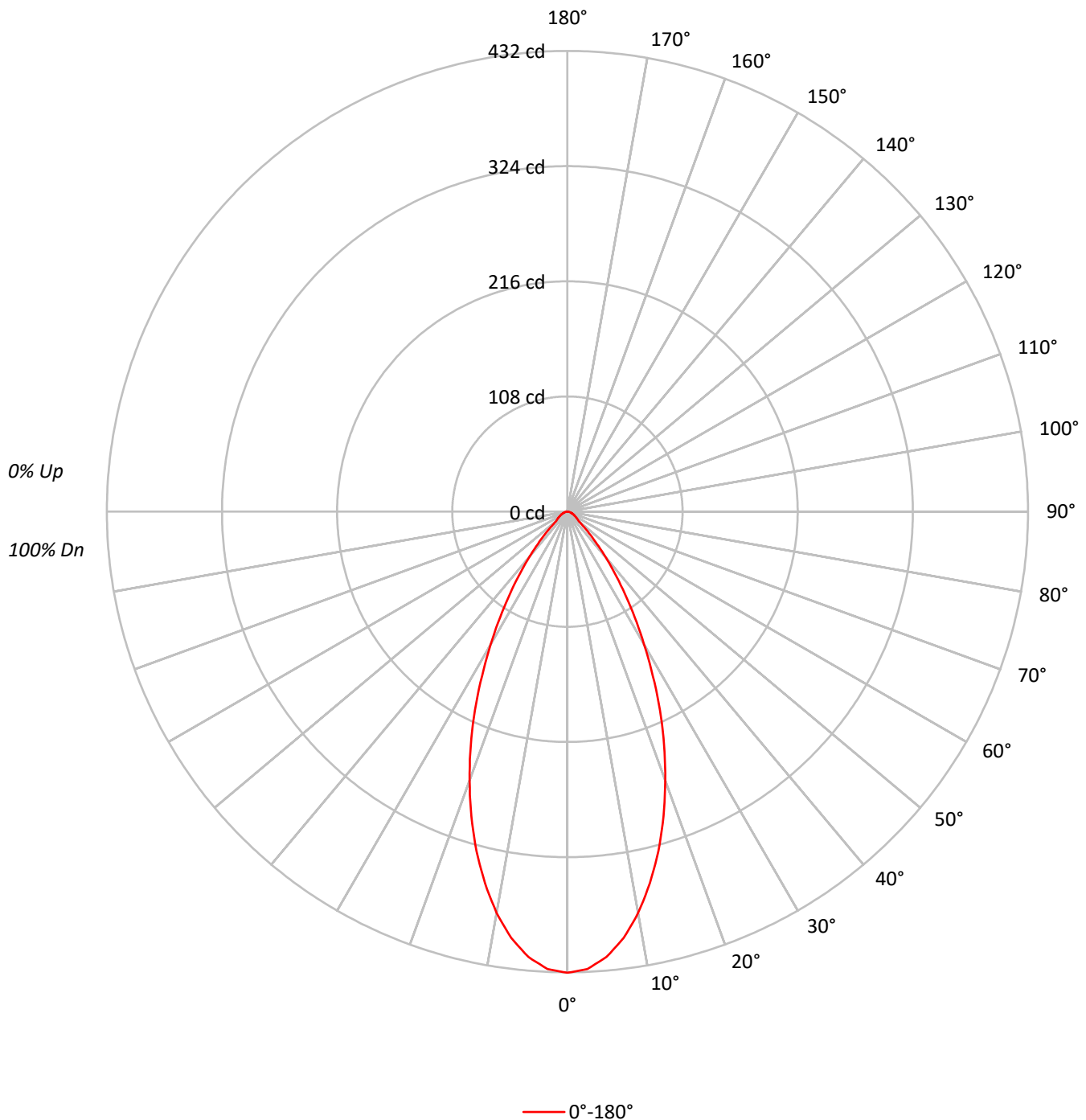
Lumens per Lamp: N/A
Luminaire Lumens: 326.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87			85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81			79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75			73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70			68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65			64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61			60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57			56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54			53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94817
5°	92274
10°	85080
15°	74824
20°	62609
25°	49648
30°	36411
35°	25029
40°	15916
45°	8900
50°	4810
55°	4052
60°	3465
65°	3217
70°	2821
75°	2626
80°	2273
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8900 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	11.9
10°-20°	91.3	28.0
20°-30°	93.4	28.6
30°-40°	59.2	18.2
40°-50°	23.6	7.2
50°-60°	9.5	2.9
60°-70°	6.1	1.9
70°-80°	3.1	1.0
80°-90°	1.0	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°	223.5	68.6
0°-40°	282.7	86.7
0°-60°	315.8	96.9
0°-90°	326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	432	
5°	419	39
15°	330	91
25°	205	93
35°	94	59
45°	29	24
55°	11	10
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	432.4
2.5°	429.3
5°	419.2
7.5°	403.3
10°	382.1
12.5°	356.9
15°	329.6
17.5°	299.6
20°	268.3
22.5°	236.9
25°	205.2
27.5°	173.4
30°	143.8
32.5°	117.4
35°	93.5
37.5°	73.2
40°	55.6
42.5°	41.0
45°	28.7
47.5°	19.4
50°	14.1
52.5°	11.9
55°	10.6
57.5°	9.3
60°	7.9
62.5°	7.1
65°	6.2
67.5°	5.3
70°	4.4
72.5°	3.5
75°	3.1
77.5°	2.2
80°	1.8
82.5°	1.3
85°	0.9
87.5°	0.4
90°	0.0

(END OF REPORT)