

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: P1246189

Luminaire Tested: P3A05R459024DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R459024DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

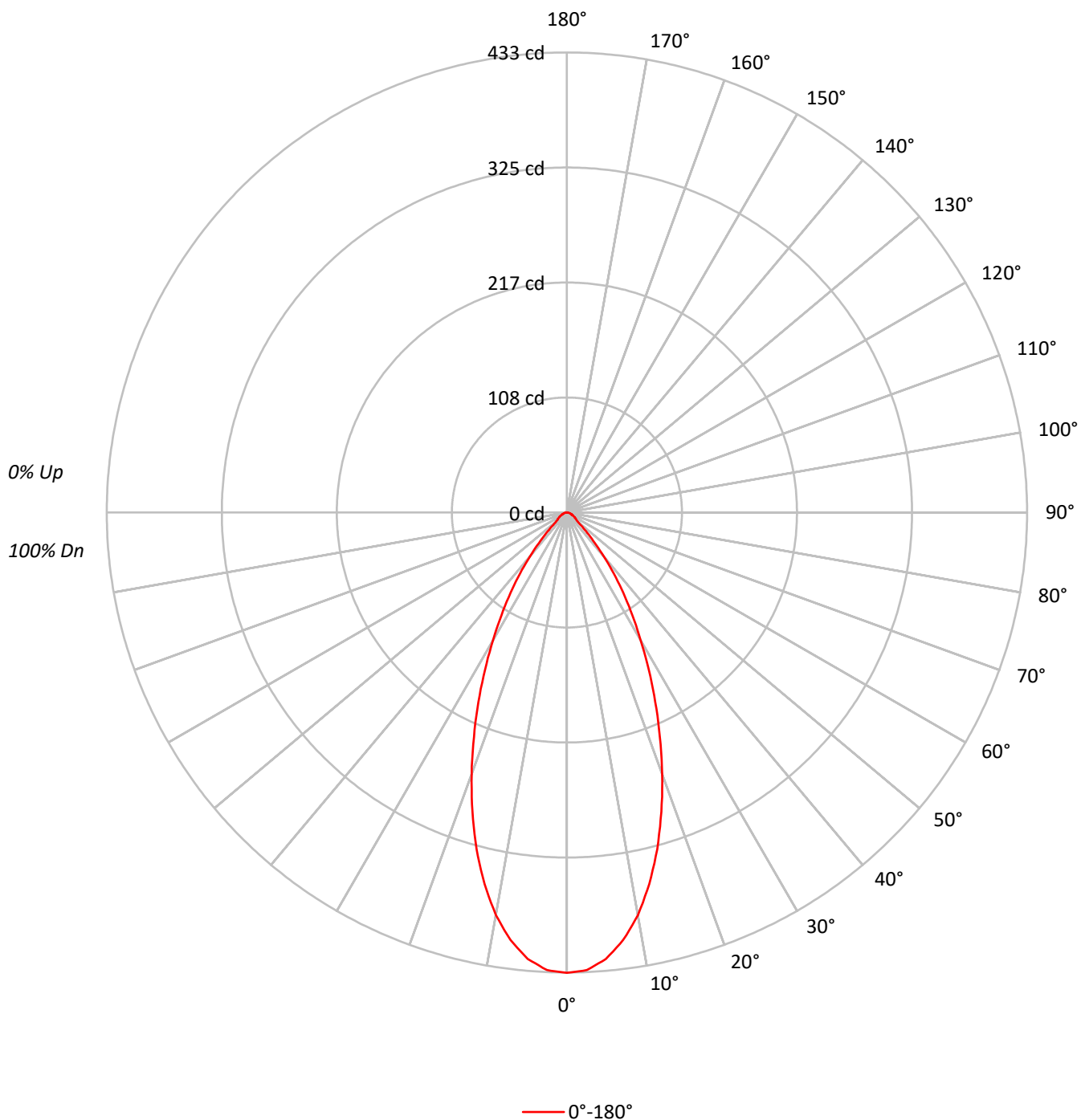
Lumens per Lamp: N/A
Luminaire Lumens: 319.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1246189

CATALOG NUMBER: P3A05R459024DE010 E3DL1WH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95014
5°	92846
10°	85659
15°	74484
20°	61185
25°	47616
30°	35145
35°	24735
40°	15429
45°	8373
50°	4537
55°	3900
60°	3508
65°	2958
70°	2565
75°	2626
80°	2273
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8373 cd/sqm

TEST NUMBER: P1246189

CATALOG NUMBER: P3A05R459024DE010 E3DL1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	12.2
10°-20°	90.7	28.4
20°-30°	90.0	28.2
30°-40°	58.0	18.2
40°-50°	22.3	7.0
50°-60°	9.1	2.9
60°-70°	5.7	1.8
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°	219.8	68.9
0°-40°	277.8	87.1
0°-60°	309.2	96.9
0°-90°	319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	433	
5°	422	39
15°	328	91
25°	197	90
35°	92	58
45°	27	22
55°	10	9
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	433.3
2.5°	431.1
5°	421.8
7.5°	405.9
10°	384.7
12.5°	358.1
15°	328.1
17.5°	295.4
20°	262.2
22.5°	228.6
25°	196.8
27.5°	166.7
30°	138.8
32.5°	114.5
35°	92.4
37.5°	72.5
40°	53.9
42.5°	38.9
45°	27.0
47.5°	18.1
50°	13.3
52.5°	11.1
55°	10.2
57.5°	8.8
60°	8.0
62.5°	6.6
65°	5.7
67.5°	4.9
70°	4.0
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)