

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: P1248538

Luminaire Tested: P3AS05R409027DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409027DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

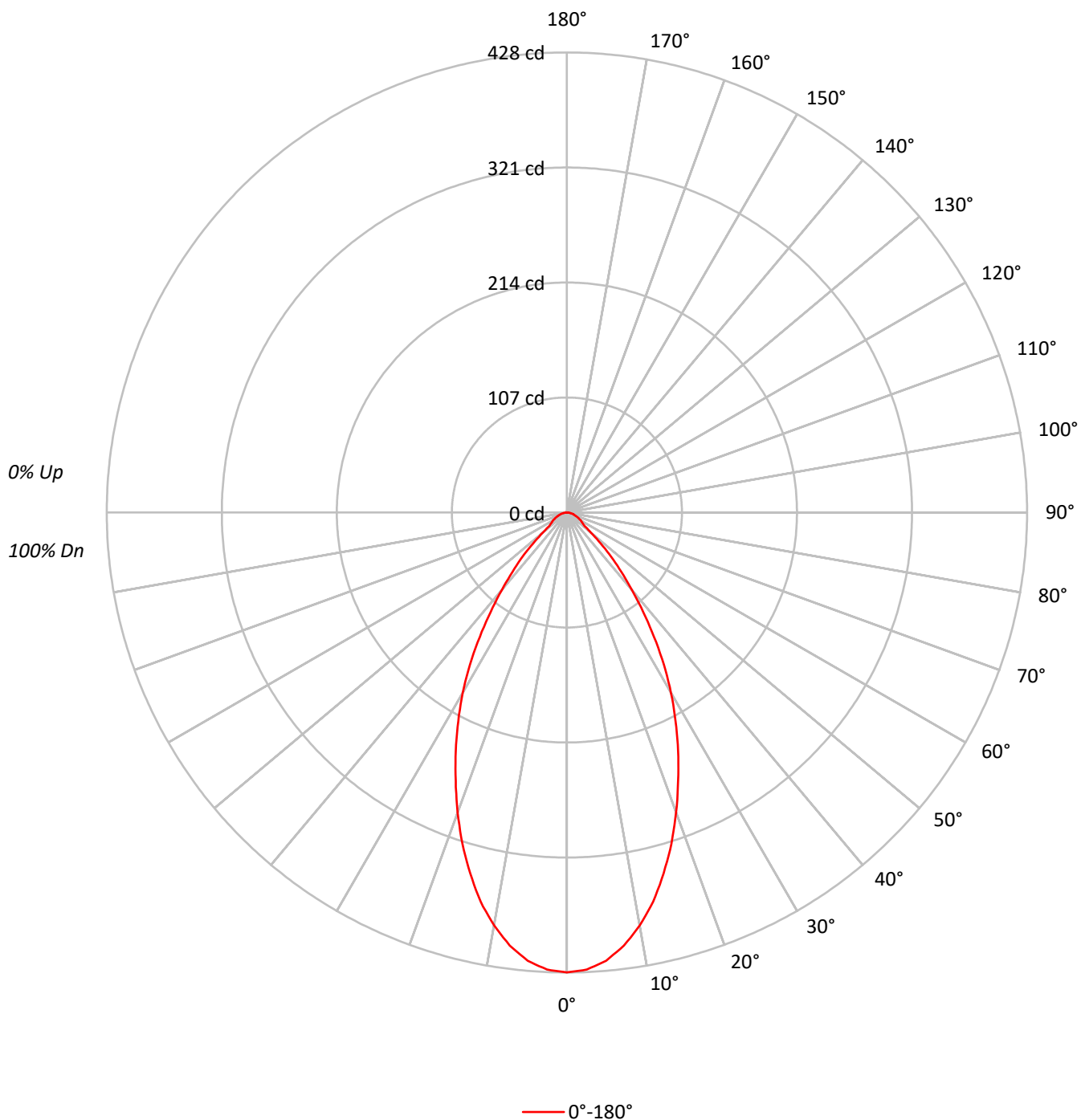
Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93830
5°	92142
10°	86839
15°	78888
20°	69306
25°	59181
30°	49020
35°	37798
40°	26908
45°	18141
50°	9893
55°	6958
60°	6578
65°	6071
70°	5386
75°	5168
80°	4167
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	9.3
10°-20°	96.8	23.2
20°-30°	111.9	26.8
30°-40°	88.2	21.1
40°-50°	45.3	10.8
50°-60°	17.3	4.1
60°-70°	11.4	2.7
70°-80°	6.2	1.5
80°-90°	1.8	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°	247.7	59.3
0°-40°	335.9	80.4
0°-60°	398.5	95.3
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	428	
5°	419	39
15°	348	97
25°	245	112
35°	141	88
45°	58	45
55°	18	17
65°	12	11
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	427.9
2.5°	425.6
5°	418.6
7.5°	406.4
10°	390.0
12.5°	370.9
15°	347.5
17.5°	323.2
20°	297.0
22.5°	270.3
25°	244.6
27.5°	218.9
30°	193.6
32.5°	167.9
35°	141.2
37.5°	116.4
40°	94.0
42.5°	74.8
45°	58.5
47.5°	42.6
50°	29.0
52.5°	21.0
55°	18.2
57.5°	16.4
60°	15.0
62.5°	13.1
65°	11.7
67.5°	9.8
70°	8.4
72.5°	7.0
75°	6.1
77.5°	4.7
80°	3.3
82.5°	2.8
85°	1.4
87.5°	0.9
90°	0.0

(END OF REPORT)