

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: P1263472

Luminaire Tested: P3A20R409727D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263472
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: P3A20R409727D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

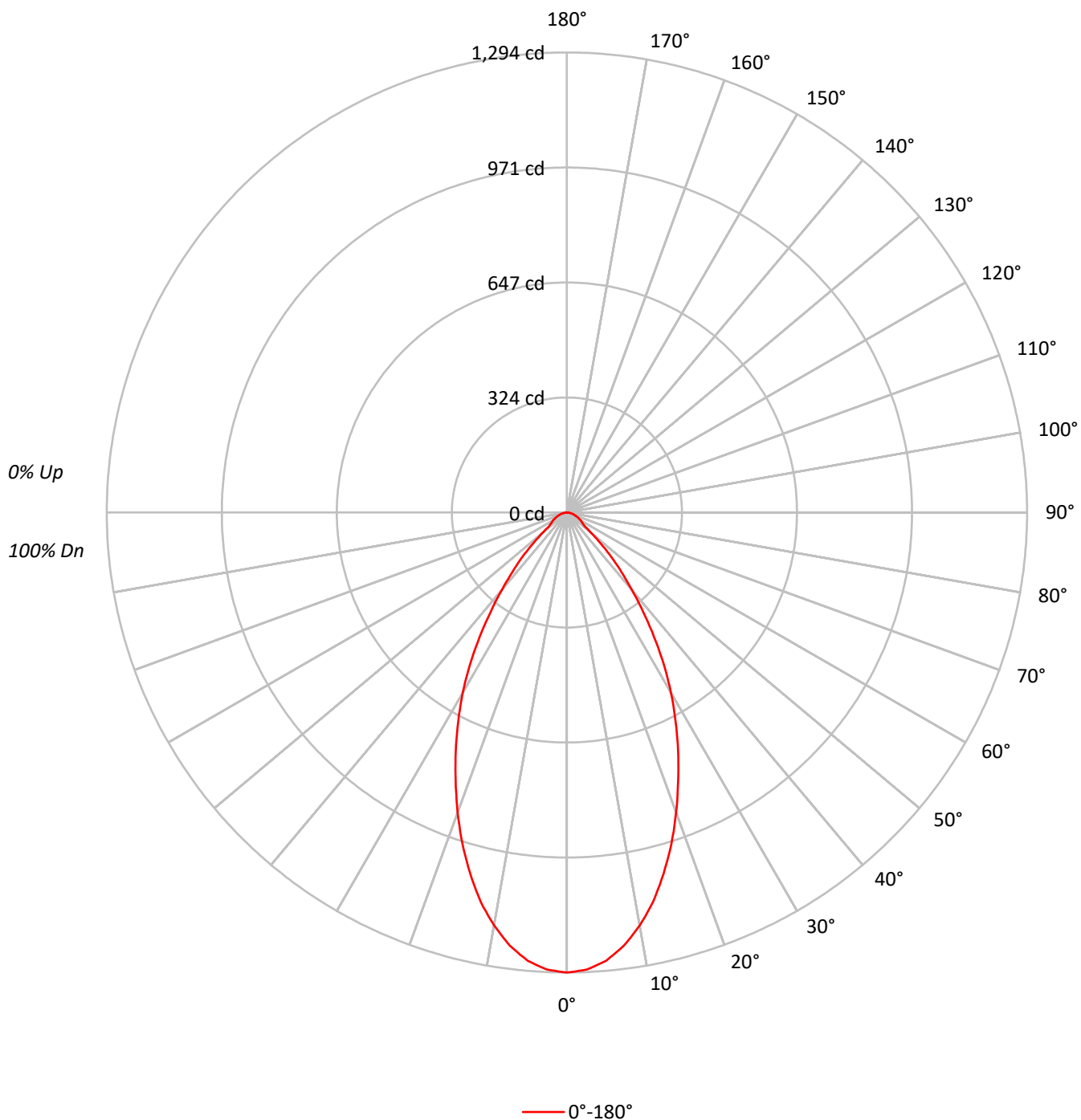
Lumens per Lamp: N/A
Luminaire Lumens: 1264.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59		
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	283749
5°	278604
10°	262609
15°	238526
20°	209552
25°	178946
30°	148251
35°	114331
40°	81352
45°	54827
50°	29918
55°	21103
60°	19867
65°	18368
70°	16349
75°	15589
80°	12502
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54827 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	9.3
10°-20°	292.7	23.2
20°-30°	338.4	26.8
30°-40°	266.7	21.1
40°-50°	136.9	10.8
50°-60°	52.3	4.1
60°-70°	34.6	2.7
70°-80°	18.8	1.5
80°-90°	5.6	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°	749.1	59.3
0°-40°	1015.8	80.4
0°-60°	1205.0	95.3
0°-90°	1264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1294	
5°	1266	118
15°	1051	293
25°	740	338
35°	427	267
45°	177	137
55°	55	52
65°	35	35
75°	18	19
85°	4	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1294.0
2.5°	1286.9
5°	1265.7
7.5°	1228.9
10°	1179.4
12.5°	1121.4
15°	1050.7
17.5°	977.2
20°	898.0
22.5°	817.4
25°	739.6
27.5°	661.8
30°	585.5
32.5°	507.7
35°	427.1
37.5°	352.1
40°	284.2
42.5°	226.3
45°	176.8
47.5°	128.7
50°	87.7
52.5°	63.6
55°	55.2
57.5°	49.5
60°	45.3
62.5°	39.6
65°	35.4
67.5°	29.7
70°	25.5
72.5°	21.2
75°	18.4
77.5°	14.1
80°	9.9
82.5°	8.5
85°	4.2
87.5°	2.8
90°	0.0

(END OF REPORT)