

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: P1247728

Luminaire Tested: P3A20R509024D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509024D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

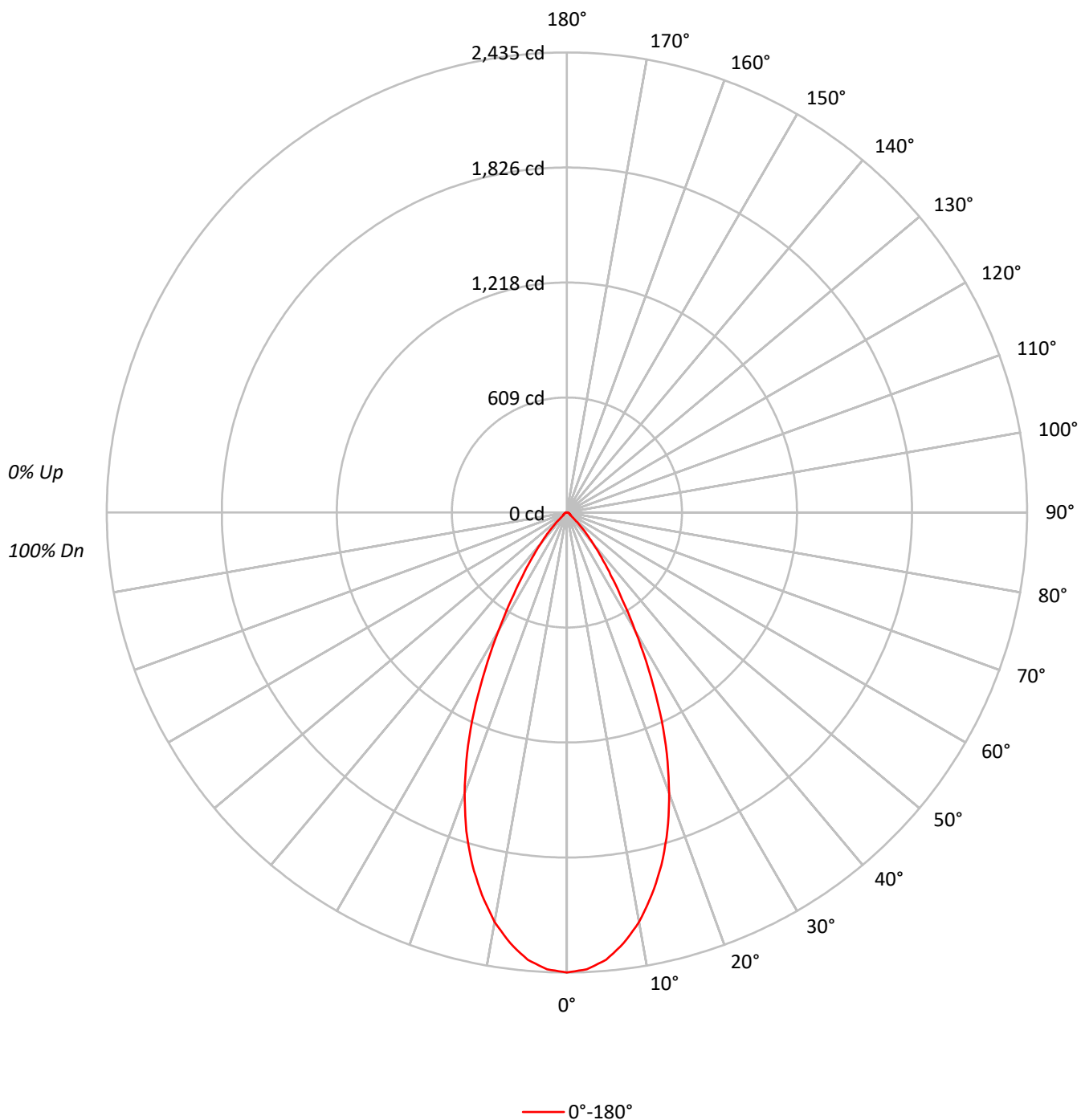
Lumens per Lamp: N/A
Luminaire Lumens: 1677.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	533927
5°	523155
10°	490038
15°	438686
20°	369165
25°	281750
30°	183117
35°	108576
40°	62746
45°	31445
50°	11701
55°	9137
60°	8508
65°	7731
70°	7629
75°	7540
80°	7577
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 31445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	13.2
10°-20°	534.4	31.9
20°-30°	524.3	31.3
30°-40°	264.1	15.7
40°-50°	83.5	5.0
50°-60°	21.6	1.3
60°-70°	15.3	0.9
70°-80°	9.4	0.6
80°-90°	3.3	0.2
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°	1279.8	76.3
0°-40°	1543.9	92.1
0°-60°	1649.0	98.3
0°-90°	1677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2435	
5°	2377	221
15°	1932	534
25°	1164	524
35°	406	264
45°	101	83
55°	24	22
65°	15	15
75°	9	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2434.9
2.5°	2420.0
5°	2376.7
7.5°	2299.2
10°	2200.8
12.5°	2074.1
15°	1932.4
17.5°	1768.4
20°	1582.0
22.5°	1380.7
25°	1164.5
27.5°	934.9
30°	723.2
32.5°	544.2
35°	405.6
37.5°	299.7
40°	219.2
42.5°	155.1
45°	101.4
47.5°	58.2
50°	34.3
52.5°	25.3
55°	23.9
57.5°	20.9
60°	19.4
62.5°	17.9
65°	14.9
67.5°	13.4
70°	11.9
72.5°	10.4
75°	8.9
77.5°	7.5
80°	6.0
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)