

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: P1270541

Luminaire Tested: P3A20R309740D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

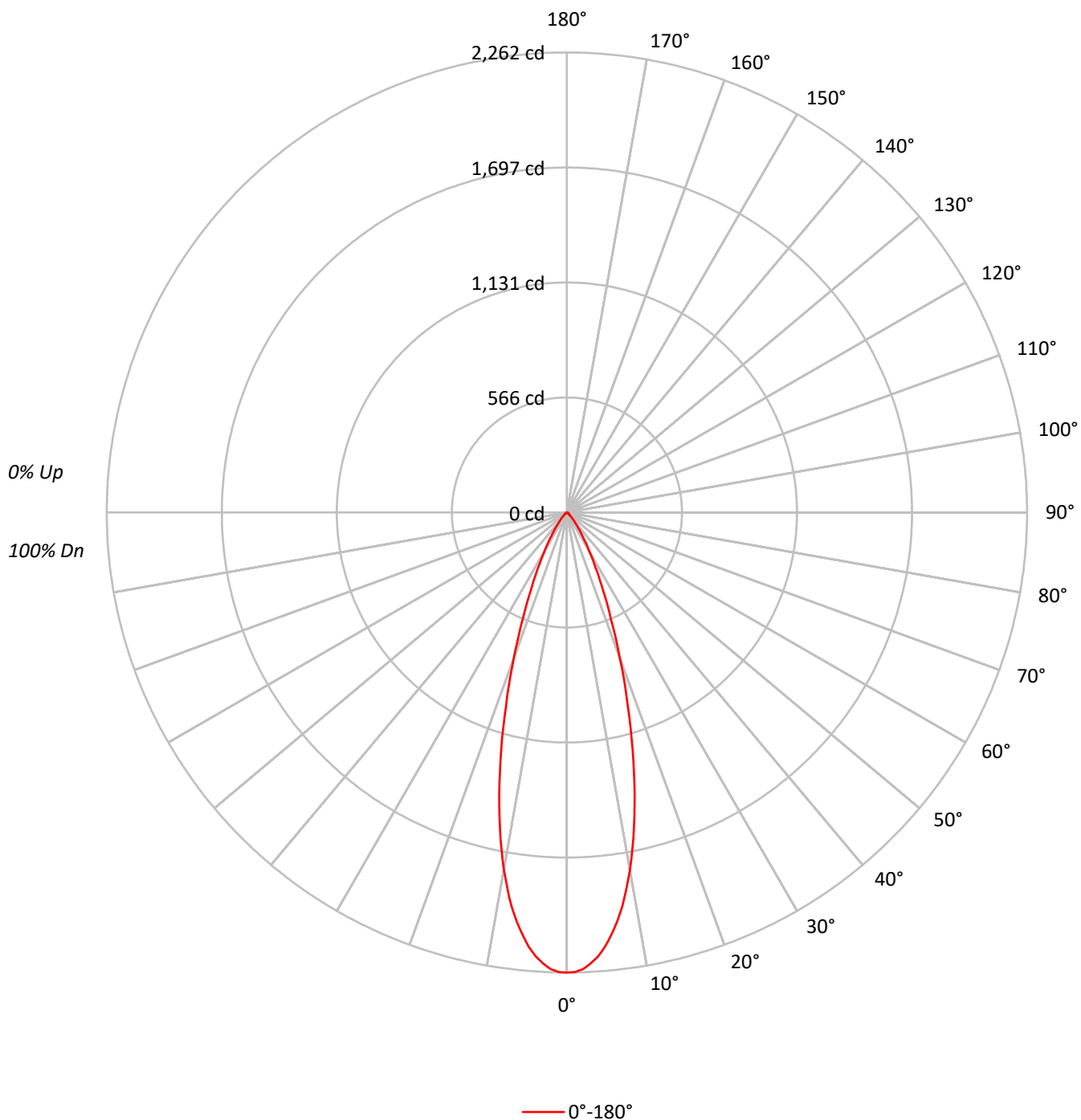
Lumens per Lamp: N/A
Luminaire Lumens: 849.9 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	495991
5°	472088
10°	397098
15°	286381
20°	177629
25°	101014
30°	56110
35°	30517
40°	16087
45°	8714
50°	4674
55°	3058
60°	2807
65°	2906
70°	2565
75°	2033
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	22.7
10°-20°	343.3	40.4
20°-30°	198.4	23.3
30°-40°	75.3	8.9
40°-50°	23.1	2.7
50°-60°	7.8	0.9
60°-70°	5.2	0.6
70°-80°	2.8	0.3
80°-90°	0.9	0.1
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°	734.8	86.5
0°-40°	810.1	95.3
0°-60°	841.0	98.9
0°-90°	849.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2262	
5°	2145	193
15°	1262	343
25°	418	198
35°	114	75
45°	28	23
55°	8	8
65°	6	5
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2261.9
1°	2260.3
2°	2246.7
3°	2221.0
4°	2188.9
5°	2144.7
6°	2088.5
7°	2025.9
8°	1956.0
9°	1872.5
10°	1783.4
11°	1687.0
12°	1585.0
13°	1478.3
14°	1369.9
15°	1261.5
17.5°	994.9
20°	761.2
22.5°	564.5
25°	417.5
27.5°	303.5
30°	221.6
32.5°	159.8
35°	114.0
37.5°	79.5
40°	56.2
42.5°	39.3
45°	28.1
47.5°	19.3
50°	13.7
52.5°	9.6
55°	8.0
57.5°	7.2
60°	6.4
62.5°	5.6
65°	5.6
67.5°	4.8
70°	4.0
72.5°	3.2
75°	2.4
77.5°	2.4
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)