

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: P1270667

Luminaire Tested: P3A20R509740D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509740D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

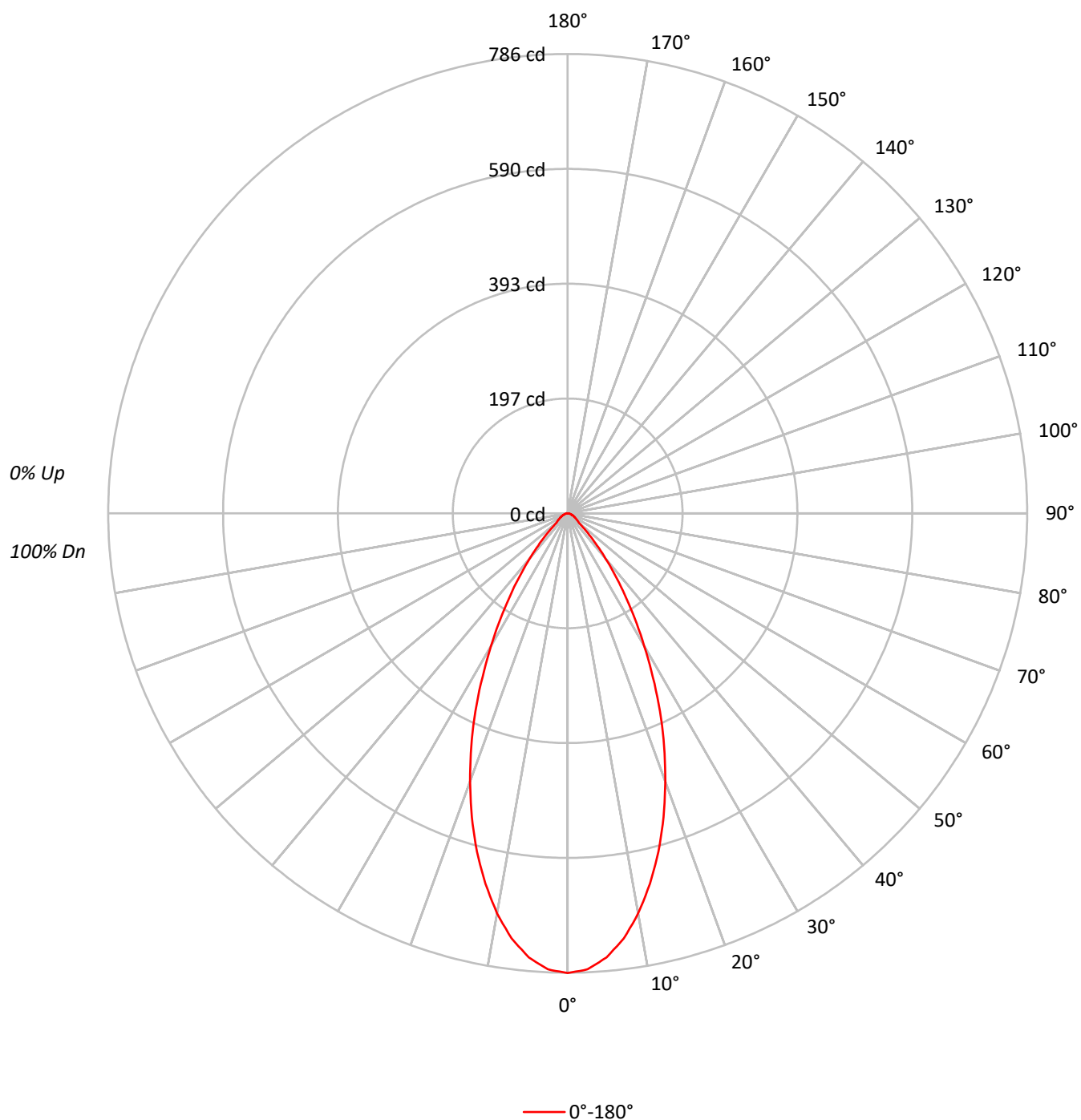
Lumens per Lamp: N/A
Luminaire Lumens: 592.9 lumens
Efficiency: N/A
Efficacy: 20.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172464
5°	167840
10°	154751
15°	136096
20°	113877
25°	90296
30°	66238
35°	45534
40°	28940
45°	16188
50°	8767
55°	7378
60°	6315
65°	5811
70°	5129
75°	4745
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16188 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	11.9
10°-20°	166.0	28.0
20°-30°	169.8	28.6
30°-40°	107.7	18.2
40°-50°	42.8	7.2
50°-60°	17.4	2.9
60°-70°	11.1	1.9
70°-80°	5.7	1.0
80°-90°	1.7	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°	406.5	68.6
0°-40°	514.2	86.7
0°-60°	574.4	96.9
0°-90°	592.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	786	
5°	762	71
15°	600	166
25°	373	170
35°	170	108
45°	52	43
55°	19	17
65°	11	11
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	786.5
2.5°	780.9
5°	762.5
7.5°	733.6
10°	695.0
12.5°	649.3
15°	599.5
17.5°	545.0
20°	488.0
22.5°	431.0
25°	373.2
27.5°	315.4
30°	261.6
32.5°	213.5
35°	170.1
37.5°	133.2
40°	101.1
42.5°	74.6
45°	52.2
47.5°	35.3
50°	25.7
52.5°	21.7
55°	19.3
57.5°	16.9
60°	14.4
62.5°	12.8
65°	11.2
67.5°	9.6
70°	8.0
72.5°	6.4
75°	5.6
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)