

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: P1270451

Luminaire Tested: P3A20R159740D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159740D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

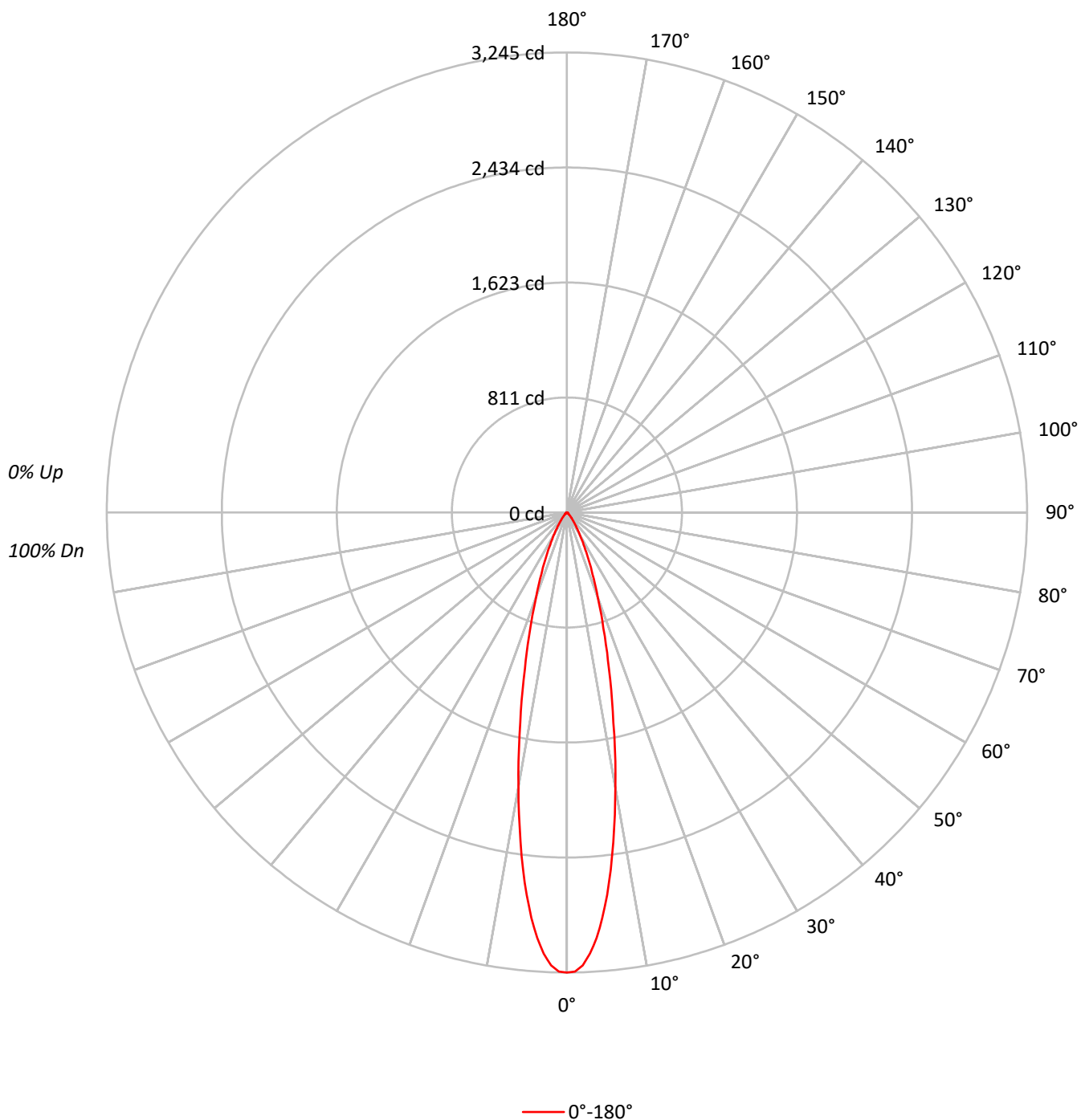
Lumens per Lamp: N/A
Luminaire Lumens: 833.0 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	86	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	711610
5°	631651
10°	438647
15°	259411
20°	147736
25°	84465
30°	46741
35°	24922
40°	13769
45°	7474
50°	4640
55°	3670
60°	3158
65°	2906
70°	2565
75°	2711
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7474 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	29.3
10°-20°	322.0	38.7
20°-30°	165.8	19.9
30°-40°	62.3	7.5
40°-50°	20.4	2.4
50°-60°	8.7	1.0
60°-70°	5.5	0.7
70°-80°	3.3	0.4
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°	731.9	87.9
0°-40°	794.2	95.3
0°-60°	823.3	98.8
0°-90°	833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3245	
5°	2870	244
15°	1143	322
25°	349	166
35°	93	62
45°	24	20
55°	10	9
65°	6	6
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3245.2
1°	3238.7
2°	3196.2
3°	3115.2
4°	3008.4
5°	2869.6
6°	2712.3
7°	2539.8
8°	2348.0
9°	2158.6
10°	1970.0
12.5°	1515.9
15°	1142.7
17.5°	855.4
20°	633.1
22.5°	472.7
25°	349.1
27.5°	254.4
30°	184.6
32.5°	130.8
35°	93.1
37.5°	66.6
40°	48.1
42.5°	34.5
45°	24.1
47.5°	17.7
50°	13.6
52.5°	11.2
55°	9.6
57.5°	8.0
60°	7.2
62.5°	6.4
65°	5.6
67.5°	4.8
70°	4.0
72.5°	4.0
75°	3.2
77.5°	2.4
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)