

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: P1270483

Luminaire Tested: P3A20R209740D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209740D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

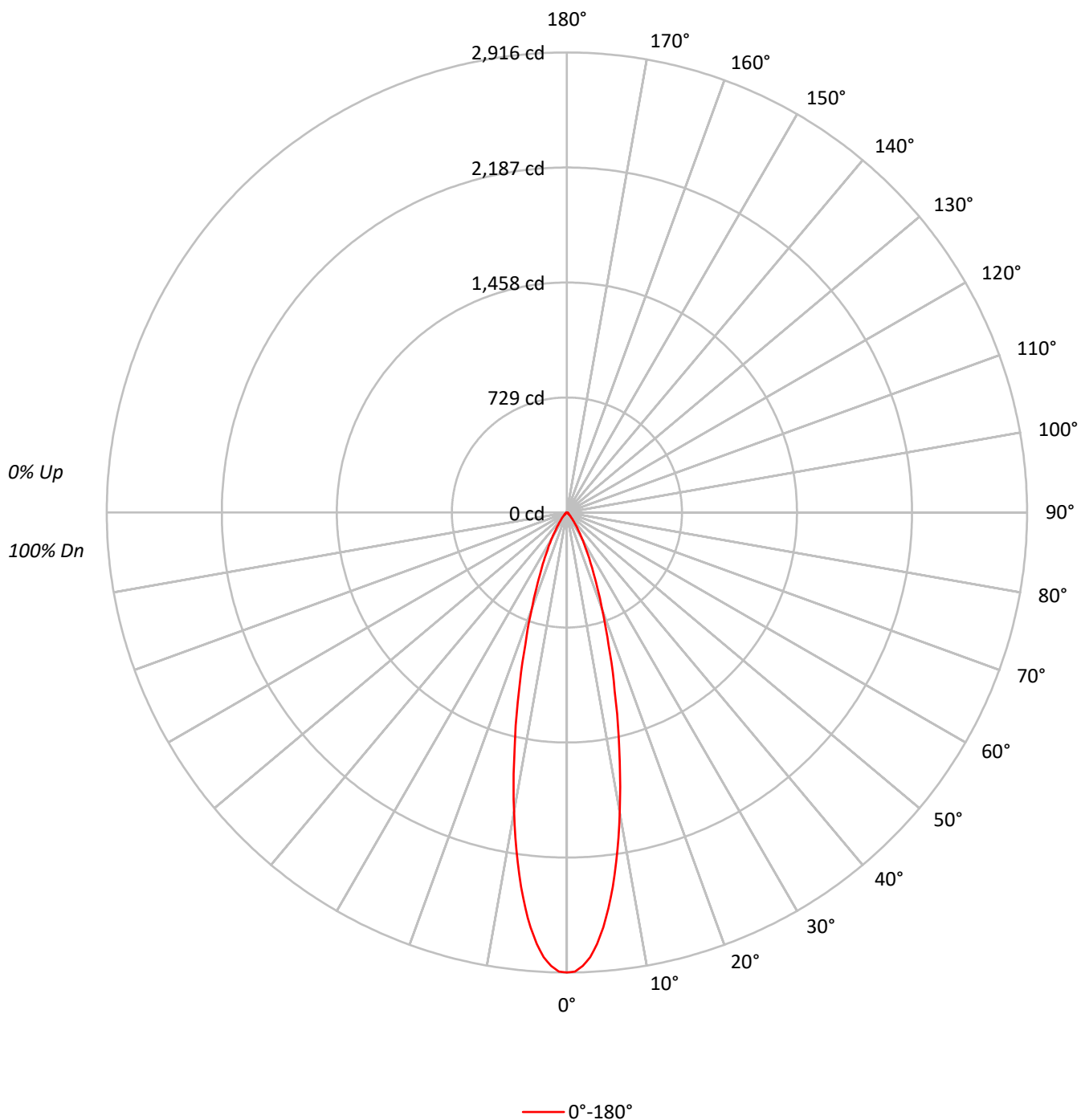
Lumens per Lamp: N/A
Luminaire Lumens: 830.9 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1270483

CATALOG NUMBER: P3A20R209740D010 E3DL1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1270483

CATALOG NUMBER: P3A20R209740D010 E3DL1GPH

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83		
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79		
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68		
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	639357
5°	581200
10°	429540
15°	265722
20°	151750
25°	86618
30°	48590
35°	26421
40°	14484
45°	7970
50°	4640
55°	3364
60°	3158
65°	2906
70°	2565
75°	2711
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7970 cd/sqm

TEST NUMBER: P1270483

CATALOG NUMBER: P3A20R209740D010 E3DL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	27.5
10°-20°	326.4	39.3
20°-30°	170.4	20.5
30°-40°	65.9	7.9
40°-50°	21.4	2.6
50°-60°	8.4	1.0
60°-70°	5.5	0.7
70°-80°	3.3	0.4
80°-90°	1.1	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°	725.4	87.3
0°-40°	791.3	95.2
0°-60°	821.0	98.8
0°-90°	830.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2916	
5°	2640	229
15°	1170	326
25°	358	170
35°	99	66
45°	26	21
55°	9	8
65°	6	6
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1270483

CATALOG NUMBER: P3A20R209740D010 E3DL1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2915.7
1°	2910.1
2°	2875.6
3°	2822.6
4°	2740.7
5°	2640.4
6°	2521.5
7°	2389.9
8°	2237.4
9°	2088.8
10°	1929.1
12.5°	1533.3
15°	1170.5
17.5°	875.8
20°	650.3
22.5°	481.7
25°	358.0
27.5°	264.1
30°	191.9
32.5°	138.9
35°	98.7
37.5°	71.4
40°	50.6
42.5°	36.1
45°	25.7
47.5°	18.5
50°	13.6
52.5°	10.4
55°	8.8
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°	0.8
90°	0.0

(END OF REPORT)