

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: P1270553

Luminaire Tested: P3A20R309740D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

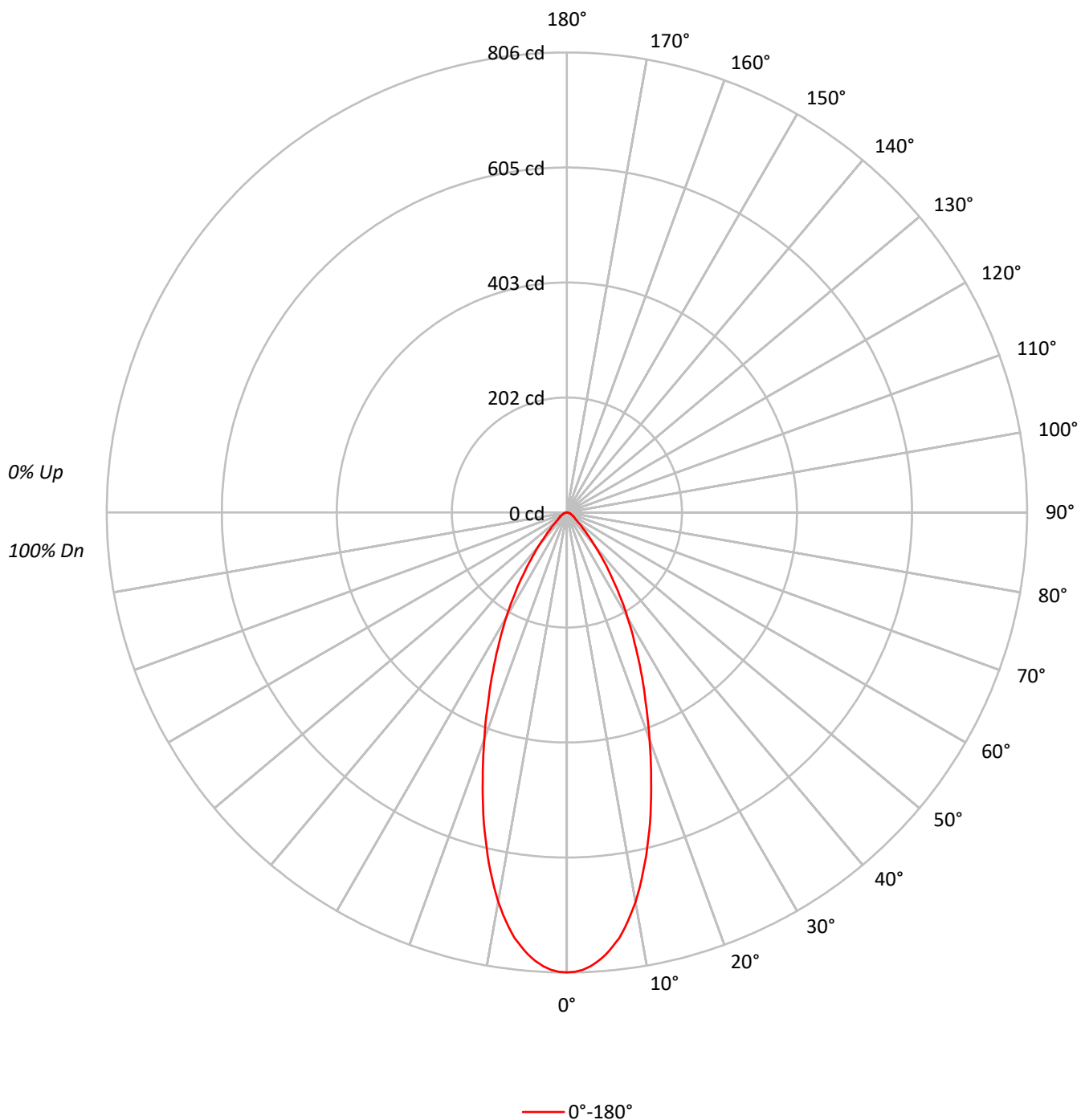
Lumens per Lamp: N/A
Luminaire Lumens: 516.9 lumens
Efficiency: N/A
Efficacy: 17.9 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270553

CATALOG NUMBER: P3A20R309740D010 E3DLP1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1270553

CATALOG NUMBER: P3A20R309740D010 E3DLP1GPH

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	84	78	73	90	83	77	73	81	76	72		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	74	68	64	72	67	63		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		68	63	60		67
9	76	67	61	57	75	66	60	57	65	60	56		64	60	56		63
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176674
5°	171164
10°	154217
15°	127583
20°	98779
25°	74085
30°	53780
35°	35844
40°	22041
45°	12932
50°	7914
55°	6423
60°	5614
65°	4566
70°	4103
75°	4067
80°	3031
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12932 cd/sqm

TEST NUMBER: P1270553

CATALOG NUMBER: P3A20R309740D010 E3DLP1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	13.8
10°-20°	154.8	29.9
20°-30°	140.8	27.2
30°-40°	85.1	16.5
40°-50°	34.1	6.6
50°-60°	15.1	2.9
60°-70°	9.1	1.8
70°-80°	5.0	1.0
80°-90°	1.4	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°	367.1	71.0
0°-40°	452.2	87.5
0°-60°	501.5	97.0
0°-90°	516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	806	
5°	778	72
15°	562	155
25°	306	141
35°	134	85
45°	42	34
55°	17	15
65°	9	9
75°	5	5
85°	2	1
90°	0	

TEST NUMBER: P1270553

CATALOG NUMBER: P3A20R309740D010 E3DLP1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	805.7
1°	804.9
2°	801.7
3°	796.1
4°	788.0
5°	777.6
6°	764.8
7°	751.2
8°	733.5
9°	713.5
10°	692.6
11°	668.6
12°	642.9
13°	617.3
14°	589.2
15°	562.0
17.5°	490.6
20°	423.3
22.5°	360.7
25°	306.2
27.5°	256.5
30°	212.4
32.5°	171.6
35°	133.9
37.5°	102.6
40°	77.0
42.5°	56.1
45°	41.7
47.5°	31.3
50°	23.2
52.5°	18.4
55°	16.8
57.5°	14.4
60°	12.8
62.5°	10.4
65°	8.8
67.5°	8.0
70°	6.4
72.5°	5.6
75°	4.8
77.5°	4.0
80°	2.4
82.5°	1.6
85°	1.6
87.5°	0.8



TEST NUMBER: P1270553

CATALOG NUMBER: P3A20R309740D010 E3DLP1GPH

CANDELA DISTRIBUTION (continued):



(END OF REPORT)