

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: P1270539

Luminaire Tested: P3A20R309740D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

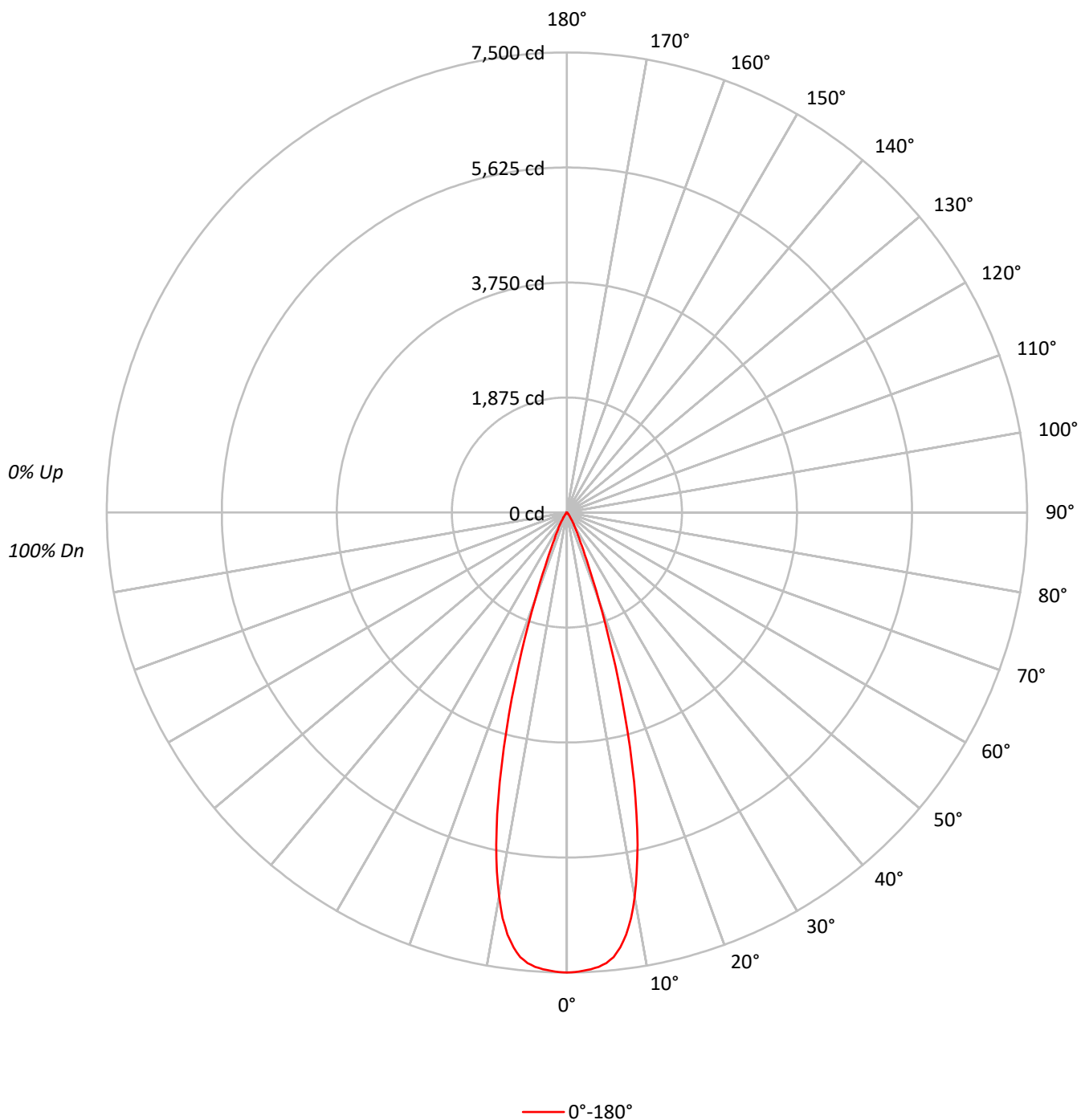
Lumens per Lamp: N/A
Luminaire Lumens: 2067.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270539

CATALOG NUMBER: P3A20R309740D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1270539

CATALOG NUMBER: P3A20R309740D010 E3D1WH

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1644561
5°	1623130
10°	1417141
15°	900754
20°	356868
25°	119208
30°	55452
35°	25136
40°	9647
45°	4714
50°	1365
55°	612
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4714 cd/sqm

TEST NUMBER: P1270539

CATALOG NUMBER: P3A20R309740D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.2	32.6
10°-20°	1045.5	50.6
20°-30°	269.6	13.0
30°-40°	63.3	3.1
40°-50°	12.3	0.6
50°-60°	1.4	0.1
60°-70°	0.7	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1989.2	96.2
0°-40°	2052.5	99.3
0°-60°	2066.3	100.0
0°-90°	2067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7500	
5°	7374	674
15°	3968	1045
25°	493	270
35°	94	63
45°	15	12
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270539

CATALOG NUMBER: P3A20R309740D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	7499.8
1°	7494.2
2°	7476.6
3°	7456.5
4°	7426.8
5°	7373.9
6°	7288.0
7°	7145.2
8°	6950.2
9°	6695.8
10°	6364.5
11°	5970.5
12°	5540.4
13°	5045.4
14°	4527.0
15°	3967.8
16°	3419.7
17°	2891.8
18°	2385.5
19°	1920.9
20°	1529.3
21°	1203.6
22°	946.8
23°	749.4
24°	600.2
25°	492.7
26°	410.8
27°	349.0
28°	301.7
29°	258.4
30°	219.0
32.5°	138.0
35°	93.9
37.5°	58.6
40°	33.7
42.5°	22.5
45°	15.2
47.5°	8.8
50°	4.0
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8



TEST NUMBER: P1270539

CATALOG NUMBER: P3A20R309740D010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)