

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: P1265546

Luminaire Tested: P3A17R559730DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559730DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

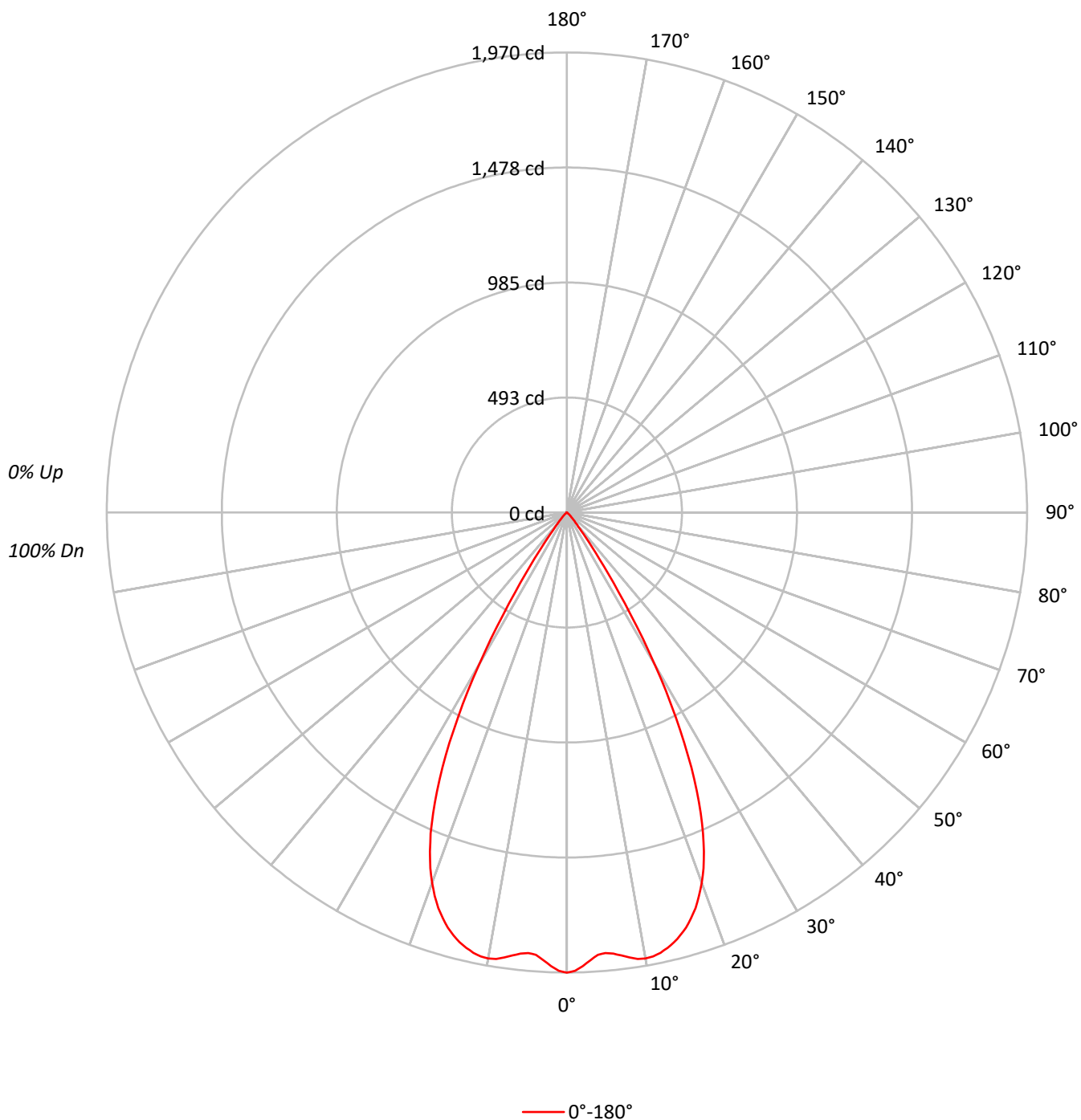
Lumens per Lamp: N/A
Luminaire Lumens: 1490.1 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1265546

CATALOG NUMBER: P3A17R559730DE010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1265546

CATALOG NUMBER: P3A17R559730DE010 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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	65	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432093
5°	416794
10°	431700
15°	425610
20°	393901
25°	318575
30°	190915
35°	64701
40°	17833
45°	7908
50°	2320
55°	421
60°	263
65°	311
70°	385
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7908 cd/sqm

TEST NUMBER: P1265546

CATALOG NUMBER: P3A17R559730DE010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	12.3
10°-20°	522.0	35.0
20°-30°	580.2	38.9
30°-40°	180.6	12.1
40°-50°	21.7	1.5
50°-60°	1.7	0.1
60°-70°	0.6	0.0
70°-80°	0.1	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°	1285.4	86.3
0°-40°	1466.0	98.4
0°-60°	1489.4	100.0
0°-90°	1490.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1490.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1970	
5°	1894	183
15°	1875	522
25°	1317	580
35°	242	181
45°	26	22
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1265546

CATALOG NUMBER: P3A17R559730DE010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1970.5
1°	1963.1
2°	1943.9
3°	1920.1
4°	1898.6
5°	1893.5
6°	1899.1
7°	1911.0
8°	1924.6
9°	1935.4
10°	1938.8
11°	1936.5
12°	1927.4
13°	1913.3
14°	1896.9
15°	1874.8
16°	1849.3
17°	1817.1
18°	1780.8
19°	1737.2
20°	1688.0
21°	1632.0
22°	1565.7
23°	1492.7
24°	1408.9
25°	1316.7
26°	1215.3
27°	1107.8
28°	992.9
29°	874.6
30°	754.0
31°	632.9
32°	514.5
32.5°	461.9
33°	407.6
34°	315.3
35°	241.7
36°	184.0
37°	136.4
37.5°	116.6
38°	101.3
39°	77.0
40°	62.3
42.5°	39.6
45°	25.5



TEST NUMBER: P1265546

CATALOG NUMBER: P3A17R559730DE010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.3
50°	6.8
52.5°	2.3
55°	1.1
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)