

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: P1263546

Luminaire Tested: P3A20R559727D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263546
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: P3A20R559727D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

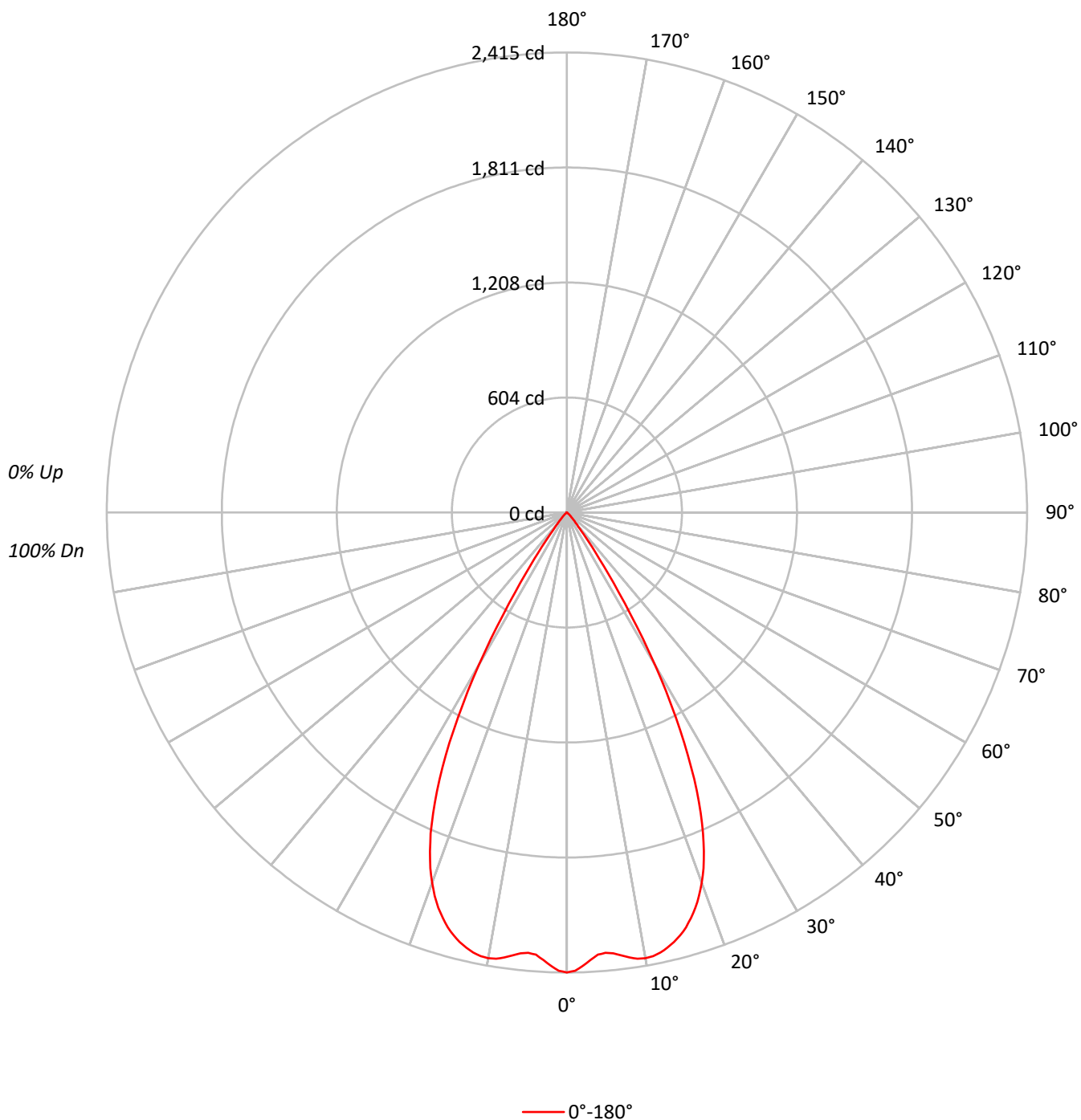
Lumens per Lamp: N/A
Luminaire Lumens: 1826.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	66	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°	529519
5°	510784
10°	529048
15°	521592
20°	482715
25°	390410
30°	233960
35°	79290
40°	21841
45°	9675
50°	2831
55°	535
60°	307
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	12.3
10°-20°	639.7	35.0
20°-30°	711.1	38.9
30°-40°	221.4	12.1
40°-50°	26.6	1.5
50°-60°	2.1	0.1
60°-70°	0.7	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°	1575.2	86.3
0°-40°	1796.6	98.4
0°-60°	1825.2	100.0
0°-90°	1826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2415	
5°	2320	225
15°	2298	640
25°	1614	711
35°	296	221
45°	31	27
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2414.8
1°	2405.8
2°	2382.2
3°	2353.1
4°	2326.7
5°	2320.5
6°	2327.4
7°	2342.0
8°	2358.6
9°	2371.8
10°	2376.0
11°	2373.2
12°	2362.1
13°	2344.7
14°	2324.6
15°	2297.6
16°	2266.3
17°	2226.8
18°	2182.4
19°	2129.0
20°	2068.6
21°	2000.0
22°	1918.8
23°	1829.3
24°	1726.6
25°	1613.6
26°	1489.4
27°	1357.6
28°	1216.8
29°	1071.8
30°	924.0
31°	775.6
32°	630.6
32.5°	566.1
33°	499.5
34°	386.4
35°	296.2
36°	225.5
37°	167.2
37.5°	142.9
38°	124.2
39°	94.3
40°	76.3
42.5°	48.6
45°	31.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	18.7
50°	8.3
52.5°	2.8
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)