

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: P1270508

Luminaire Tested: P3A20R259740D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R259740D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

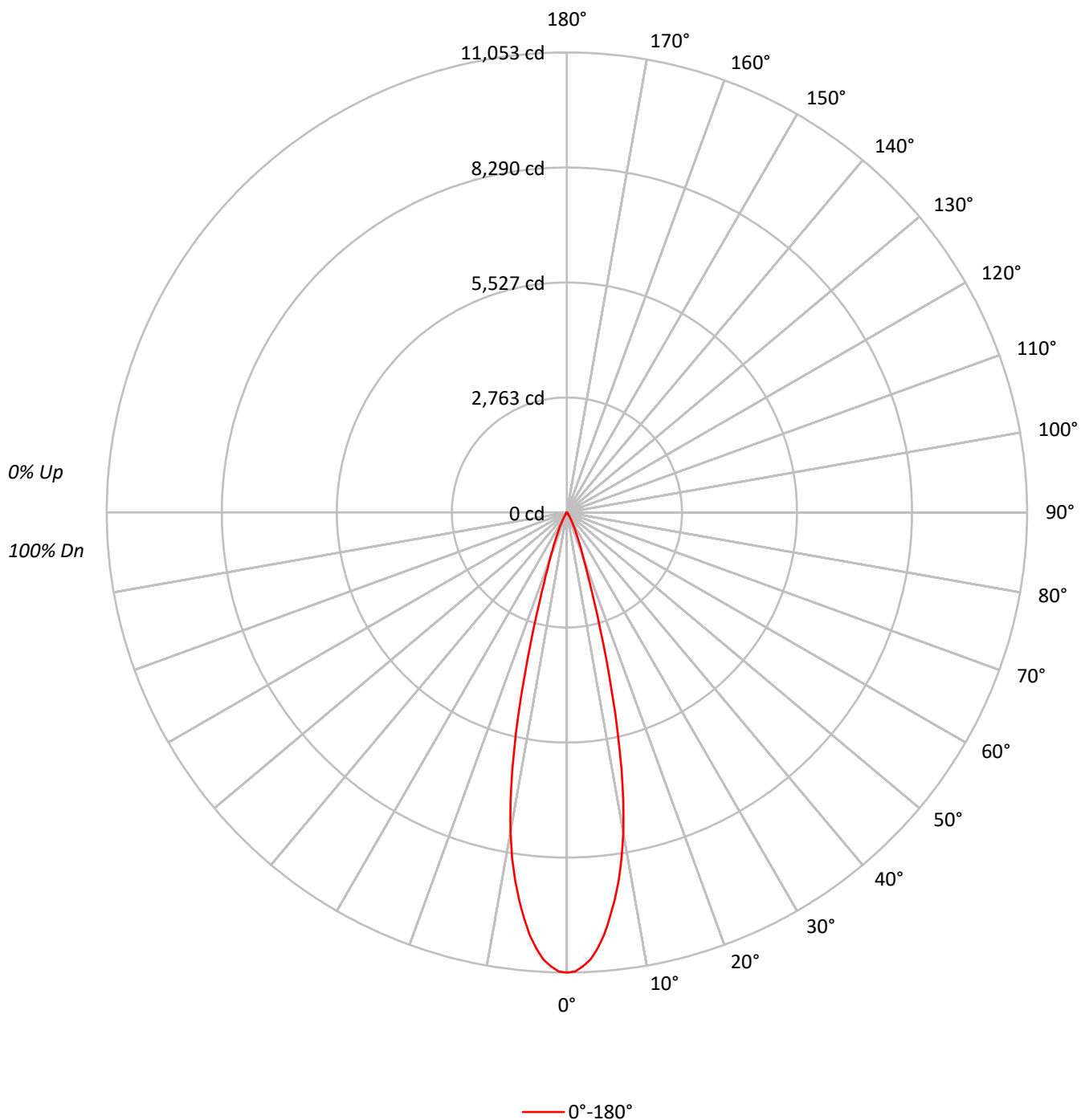
Lumens per Lamp: N/A
Luminaire Lumens: 2213.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	110	108	107	106	105		104	103	102		100
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	106	101	97	94	104	100	96	94	98	95	92		96	93	91		94
5	103	97	93	91	101	96	93	90	95	92	90		93	91	89		92
6	100	94	90	88	99	94	90	87	92	89	87		91	88	86		90
7	98	92	88	85	97	91	87	85	90	87	84		89	86	84		88
8	95	89	85	83	94	89	85	83	88	85	82		87	84	82		86
9	93	87	83	81	92	86	83	80	86	83	80		85	82	80		84
10	91	85	81	79	90	84	81	79	84	81	78		83	80	78		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2423644
5°	2245163
10°	1737109
15°	829698
20°	273560
25°	115313
30°	44690
35°	19327
40°	6441
45°	2977
50°	1092
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: 2977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.6	40.5
10°-20°	1019.7	46.1
20°-30°	236.9	10.7
30°-40°	49.7	2.2
40°-50°	8.0	0.4
50°-60°	1.3	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°	2153.2	97.3
0°-40°	2202.9	99.5
0°-60°	2212.3	100.0
0°-90°	2213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2213.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11053	
5°	10200	897
15°	3655	1020
25°	477	237
35°	72	50
45°	10	8
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11052.7
1°	11030.3
2°	10915.5
3°	10754.2
4°	10507.9
5°	10199.8
6°	9804.2
7°	9390.2
8°	8925.6
9°	8401.7
10°	7801.5
11°	7105.8
12°	6307.5
13°	5432.9
14°	4518.2
15°	3654.8
16°	2891.0
17°	2252.3
18°	1771.6
19°	1417.0
20°	1172.3
21°	979.7
22°	822.4
23°	686.8
24°	574.5
25°	476.6
27.5°	282.4
30°	176.5
32.5°	113.1
35°	72.2
37.5°	43.3
40°	22.5
42.5°	14.4
45°	9.6
47.5°	5.6
50°	3.2
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)