

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: P1270712

Luminaire Tested: P3A20R609740D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R609740D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

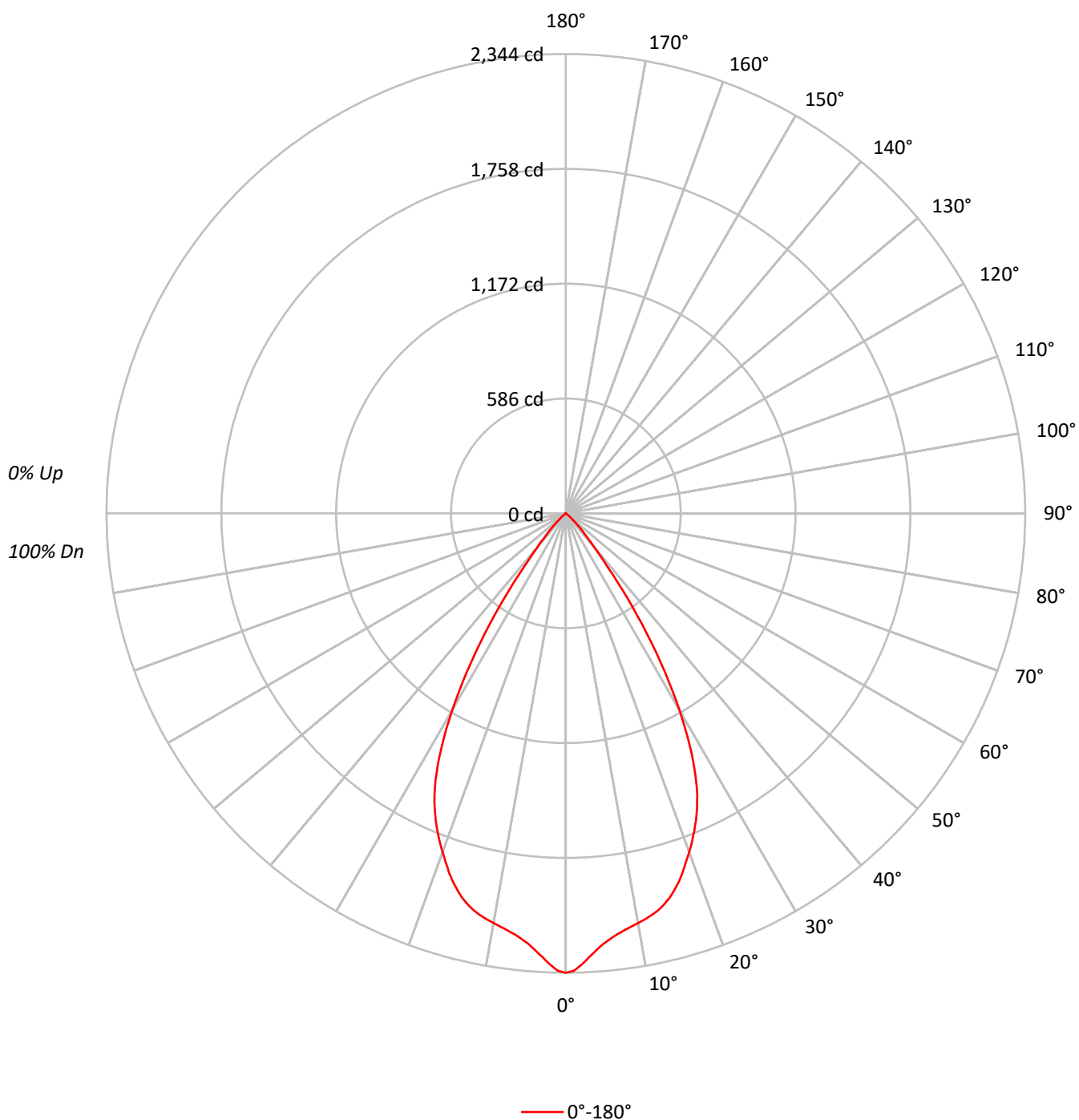
Lumens per Lamp: N/A
Luminaire Lumens: 1962.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270712

CATALOG NUMBER: P3A20R609740D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270712

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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	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	65	61	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	514082
5°	485295
10°	472670
15°	461887
20°	429441
25°	383901
30°	293235
35°	169289
40°	65695
45°	27383
50°	6038
55°	918
60°	702
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27383 cd/sqm

TEST NUMBER: P1270712

CATALOG NUMBER: P3A20R609740D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	10.6
10°-20°	566.7	28.9
20°-30°	709.8	36.2
30°-40°	396.8	20.2
40°-50°	75.4	3.8
50°-60°	3.9	0.2
60°-70°	0.9	0.0
70°-80°	0.3	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°	1484.7	75.7
0°-40°	1881.5	95.9
0°-60°	1960.8	99.9
0°-90°	1962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2344	
5°	2205	208
15°	2035	567
25°	1587	710
35°	632	397
45°	88	75
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1270712

CATALOG NUMBER: P3A20R609740D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2344.4
1°	2334.7
2°	2304.2
3°	2268.1
4°	2234.4
5°	2204.7
6°	2182.2
7°	2163.0
8°	2148.5
9°	2134.9
10°	2122.8
11°	2110.8
12°	2097.2
13°	2080.3
14°	2060.2
15°	2034.6
16°	2003.3
17°	1967.9
18°	1927.8
19°	1882.1
20°	1840.3
21°	1795.4
22°	1748.8
23°	1699.9
24°	1646.1
25°	1586.7
26°	1516.9
27°	1439.0
28°	1351.6
29°	1258.5
30°	1158.1
31°	1057.0
32°	952.7
32.5°	895.7
33°	844.3
34°	737.6
35°	632.4
36°	537.7
37°	437.4
37.5°	391.7
38°	346.7
39°	279.3
40°	229.5
42.5°	139.6
45°	88.3



TEST NUMBER: P1270712

CATALOG NUMBER: P3A20R609740D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	49.0
50°	17.7
52.5°	4.0
55°	2.4
57.5°	1.6
60°	1.6
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
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)