

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: P1263350

Luminaire Tested: P3A20R209727D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209727D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

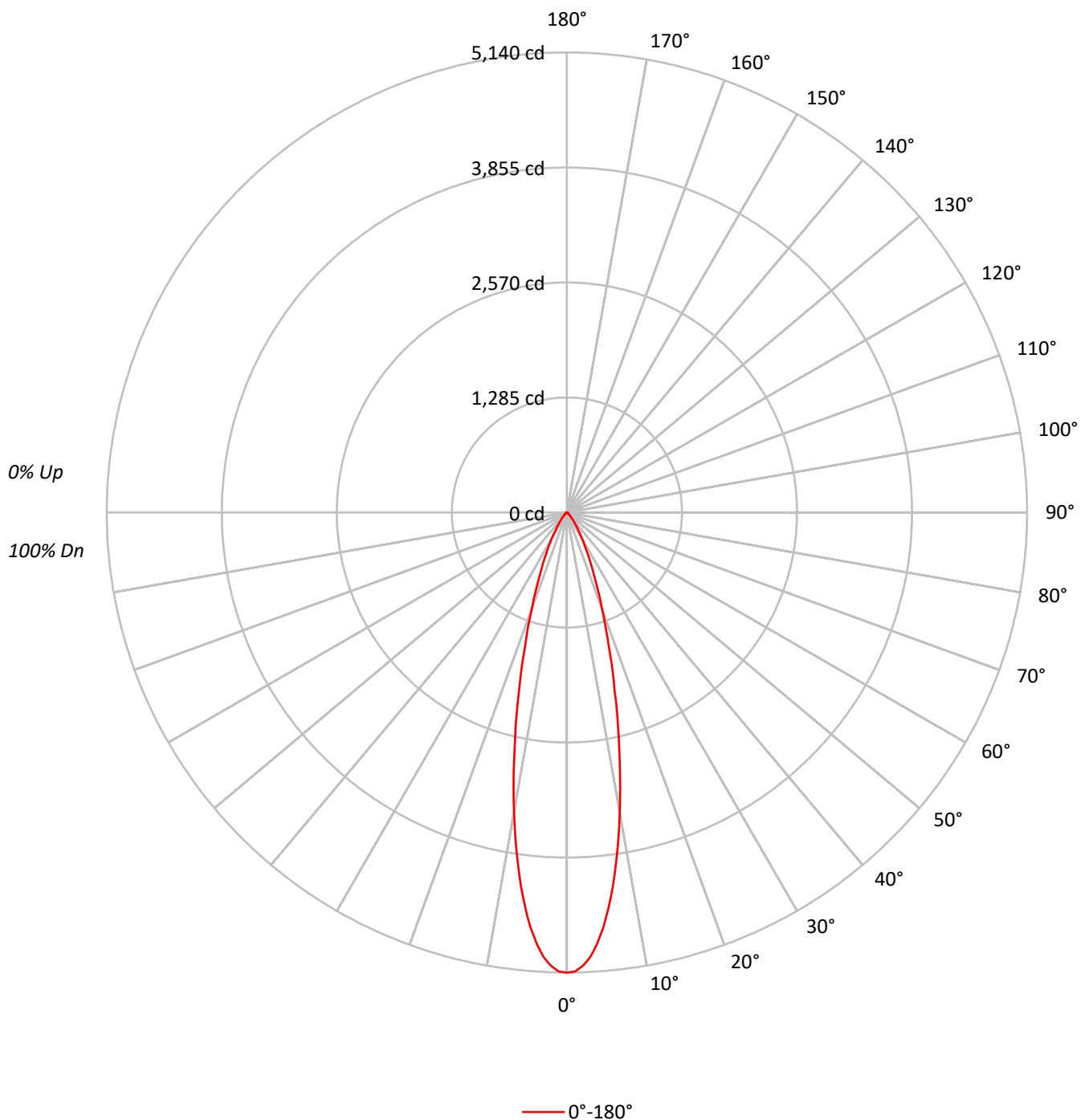
Lumens per Lamp: N/A
Luminaire Lumens: 1465.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263350

CATALOG NUMBER: P3A20R209727D010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1263350

CATALOG NUMBER: P3A20R209727D010 E3DL1WMH

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1127147
5°	1024607
10°	757256
15°	468425
20°	267517
25°	152718
30°	85633
35°	46605
40°	25534
45°	14048
50°	8221
55°	5964
60°	5570
65°	5137
70°	4552
75°	4829
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14048 cd/sqm

TEST NUMBER: P1263350

CATALOG NUMBER: P3A20R209727D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.1	27.5
10°-20°	575.4	39.3
20°-30°	300.3	20.5
30°-40°	116.1	7.9
40°-50°	37.7	2.6
50°-60°	14.8	1.0
60°-70°	9.8	0.7
70°-80°	5.8	0.4
80°-90°	1.9	0.1
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°	1278.8	87.3
0°-40°	1395.0	95.2
0°-60°	1447.5	98.8
0°-90°	1465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5140	
5°	4655	403
15°	2063	575
25°	631	300
35°	174	116
45°	45	38
55°	16	15
65°	10	10
75°	6	6
85°	1	2
90°	0	

TEST NUMBER: P1263350

CATALOG NUMBER: P3A20R209727D010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5140.2
1°	5130.3
2°	5069.5
3°	4976.0
4°	4831.7
5°	4654.8
6°	4445.3
7°	4213.2
8°	3944.3
9°	3682.5
10°	3400.9
12.5°	2703.1
15°	2063.4
17.5°	1544.0
20°	1146.4
22.5°	849.2
25°	631.2
27.5°	465.6
30°	338.2
32.5°	244.8
35°	174.1
37.5°	126.0
40°	89.2
42.5°	63.7
45°	45.3
47.5°	32.6
50°	24.1
52.5°	18.4
55°	15.6
57.5°	14.2
60°	12.7
62.5°	11.3
65°	9.9
67.5°	8.5
70°	7.1
72.5°	7.1
75°	5.7
77.5°	4.2
80°	2.8
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)