

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: P1265719

Luminaire Tested: P3A20R209730D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209730D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

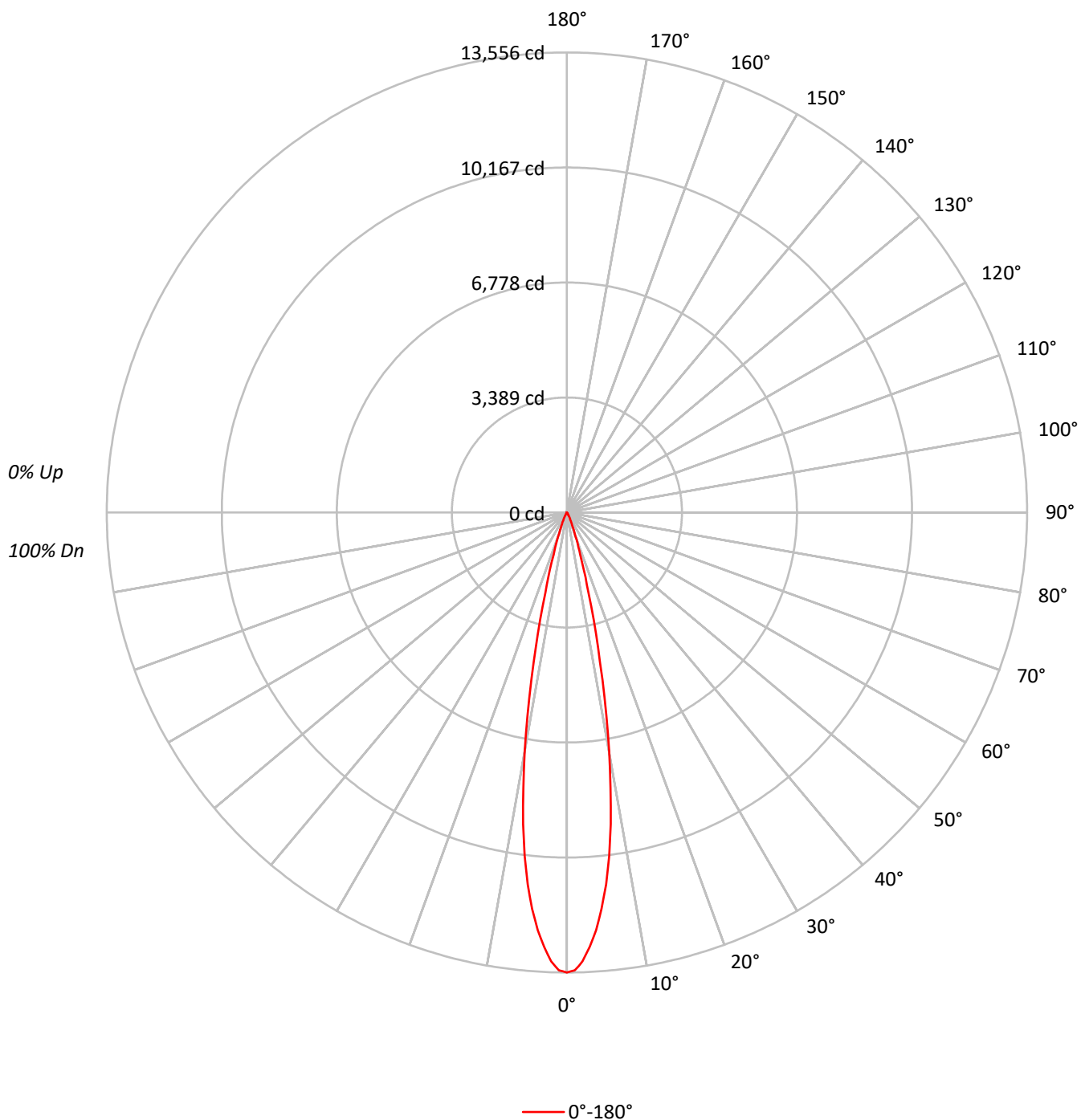
Lumens per Lamp: N/A
Luminaire Lumens: 1913.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1265719

CATALOG NUMBER: P3A20R209730D010 E3CD1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	110		113	112	110	109		108	106	105		104	103	102		101	100	99
2	112	109	107	104		110	108	105	103		104	103	101		102	100	99		99	98	97
3	109	105	102	100		108	104	101	99		102	99	97		99	98	96		97	96	95
4	107	102	99	96		105	101	98	96		99	97	95		97	95	93		96	94	92
5	104	99	96	93		103	98	95	93		97	94	92		95	93	91		94	92	91
6	102	97	93	91		101	96	93	90		95	92	90		94	91	89		93	90	89
7	100	94	91	88		99	94	91	88		93	90	88		92	89	87		91	89	87
8	98	92	89	86		97	92	89	86		91	88	86		90	88	86		89	87	85
9	96	90	87	85		95	90	87	85		89	86	84		89	86	84		88	86	84
10	94	89	85	83		93	88	85	83		88	85	83		87	84	83		87	84	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2972657
5°	2580161
10°	1594270
15°	553738
20°	170045
25°	60124
30°	22257
35°	8914
40°	4780
45°	1892
50°	1023
55°	1147
60°	1316
65°	778
70°	962
75°	1271
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1892 cd/sqm

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CATALOG NUMBER: P3A20R209730D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.8	50.8
10°-20°	771.9	40.3
20°-30°	133.6	7.0
30°-40°	24.3	1.3
40°-50°	5.6	0.3
50°-60°	2.7	0.1
60°-70°	1.7	0.1
70°-80°	1.4	0.1
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°	1878.3	98.1
0°-40°	1902.6	99.4
0°-60°	1910.9	99.8
0°-90°	1913.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1913.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13556	
5°	11722	973
15°	2439	772
25°	248	134
35°	33	24
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13556.4
1°	13491.3
2°	13233.7
3°	12820.1
4°	12335.3
5°	11721.7
6°	11018.8
7°	10200.6
8°	9268.9
9°	8222.0
10°	7160.0
12.5°	4516.3
15°	2439.2
17.5°	1302.9
20°	728.7
22.5°	416.6
25°	248.5
27.5°	151.5
30°	87.9
32.5°	51.5
35°	33.3
37.5°	22.7
40°	16.7
42.5°	10.6
45°	6.1
47.5°	3.0
50°	3.0
52.5°	3.0
55°	3.0
57.5°	3.0
60°	3.0
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)