

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: P1263550

Luminaire Tested: P3A20R559727D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559727D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

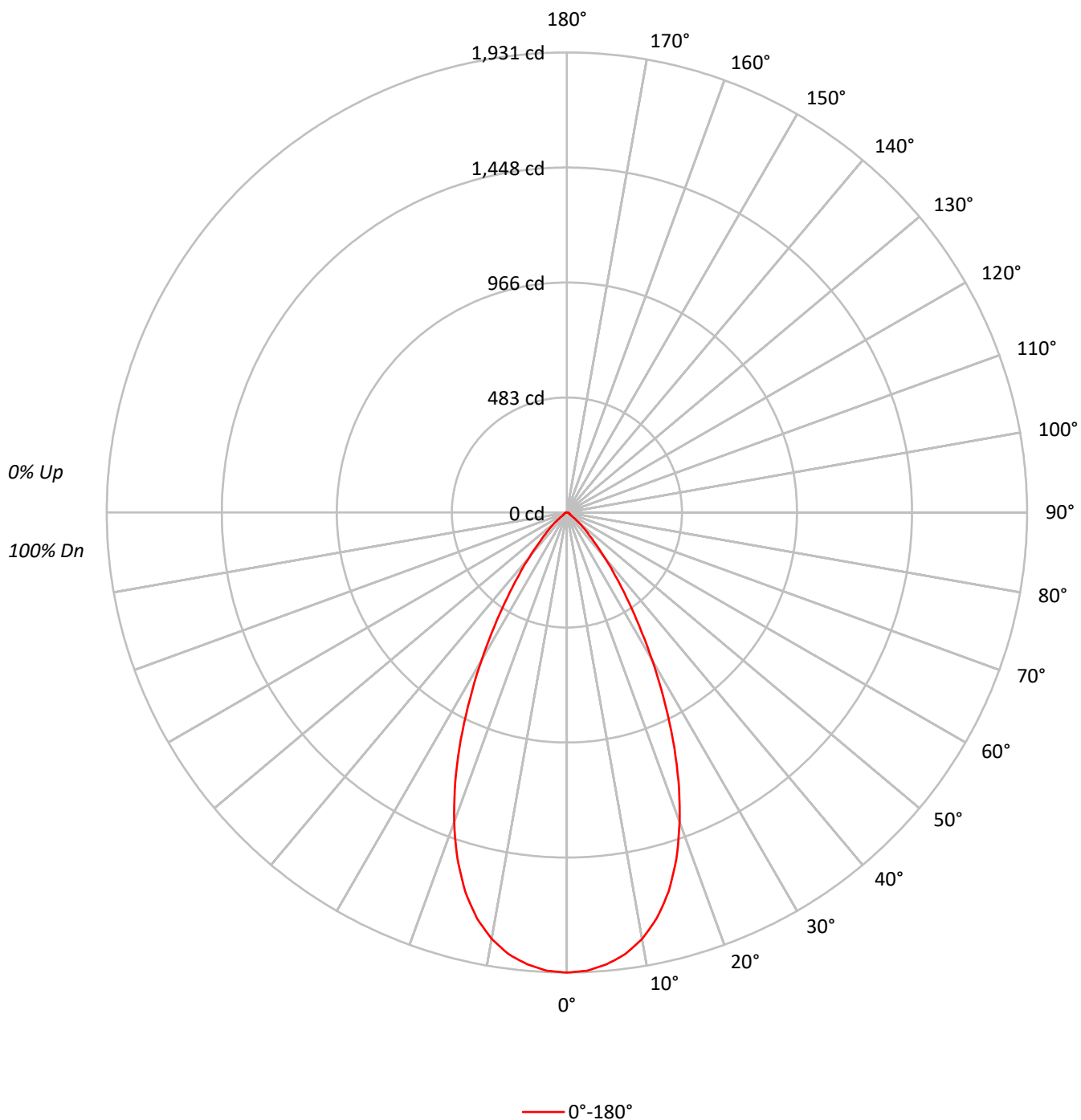
Lumens per Lamp: N/A
Luminaire Lumens: 1542.0 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263550

CATALOG NUMBER: P3A20R559727D010 E3DL1MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	82	79	77	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66		
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62		
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58		
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55		
10	73	63	57	53	72	62	57	53	62	57	53	61	56	53	60	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423431
5°	419127
10°	404758
15°	374122
20°	322845
25°	254991
30°	180889
35°	116634
40°	70046
45°	39477
50°	21219
55°	7570
60°	6842
65°	6590
70°	6347
75°	6015
80°	5304
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	11.6
10°-20°	455.7	29.6
20°-30°	477.6	31.0
30°-40°	278.6	18.1
40°-50°	104.3	6.8
50°-60°	24.5	1.6
60°-70°	12.6	0.8
70°-80°	7.5	0.5
80°-90°	2.1	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°	1112.4	72.1
0°-40°	1391.0	90.2
0°-60°	1519.8	98.6
0°-90°	1542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1542.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1931	
5°	1904	179
15°	1648	456
25°	1054	478
35°	436	279
45°	127	104
55°	20	25
65°	13	13
75°	7	7
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1931.0
2.5°	1925.3
5°	1904.1
7.5°	1870.1
10°	1817.8
12.5°	1744.2
15°	1648.0
17.5°	1526.4
20°	1383.5
22.5°	1223.6
25°	1053.9
27.5°	879.9
30°	714.4
32.5°	564.4
35°	435.7
37.5°	331.0
40°	244.7
42.5°	175.4
45°	127.3
47.5°	92.0
50°	62.2
52.5°	35.4
55°	19.8
57.5°	17.0
60°	15.6
62.5°	14.1
65°	12.7
67.5°	11.3
70°	9.9
72.5°	8.5
75°	7.1
77.5°	5.7
80°	4.2
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)