

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: P1276697

Luminaire Tested: P3AS20R159835D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159835D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

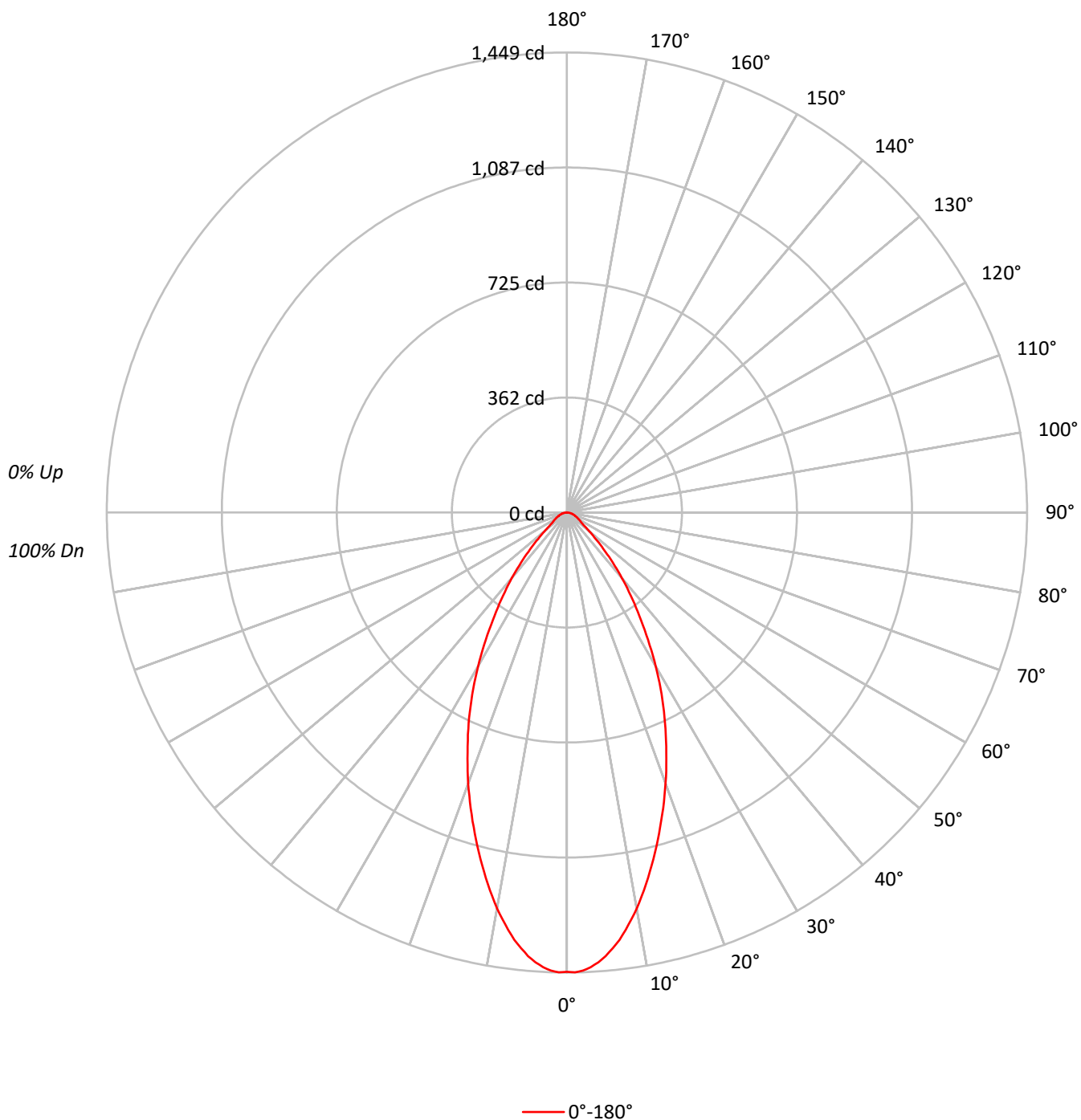
Lumens per Lamp: N/A
Luminaire Lumens: 1258.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56		
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317321
5°	308694
10°	282115
15°	247107
20°	211978
25°	176986
30°	141642
35°	106220
40°	77087
45°	50424
50°	31521
55°	21333
60°	18858
65°	17382
70°	16349
75°	14827
80°	14143
85°	12077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	10.3
10°-20°	303.3	24.1
20°-30°	334.2	26.6
30°-40°	250.2	19.9
40°-50°	129.7	10.3
50°-60°	53.8	4.3
60°-70°	33.3	2.6
70°-80°	18.7	1.5
80°-90°	5.4	0.4
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°	766.9	61.0
0°-40°	1017.1	80.9
0°-60°	1200.6	95.4
0°-90°	1258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1447	
5°	1402	129
15°	1088	303
25°	732	334
35°	397	250
45°	163	130
55°	56	54
65°	34	33
75°	18	19
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1447.1
1°	1448.7
2°	1443.9
3°	1434.3
4°	1420.0
5°	1402.4
6°	1380.1
7°	1356.2
8°	1327.5
9°	1297.3
10°	1267.0
12.5°	1179.3
15°	1088.5
17.5°	997.6
20°	908.4
22.5°	817.6
25°	731.5
27.5°	645.4
30°	559.4
32.5°	474.9
35°	396.8
37.5°	329.9
40°	269.3
42.5°	213.6
45°	162.6
47.5°	122.7
50°	92.4
52.5°	68.5
55°	55.8
57.5°	49.4
60°	43.0
62.5°	38.2
65°	33.5
67.5°	28.7
70°	25.5
72.5°	20.7
75°	17.5
77.5°	14.3
80°	11.2
82.5°	8.0
85°	4.8
87.5°	1.6
90°	0.0

(END OF REPORT)