

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: P1277011

Luminaire Tested: P3AS20R709835D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1277011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709835D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

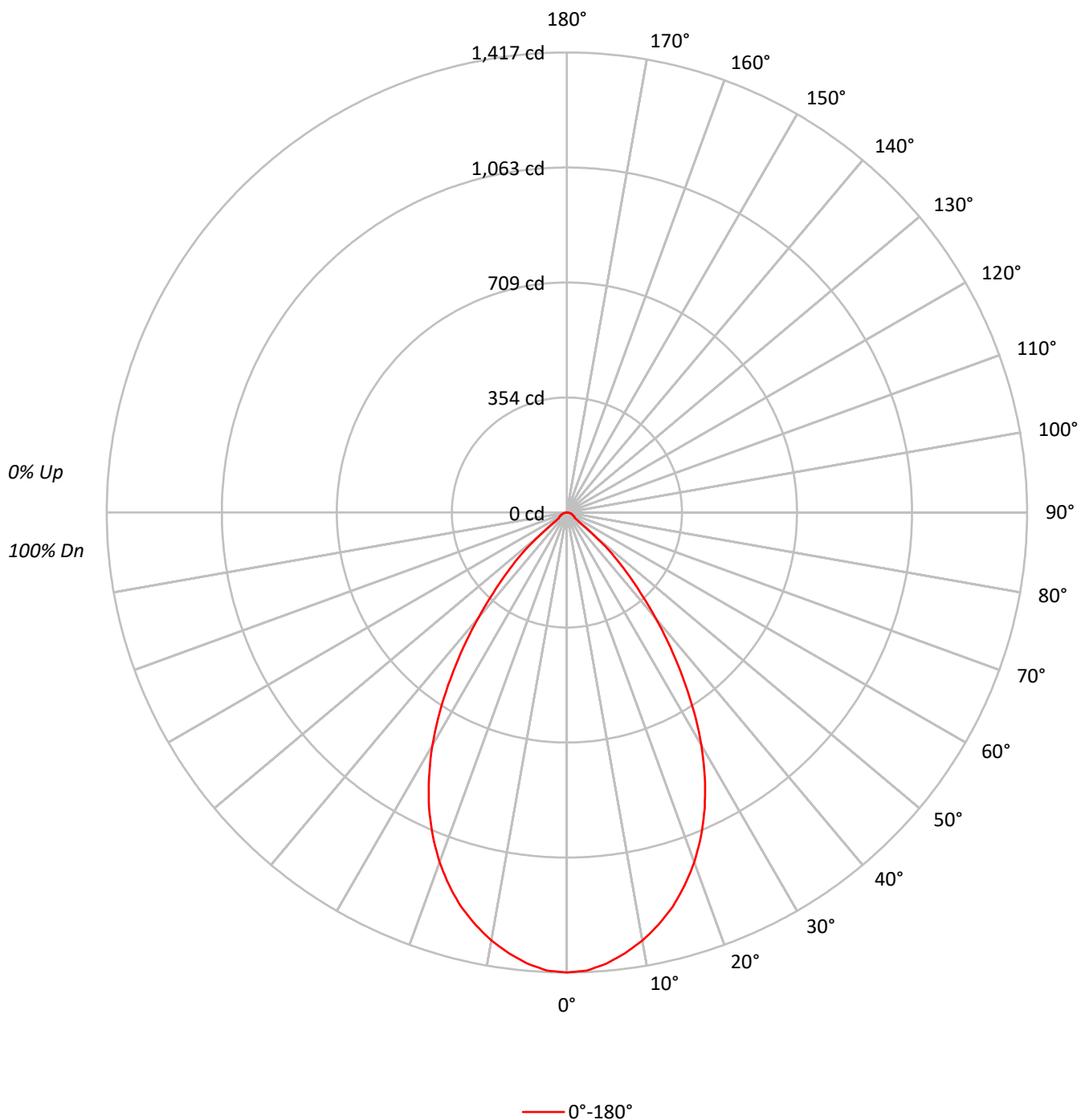
Lumens per Lamp: N/A
Luminaire Lumens: 1605.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	88	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77		
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70		
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65		
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310721
5°	306999
10°	298124
15°	285495
20°	267423
25°	242966
30°	209855
35°	167254
40°	121828
45°	80070
50°	37525
55°	11584
60°	11183
65°	10740
70°	10194
75°	10845
80°	10102
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 80070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	8.2
10°-20°	352.0	21.9
20°-30°	457.5	28.5
30°-40°	388.2	24.2
40°-50°	200.1	12.5
50°-60°	38.6	2.4
60°-70°	20.9	1.3
70°-80°	12.8	0.8
80°-90°	3.7	0.2
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°	940.7	58.6
0°-40°	1328.9	82.8
0°-60°	1567.6	97.7
0°-90°	1605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1417	
5°	1395	131
15°	1258	352
25°	1004	457
35°	625	388
45°	258	200
55°	30	39
65°	21	21
75°	13	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1417.0
2.5°	1412.2
5°	1394.7
7.5°	1369.2
10°	1338.9
12.5°	1300.6
15°	1257.6
17.5°	1205.0
20°	1146.0
22.5°	1079.1
25°	1004.2
27.5°	919.7
30°	828.8
32.5°	728.4
35°	624.8
37.5°	522.8
40°	425.6
42.5°	334.7
45°	258.2
47.5°	189.7
50°	110.0
52.5°	47.8
55°	30.3
57.5°	28.7
60°	25.5
62.5°	23.9
65°	20.7
67.5°	19.1
70°	15.9
72.5°	14.3
75°	12.8
77.5°	9.6
80°	8.0
82.5°	4.8
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)