

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: P1255868

Luminaire Tested: P3A24R559035D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A24R559035D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

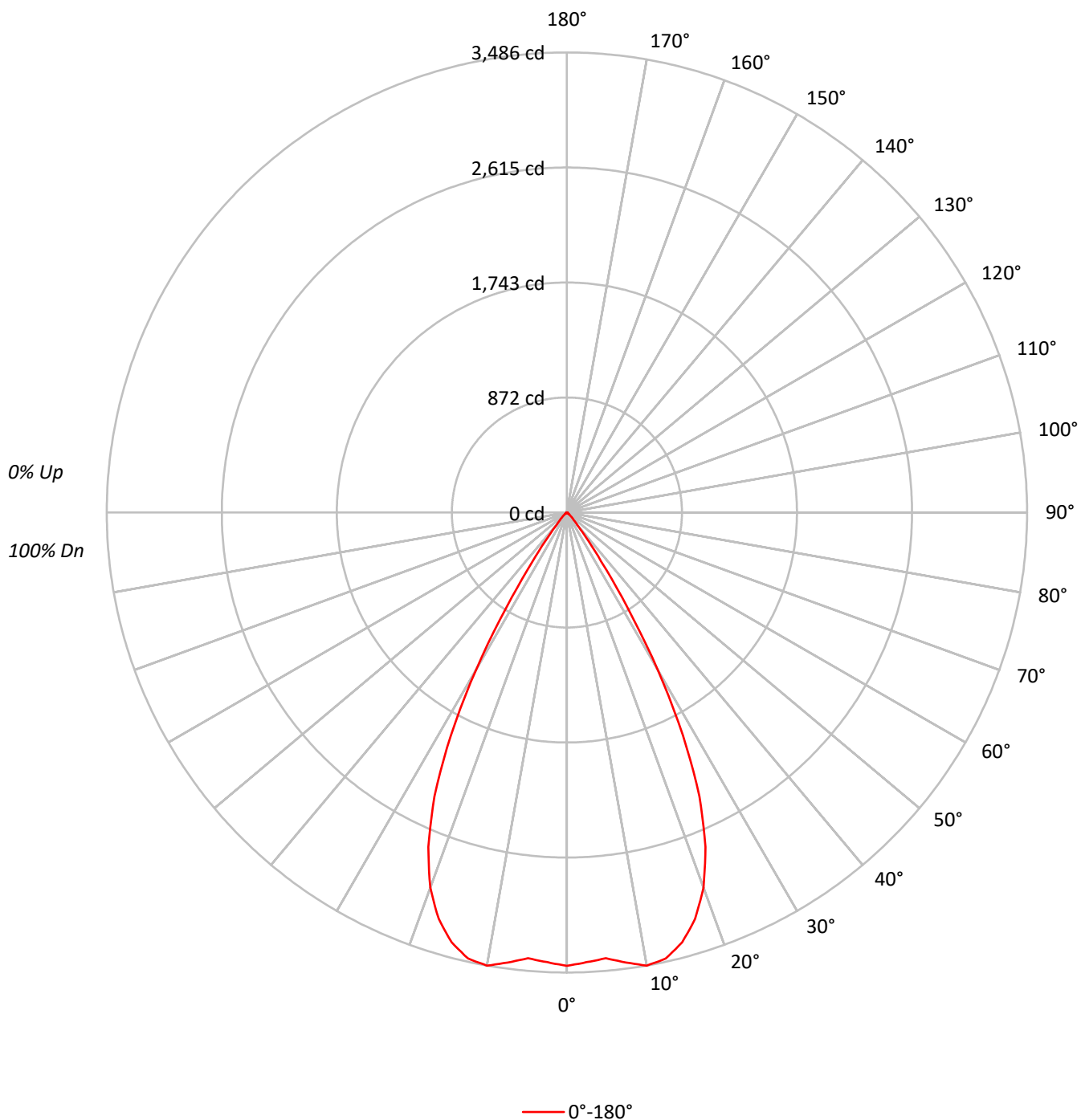
Lumens per Lamp: N/A
Luminaire Lumens: 2716.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89		
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84		
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79		
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74		
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70		
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66		
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63		
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	753295
5°	746289
10°	776272
15°	765498
20°	705895
25°	574364
30°	348864
35°	120756
40°	34465
45°	16467
50°	6959
55°	3135
60°	3596
65°	3165
70°	2629
75°	3474
80°	2526
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	12.1
10°-20°	937.2	34.5
20°-30°	1044.8	38.5
30°-40°	341.8	12.6
40°-50°	45.1	1.7
50°-60°	9.5	0.4
60°-70°	5.5	0.2
70°-80°	3.5	0.1
80°-90°	0.8	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°	2309.7	85.0
0°-40°	2651.5	97.6
0°-60°	2706.1	99.6
0°-90°	2716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2716.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3435	
5°	3390	328
15°	3372	937
25°	2374	1045
35°	451	342
45°	53	45
55°	8	10
65°	6	6
75°	4	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3435.3
2.5°	3410.8
5°	3390.4
7.5°	3439.4
10°	3486.3
12.5°	3461.8
15°	3372.0
17.5°	3229.1
20°	3025.0
22.5°	2743.3
25°	2373.9
27.5°	1904.4
30°	1377.8
32.5°	845.0
35°	451.1
37.5°	228.6
40°	120.4
42.5°	77.6
45°	53.1
47.5°	36.7
50°	20.4
52.5°	12.2
55°	8.2
57.5°	8.2
60°	8.2
62.5°	6.1
65°	6.1
67.5°	4.1
70°	4.1
72.5°	4.1
75°	4.1
77.5°	2.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)