

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: P1246941

Luminaire Tested: P3A13R409024DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R409024DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

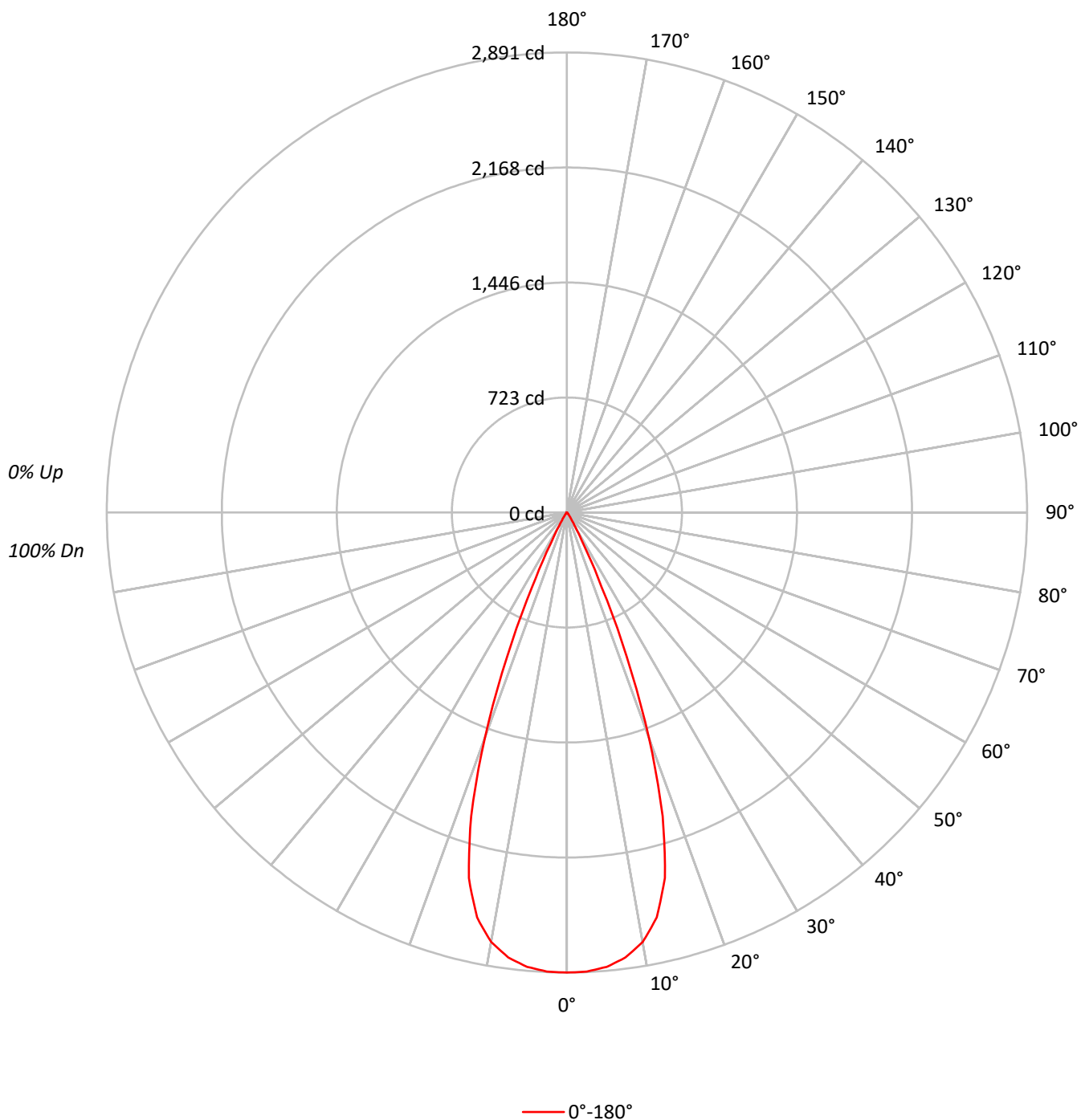
Lumens per Lamp: N/A
Luminaire Lumens: 1204.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85		
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	633940
5°	630881
10°	610320
15°	539980
20°	352317
25°	124798
30°	26460
35°	8727
40°	3177
45°	1054
50°	887
55°	994
60°	746
65°	882
70°	577
75°	763
80°	1137
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 1512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	22.4
10°-20°	628.0	52.2
20°-30°	272.5	22.6
30°-40°	25.1	2.1
40°-50°	3.6	0.3
50°-60°	2.2	0.2
60°-70°	1.6	0.1
70°-80°	1.0	0.1
80°-90°	0.4	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°	1170.2	97.2
0°-40°	1195.4	99.3
0°-60°	1201.2	99.8
0°-90°	1204.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1204.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2891	
5°	2866	270
15°	2379	628
25°	516	273
35°	33	25
45°	3	4
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2891.0
2.5°	2887.6
5°	2866.1
7.5°	2820.7
10°	2741.0
12.5°	2606.5
15°	2378.6
17.5°	2000.7
20°	1509.8
22.5°	980.2
25°	515.8
27.5°	221.9
30°	104.5
32.5°	56.6
35°	32.6
37.5°	19.7
40°	11.1
42.5°	6.0
45°	3.4
47.5°	2.6
50°	2.6
52.5°	2.6
55°	2.6
57.5°	2.6
60°	1.7
62.5°	1.7
65°	1.7
67.5°	1.7
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)