

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: P1263851

Luminaire Tested: P3A02R309730DE010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309730DE010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

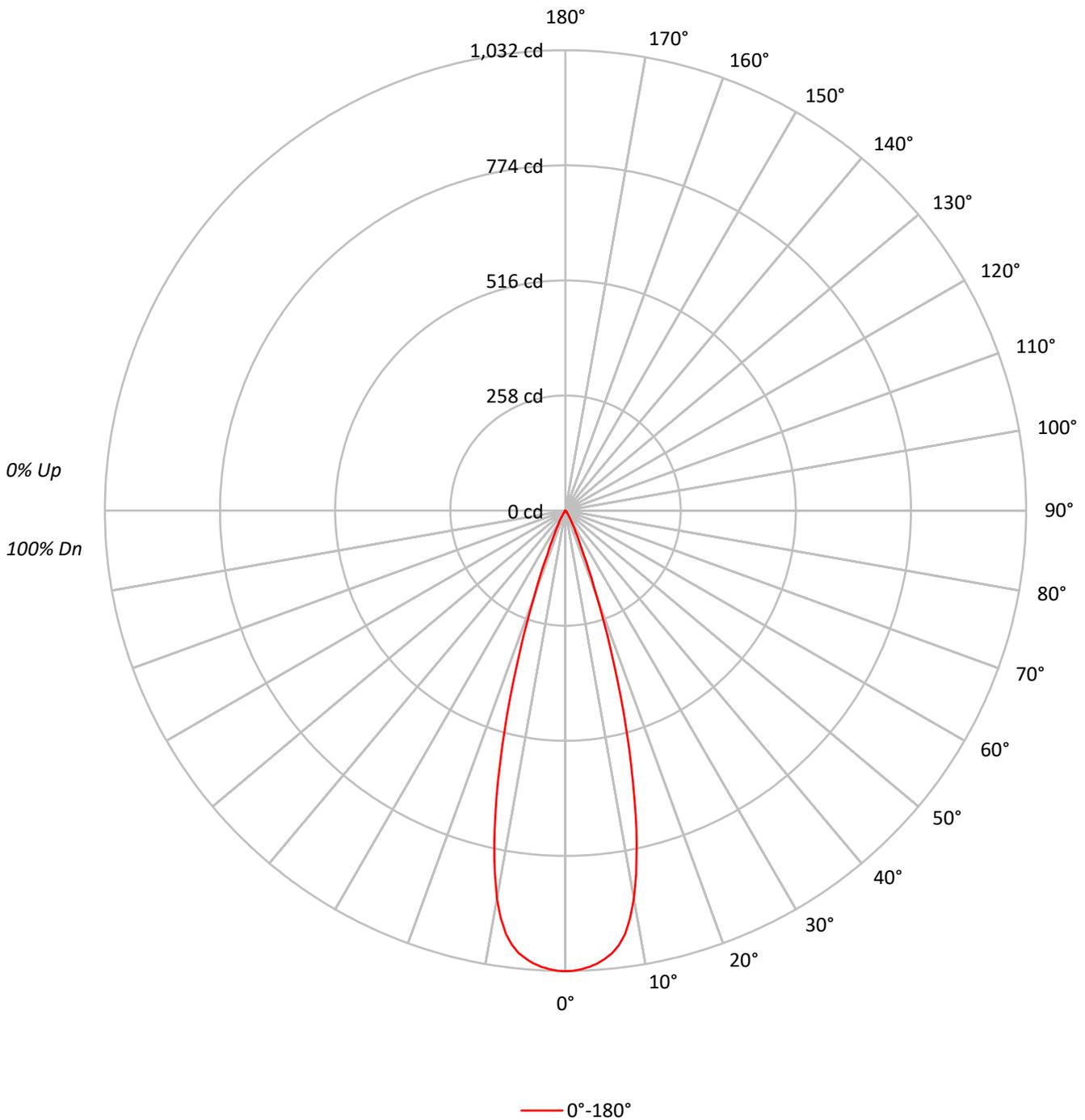
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 277.9 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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			0
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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	93	91	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	91	88	87
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	89	86	84
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	86	84	82
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	82	79	77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	78	75	80	78	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	226385
5°	222099
10°	196612
15°	124564
20°	47277
25°	14009
30°	5520
35°	1686
40°	744
45°	279
50°	239
55°	153
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 279 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	33.4
10°-20°	144.6	52.0
20°-30°	33.6	12.1
30°-40°	5.2	1.9
40°-50°	0.9	0.3
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
80°-90°	0.0	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°	270.9	97.5
0°-40°	276.1	99.3
0°-60°	277.4	99.8
0°-90°	277.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1032	
5°	1009	93
15°	549	145
25°	58	34
35°	6	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1032.4
1°	1031.7
2°	1028.9
3°	1024.1
4°	1018.0
5°	1009.0
6°	997.9
7°	981.3
8°	958.6
9°	925.2
10°	883.0
11°	828.7
12°	767.3
13°	699.2
14°	624.3
15°	548.7
17.5°	359.0
20°	202.6
22.5°	103.5
25°	57.9
27.5°	35.6
30°	21.8
32.5°	11.8
35°	6.3
37.5°	4.1
40°	2.6
42.5°	1.5
45°	0.9
47.5°	0.7
50°	0.7
52.5°	0.4
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)