

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: P1265399

Luminaire Tested: P3A17R309730DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265399
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: P3A17R309730DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

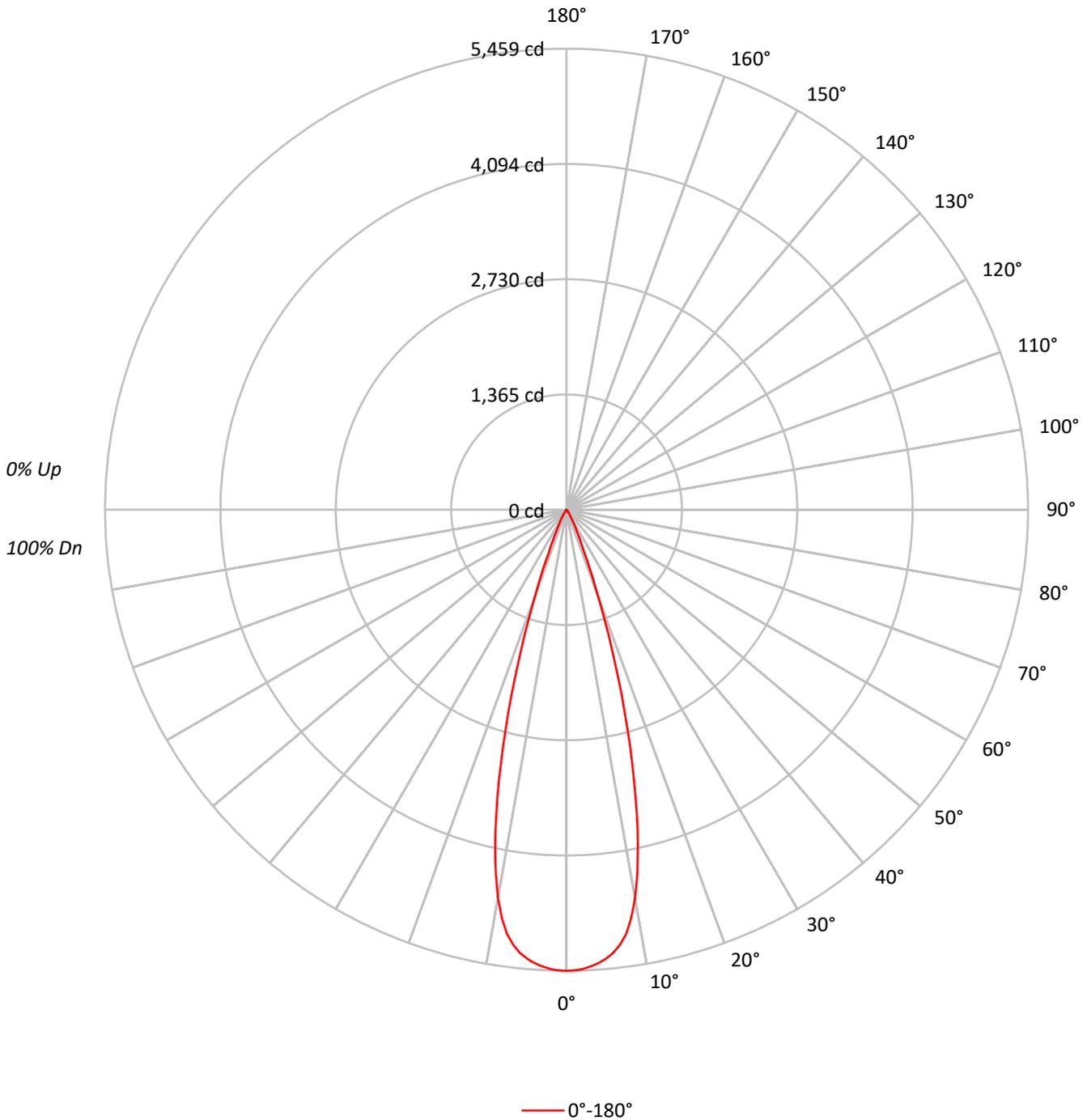
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1470.1 lumens
Efficiency: N/A
Efficacy: 69.3 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): 21.2
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98		97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95		94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92		91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89		88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87		85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84		83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82		81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80		79
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77		77
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75		75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1197075
5°	1174463
10°	1039682
15°	658710
20°	250038
25°	74037
30°	29245
35°	8968
40°	3979
45°	1427
50°	1194
55°	879
60°	1009
65°	1193
70°	769
75°	1017
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 1515 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.5	33.4
10°-20°	764.4	52.0
20°-30°	177.5	12.1
30°-40°	27.5	1.9
40°-50°	4.7	0.3
50°-60°	2.2	0.1
60°-70°	1.9	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1432.4	97.4
0°-40°	1459.9	99.3
0°-60°	1466.8	99.8
0°-90°	1470.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1470.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5459	
5°	5336	490
15°	2902	764
25°	306	178
35°	34	28
45°	5	5
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5459.1
1°	5455.6
2°	5440.6
3°	5415.2
4°	5382.9
5°	5335.6
6°	5276.7
7°	5188.9
8°	5068.8
9°	4892.2
10°	4669.3
11°	4381.8
12°	4057.4
13°	3697.1
14°	3301.1
15°	2901.6
17.5°	1898.2
20°	1071.5
22.5°	547.3
25°	306.0
27.5°	188.2
30°	115.5
32.5°	62.4
35°	33.5
37.5°	21.9
40°	13.9
42.5°	8.1
45°	4.6
47.5°	3.5
50°	3.5
52.5°	2.3
55°	2.3
57.5°	2.3
60°	2.3
62.5°	2.3
65°	2.3
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
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)