

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: P1264156

Luminaire Tested: P3A05R129730DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R129730DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R12 optic, 3000K CCT AND, 97CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

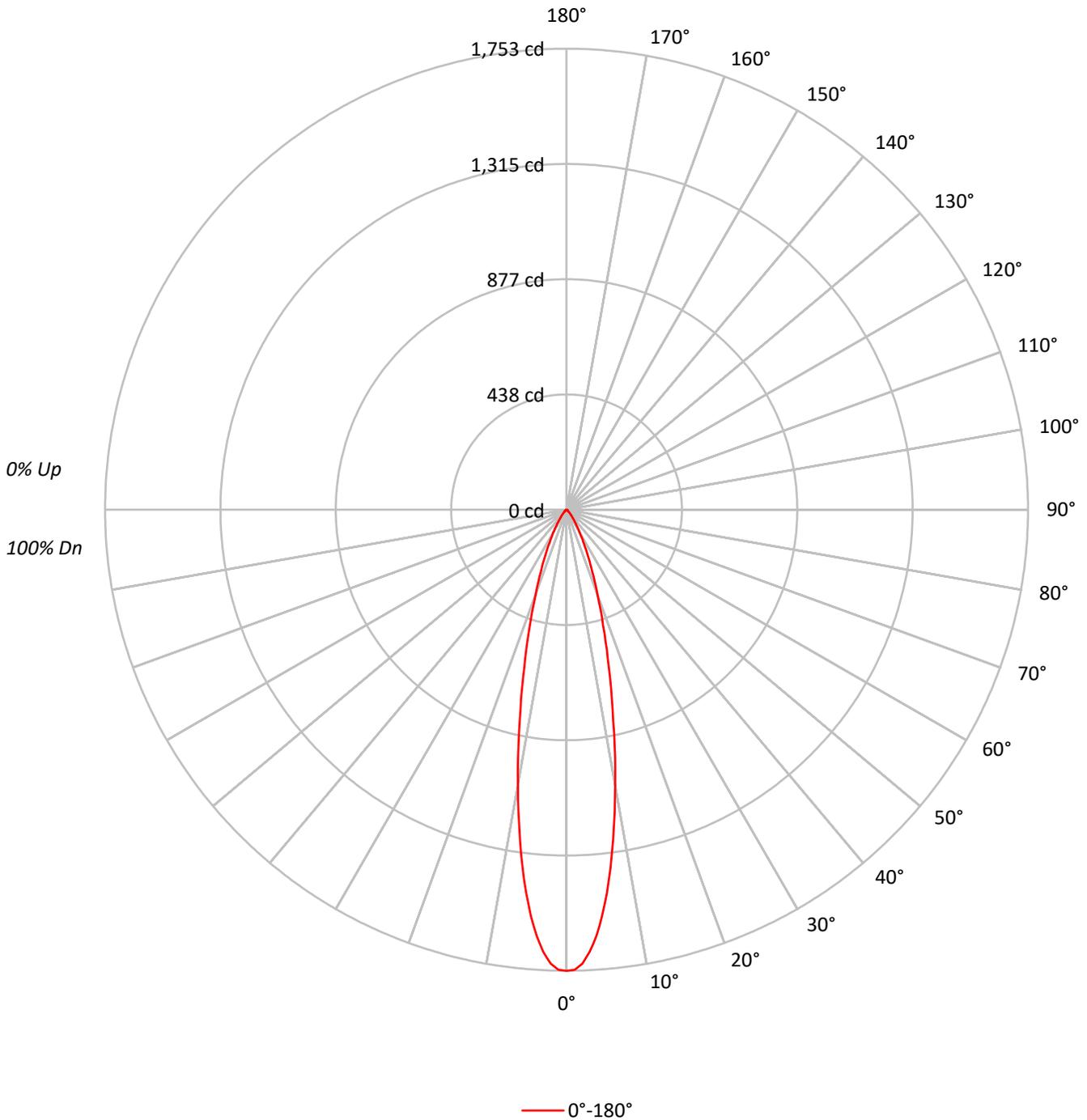
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 450.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	384421
5°	341227
10°	236981
15°	140137
20°	79807
25°	45632
30°	25244
35°	13465
40°	7443
45°	4031
50°	2524
55°	1988
60°	1710
65°	1557
70°	1410
75°	1440
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	29.3
10°-20°	174.0	38.7
20°-30°	89.6	19.9
30°-40°	33.6	7.5
40°-50°	11.0	2.4
50°-60°	4.7	1.1
60°-70°	3.0	0.7
70°-80°	1.8	0.4
80°-90°	0.5	0.1
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°	395.4	87.9
0°-40°	429.0	95.3
0°-60°	444.7	98.8
0°-90°	450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	450.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1753	
5°	1550	132
15°	617	174
25°	189	90
35°	50	34
45°	13	11
55°	5	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1753.1
1°	1749.6
2°	1726.6
3°	1682.9
4°	1625.2
5°	1550.2
6°	1465.2
7°	1372.0
8°	1268.4
9°	1166.1
10°	1064.3
12.5°	818.9
15°	617.3
17.5°	462.1
20°	342.0
22.5°	255.3
25°	188.6
27.5°	137.4
30°	99.7
32.5°	70.7
35°	50.3
37.5°	36.0
40°	26.0
42.5°	18.6
45°	13.0
47.5°	9.5
50°	7.4
52.5°	6.1
55°	5.2
57.5°	4.3
60°	3.9
62.5°	3.5
65°	3.0
67.5°	2.6
70°	2.2
72.5°	2.2
75°	1.7
77.5°	1.3
80°	0.9
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)