

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: P1264157

Luminaire Tested: P3A05R129730DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264157
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 E3DL1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

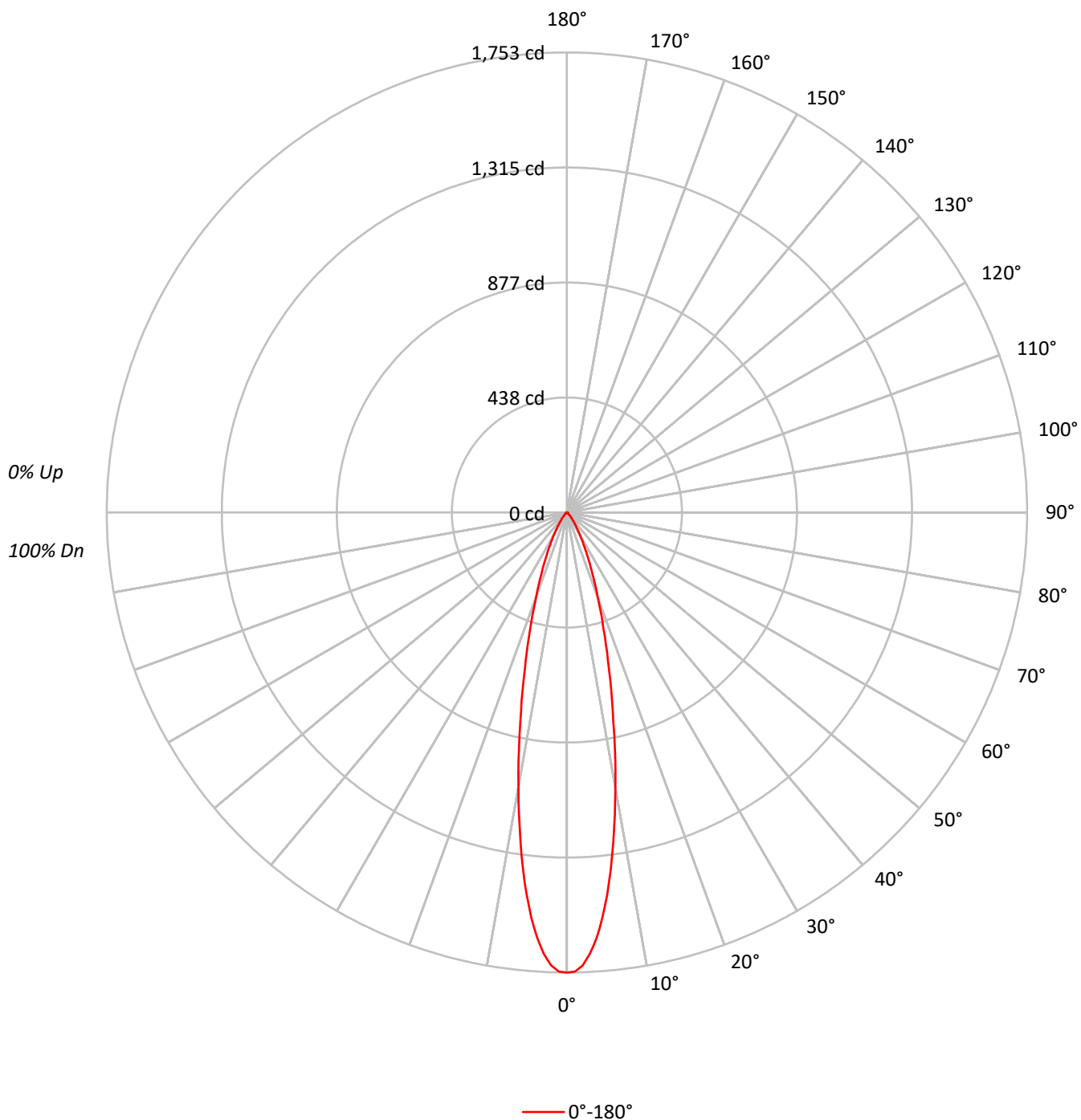
Lumens per Lamp: N/A
Luminaire Lumens: 450.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10		70	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
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	103	100		108	104	101	99		101	99	97		98	96	95		96	94	93
3	106	101	97	93		104	99	96	93		97	94	91		94	92	90		92	90	88
4	102	96	92	88		100	95	91	88		93	89	87		91	88	86		89	87	85
5	98	92	87	84		97	91	87	83		89	85	83		88	84	82		86	83	81
6	95	88	83	80		94	87	83	80		86	82	79		85	81	79		83	80	78
7	92	85	80	77		91	84	80	76		83	79	76		82	78	76		81	78	75
8	89	81	77	74		88	81	77	73		80	76	73		79	75	73		78	75	73
9	86	79	74	71		85	78	74	71		77	73	71		77	73	70		76	73	70
10	84	76	71	68		83	76	71	68		75	71	68		74	71	68		74	70	68

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)