

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: P1256303

Luminaire Tested: P3AS02R509040DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS02R509040DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

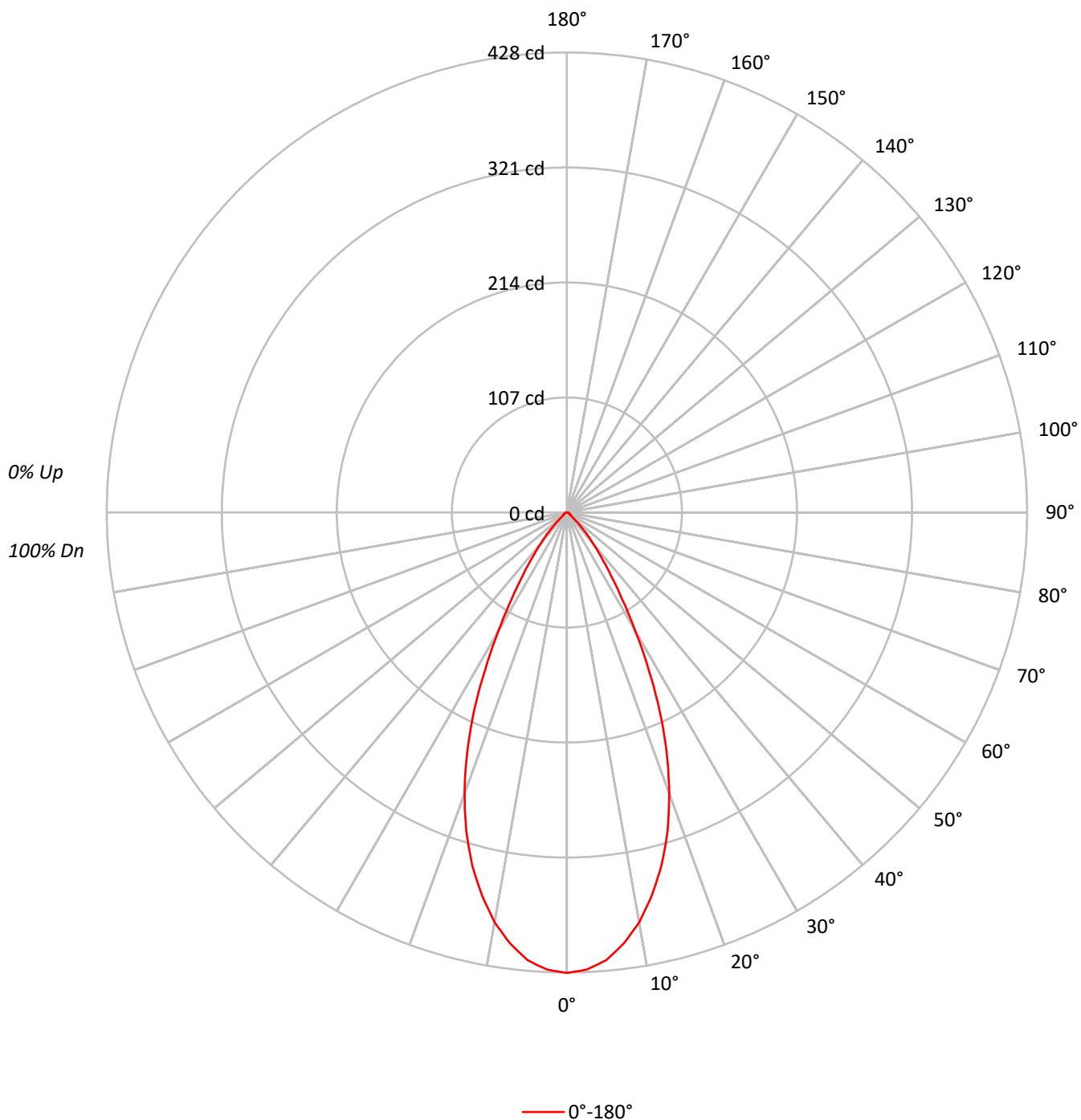
Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93918
5°	92031
10°	86193
15°	77163
20°	64942
25°	49551
30°	32207
35°	19086
40°	11049
45°	5520
50°	2047
55°	1606
60°	1491
65°	1349
70°	1346
75°	1356
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	13.2
10°-20°	94.0	31.9
20°-30°	92.2	31.3
30°-40°	46.4	15.7
40°-50°	14.7	5.0
50°-60°	3.8	1.3
60°-70°	2.7	0.9
70°-80°	1.6	0.6
80°-90°	0.6	0.2
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°	225.1	76.3
0°-40°	271.6	92.1
0°-60°	290.1	98.3
0°-90°	295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	428	
5°	418	39
15°	340	94
25°	205	92
35°	71	46
45°	18	15
55°	4	4
65°	3	3
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	428.3
2.5°	425.7
5°	418.1
7.5°	404.5
10°	387.1
12.5°	364.8
15°	339.9
17.5°	311.1
20°	278.3
22.5°	242.9
25°	204.8
27.5°	164.5
30°	127.2
32.5°	95.7
35°	71.3
37.5°	52.7
40°	38.6
42.5°	27.3
45°	17.8
47.5°	10.2
50°	6.0
52.5°	4.5
55°	4.2
57.5°	3.7
60°	3.4
62.5°	3.1
65°	2.6
67.5°	2.4
70°	2.1
72.5°	1.8
75°	1.6
77.5°	1.3
80°	1.0
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0

(END OF REPORT)