

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: P1271549

Luminaire Tested: P3AS09R209827DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R209827DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

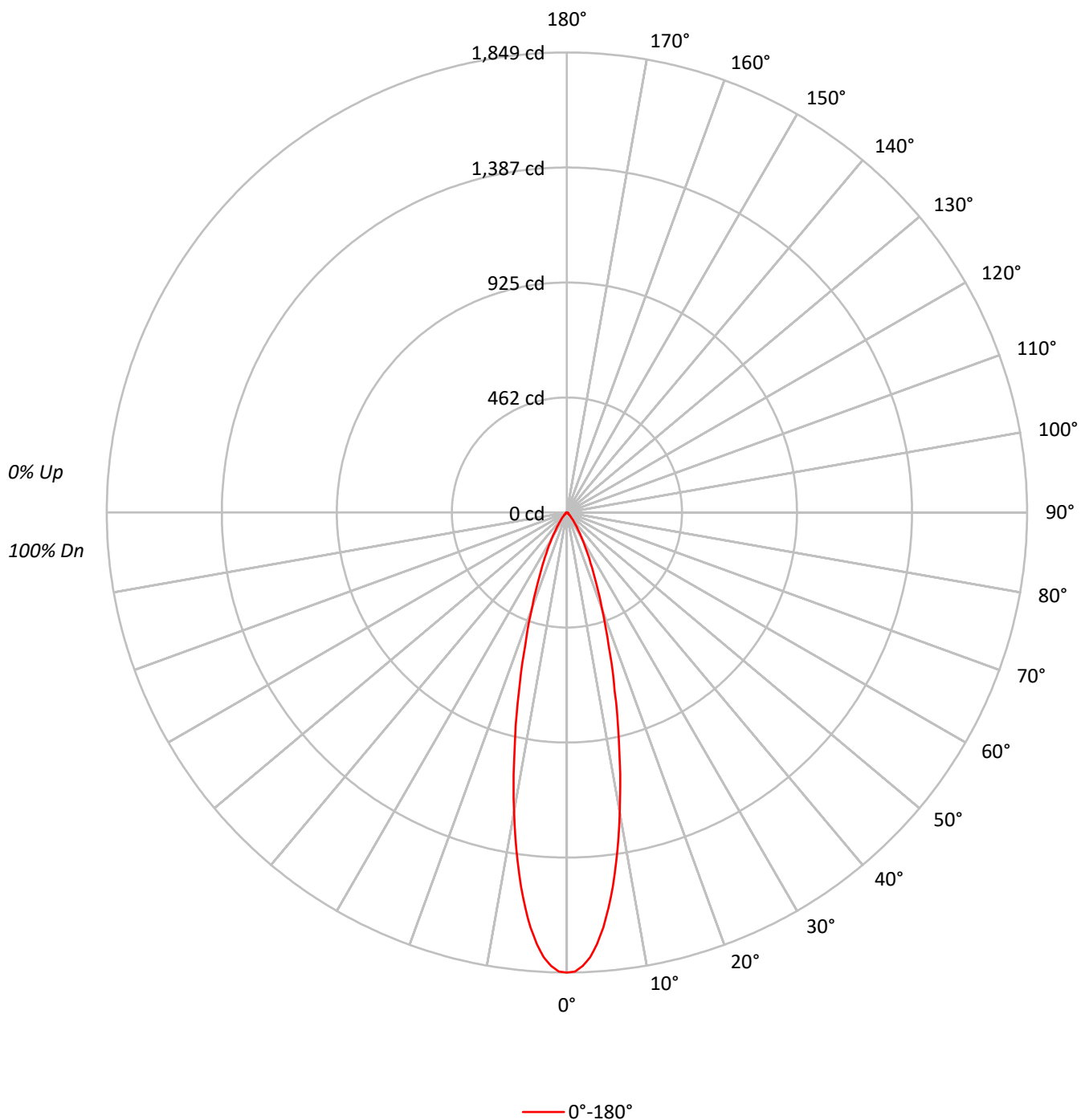
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	405472
5°	368588
10°	272406
15°	168514
20°	96235
25°	54947
30°	30815
35°	16758
40°	9189
45°	5055
50°	2968
55°	2141
60°	2017
65°	1868
70°	1603
75°	1694
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5055 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	27.5
10°-20°	207.0	39.3
20°-30°	108.1	20.5
30°-40°	41.8	7.9
40°-50°	13.6	2.6
50°-60°	5.3	1.0
60°-70°	3.5	0.7
70°-80°	2.0	0.4
80°-90°	0.7	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°	460.0	87.3
0°-40°	501.8	95.2
0°-60°	520.7	98.8
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1849	
5°	1674	145
15°	742	207
25°	227	108
35°	63	42
45°	16	14
55°	6	5
65°	4	4
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1849.1
1°	1845.5
2°	1823.6
3°	1790.0
4°	1738.1
5°	1674.5
6°	1599.1
7°	1515.6
8°	1418.9
9°	1324.7
10°	1223.4
12.5°	972.4
15°	742.3
17.5°	555.4
20°	412.4
22.5°	305.5
25°	227.1
27.5°	167.5
30°	121.7
32.5°	88.1
35°	62.6
37.5°	45.3
40°	32.1
42.5°	22.9
45°	16.3
47.5°	11.7
50°	8.7
52.5°	6.6
55°	5.6
57.5°	5.1
60°	4.6
62.5°	4.1
65°	3.6
67.5°	3.1
70°	2.5
72.5°	2.5
75°	2.0
77.5°	1.5
80°	1.0
82.5°	1.0
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)