

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: P1272643

Luminaire Tested: P3AS20R309827D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

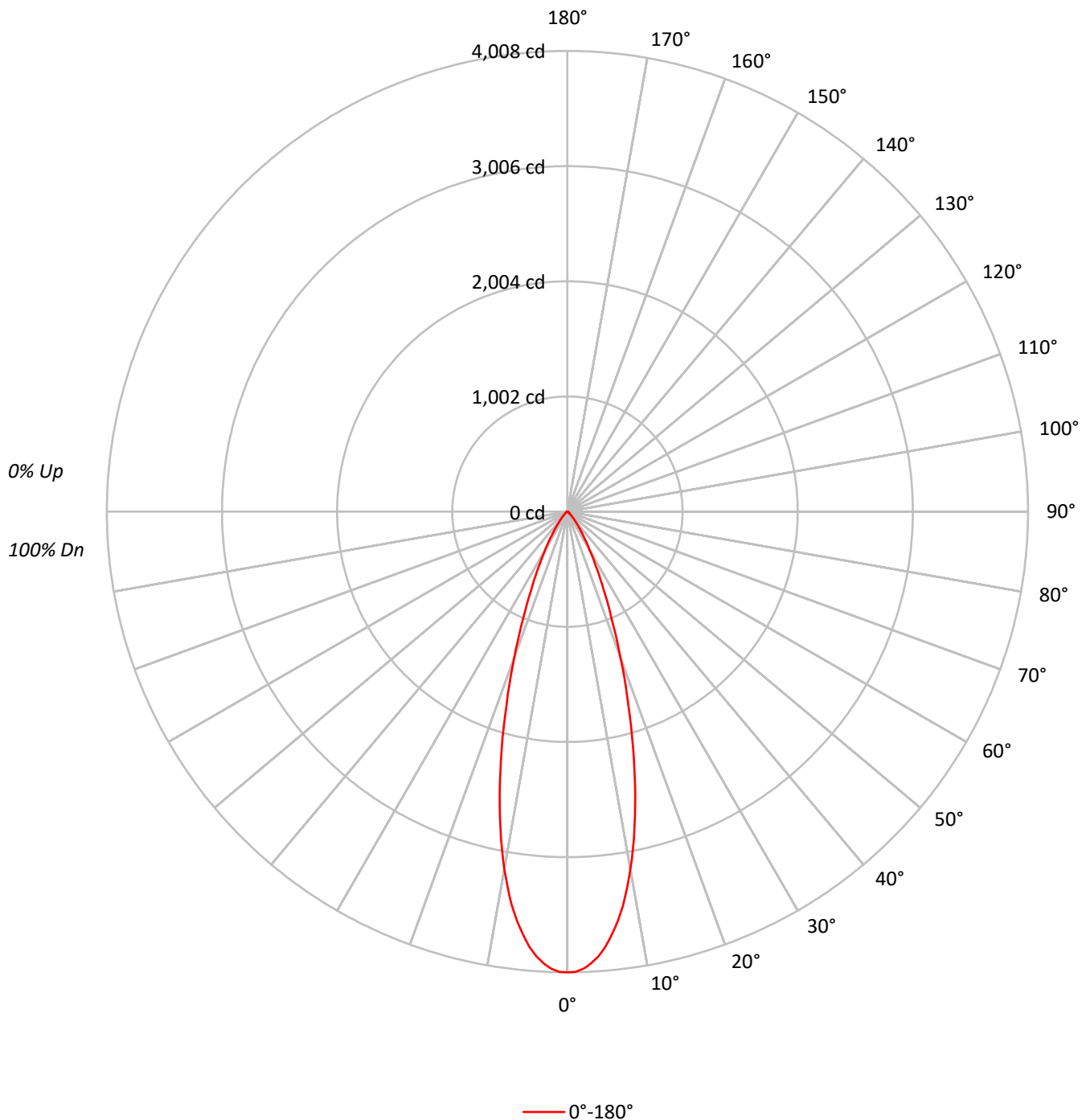
Lumens per Lamp: N/A
Luminaire Lumens: 1506.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		79	75	73	71
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	878789
5°	836428
10°	703550
15°	507381
20°	314724
25°	178994
30°	99433
35°	54074
40°	28511
45°	15443
50°	8256
55°	5429
60°	5000
65°	5189
70°	4552
75°	3643
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	22.7
10°-20°	608.2	40.4
20°-30°	351.5	23.3
30°-40°	133.4	8.9
40°-50°	40.9	2.7
50°-60°	13.8	0.9
60°-70°	9.3	0.6
70°-80°	5.1	0.3
80°-90°	1.5	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°	1301.9	86.4
0°-40°	1435.3	95.3
0°-60°	1490.1	98.9
0°-90°	1506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4008	
5°	3800	342
15°	2235	608
25°	740	352
35°	202	133
45°	50	41
55°	14	14
65°	10	9
75°	4	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

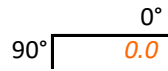
0°	
0°	4007.6
1°	4004.8
2°	3980.6
3°	3935.1
4°	3878.2
5°	3799.9
6°	3700.3
7°	3589.4
8°	3465.6
9°	3317.6
10°	3159.7
11°	2989.0
12°	2808.3
13°	2619.1
14°	2427.1
15°	2235.0
17.5°	1762.7
20°	1348.7
22.5°	1000.1
25°	739.8
27.5°	537.8
30°	392.7
32.5°	283.1
35°	202.0
37.5°	140.8
40°	99.6
42.5°	69.7
45°	49.8
47.5°	34.1
50°	24.2
52.5°	17.1
55°	14.2
57.5°	12.8
60°	11.4
62.5°	10.0
65°	10.0
67.5°	8.5
70°	7.1
72.5°	5.7
75°	4.3
77.5°	4.3
80°	2.8
82.5°	2.8
85°	1.4
87.5°	0.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)