

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: P1271458

Luminaire Tested: P3AS05R659827DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R659827DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

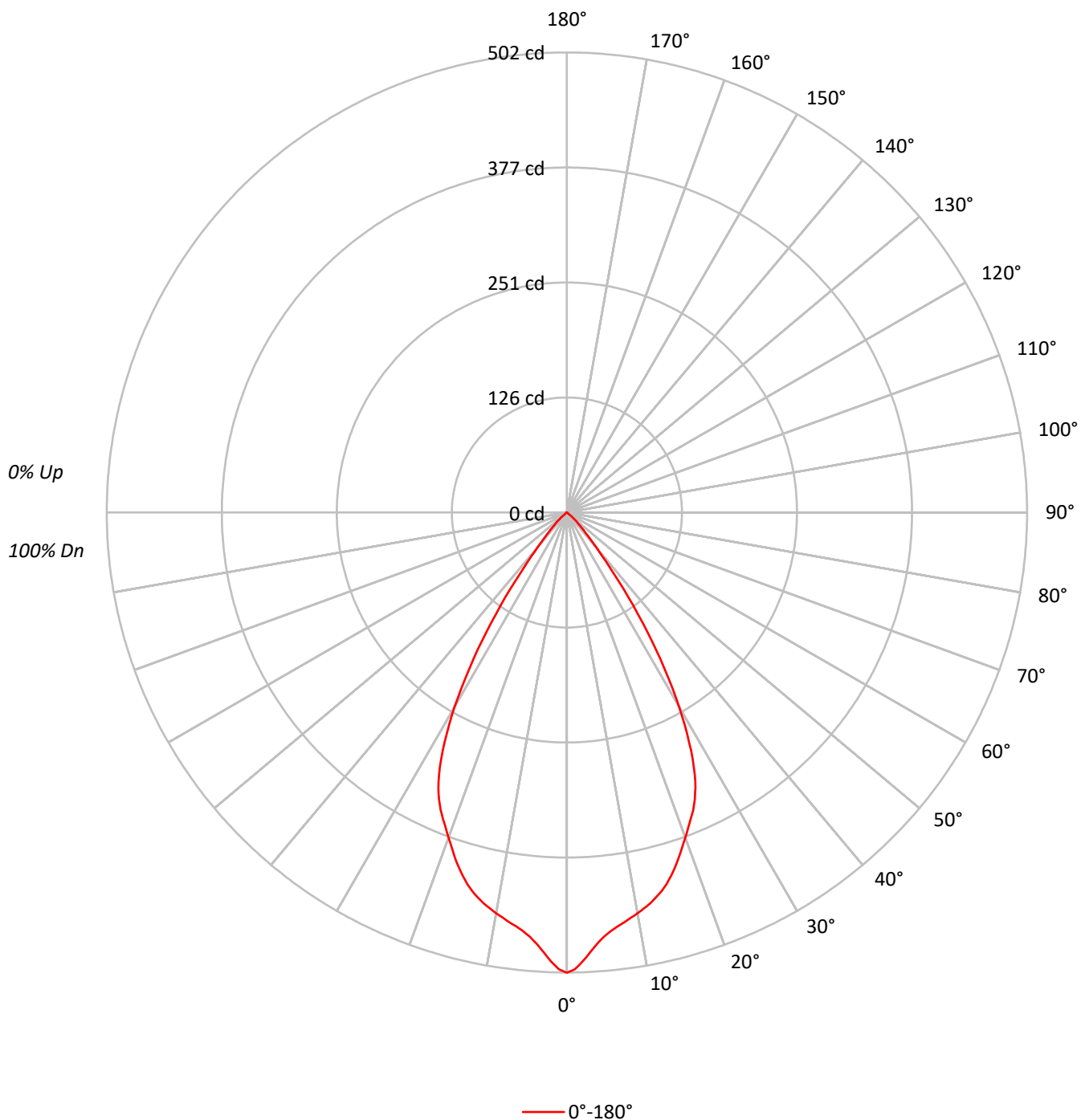
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78	77
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		68	63	60	59
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64	60	57	56
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110123
5°	102267
10°	98885
15°	95301
20°	88114
25°	80279
30°	62035
35°	35951
40°	14255
45°	6078
50°	1433
55°	191
60°	132
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	10.7
10°-20°	117.0	28.5
20°-30°	148.0	36.0
30°-40°	84.3	20.5
40°-50°	16.7	4.1
50°-60°	0.8	0.2
60°-70°	0.2	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	308.8	75.1
0°-40°	393.1	95.7
0°-60°	410.7	99.9
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	502	
5°	465	44
15°	420	117
25°	332	148
35°	134	84
45°	20	17
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	502.2
1°	498.5
2°	490.4
3°	480.9
4°	471.7
5°	464.6
6°	459.3
7°	455.1
8°	451.4
9°	447.7
10°	444.1
11°	440.2
12°	436.2
13°	431.3
14°	426.0
15°	419.8
16°	412.4
17°	404.3
18°	395.5
19°	386.2
20°	377.6
21°	368.8
22°	360.8
23°	352.6
24°	342.9
25°	331.8
26°	318.4
27°	302.4
28°	284.3
29°	265.1
30°	245.0
31°	222.8
32°	200.9
32.5°	189.5
33°	178.6
34°	156.3
35°	134.3
36°	114.0
37°	93.9
37.5°	83.6
38°	75.3
39°	61.0
40°	49.8
42.5°	30.7
45°	19.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	11.5
50°	4.2
52.5°	0.8
55°	0.5
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)