

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: P1257744

Luminaire Tested: P3AS17R309040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R309040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

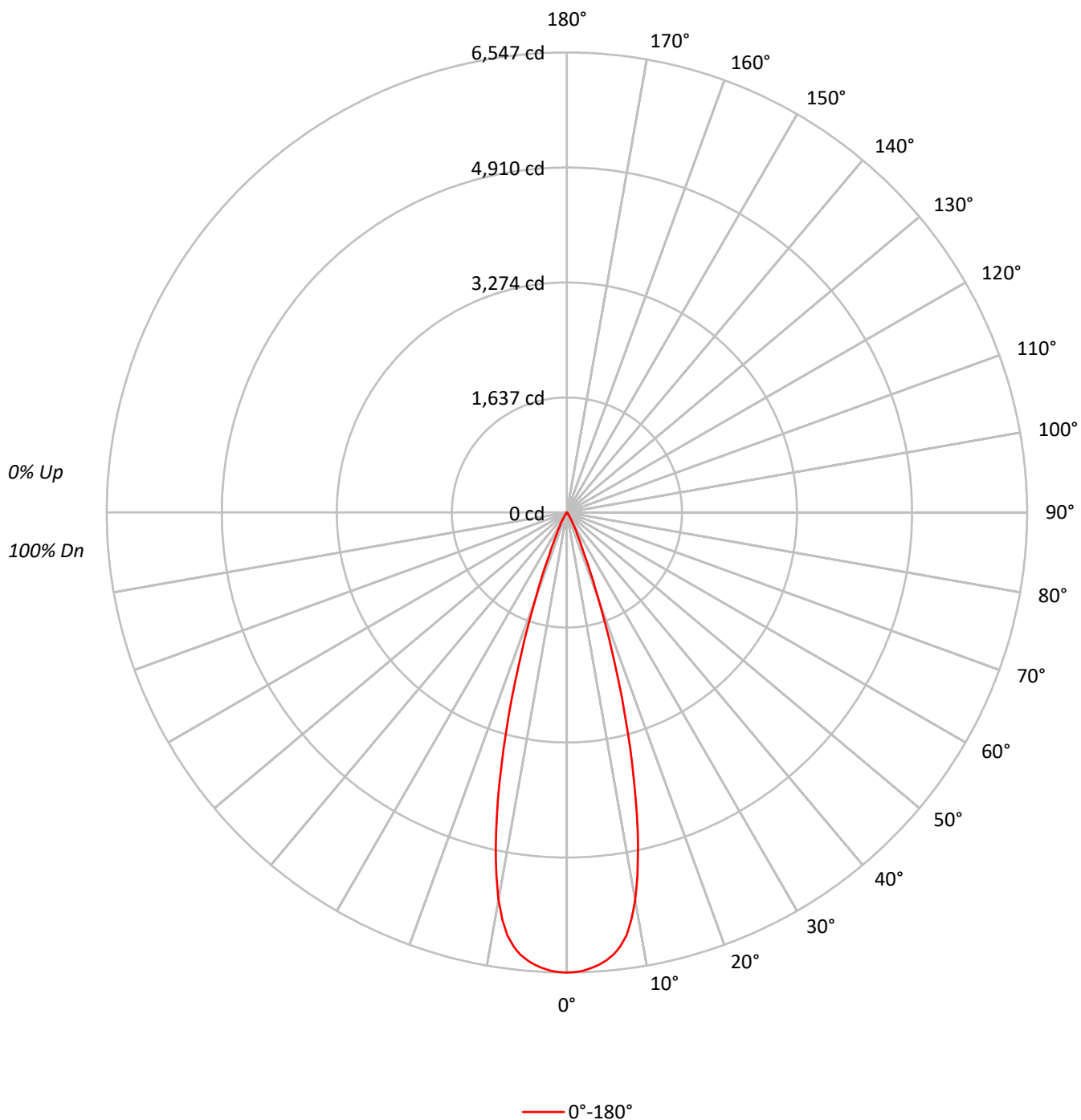
Lumens per Lamp: N/A
Luminaire Lumens: 1763.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91	88	87	85
6	99	93	89	86	98	92	88	86	91	88	85		90	87	85		89	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84	82	80	79
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		82	79	77	77
10	89	83	79	76	88	82	78	76	82	78	76		81	78	76		80	77	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1435674
5°	1408537
10°	1246915
15°	789993
20°	299883
25°	88795
30°	35069
35°	10761
40°	4752
45°	1706
50°	1433
55°	1070
60°	1228
65°	1453
70°	898
75°	1186
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 80°
Luminance: 1768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.2	33.4
10°-20°	916.7	52.0
20°-30°	212.9	12.1
30°-40°	33.0	1.9
40°-50°	5.6	0.3
50°-60°	2.7	0.2
60°-70°	2.2	0.1
70°-80°	1.5	0.1
80°-90°	0.2	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°	1717.9	97.4
0°-40°	1750.9	99.3
0°-60°	1759.2	99.8
0°-90°	1763.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1763.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6547	
5°	6399	588
15°	3480	917
25°	367	213
35°	40	33
45°	6	6
55°	3	3
65°	3	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6547.2
1°	6543.1
2°	6525.1
3°	6494.6
4°	6455.8
5°	6399.0
6°	6328.4
7°	6223.2
8°	6079.2
9°	5867.3
10°	5600.0
11°	5255.2
12°	4866.1
13°	4434.0
14°	3959.1
15°	3479.9
17.5°	2276.6
20°	1285.1
22.5°	656.4
25°	367.0
27.5°	225.7
30°	138.5
32.5°	74.8
35°	40.2
37.5°	26.3
40°	16.6
42.5°	9.7
45°	5.5
47.5°	4.2
50°	4.2
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.8
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)