

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: P1257867

Luminaire Tested: P3AS17R509040DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257867
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: P3AS17R509040DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

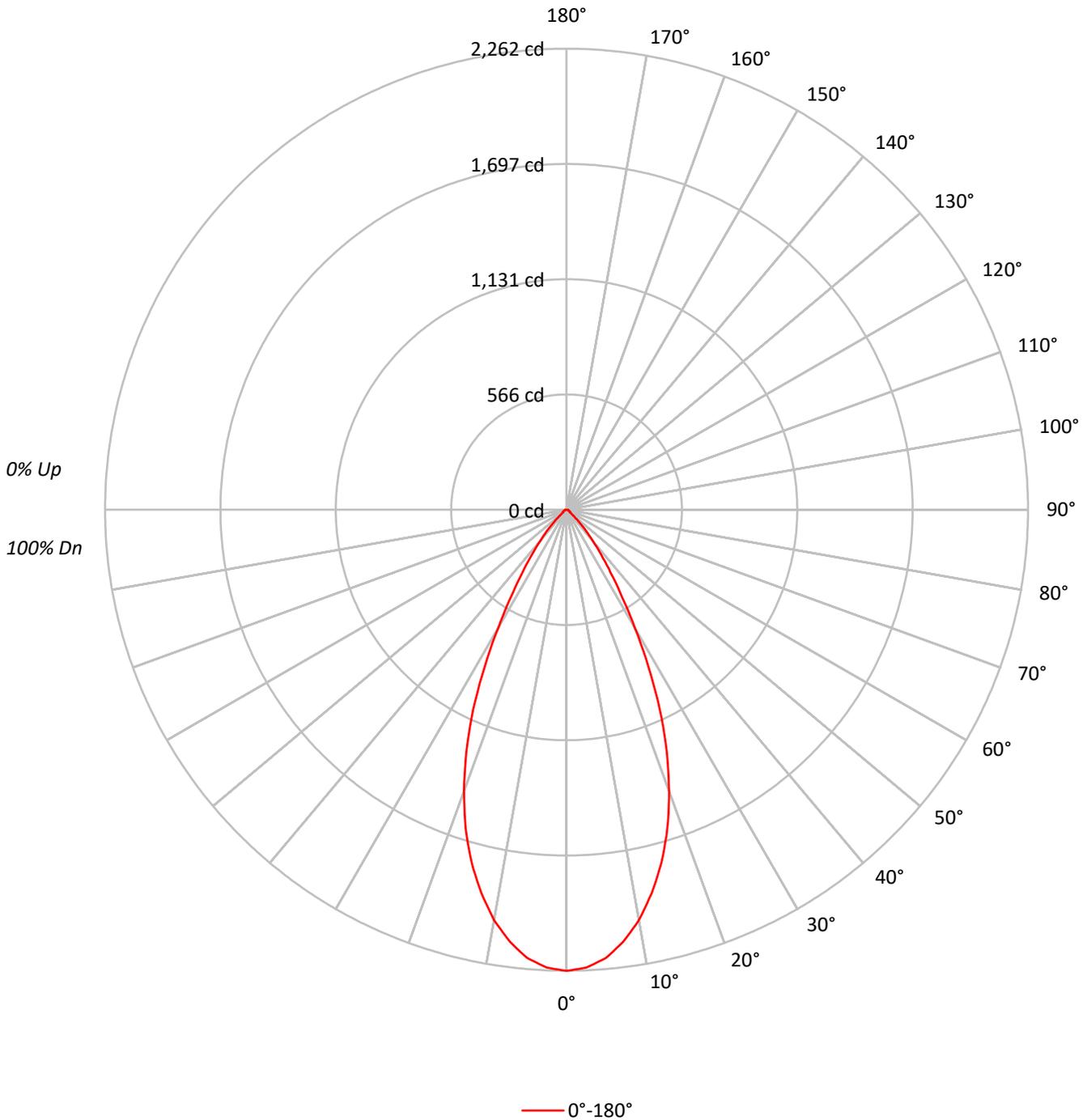
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1558.0 lumens
Efficiency: N/A
Efficacy: 73.5 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): 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				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76	76	76	76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72	72	72	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67	67	67	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64	64	64	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57	57	57	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54	54	54	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	496035
5°	486043
10°	455258
15°	407562
20°	342983
25°	261765
30°	170102
35°	100866
40°	58281
45°	29212
50°	10882
55°	8487
60°	7894
65°	7212
70°	7117
75°	7032
80°	6945
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29212 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	13.2
10°-20°	496.5	31.9
20°-30°	487.1	31.3
30°-40°	245.4	15.7
40°-50°	77.5	5.0
50°-60°	20.1	1.3
60°-70°	14.2	0.9
70°-80°	8.8	0.6
80°-90°	3.0	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°	1189.0	76.3
0°-40°	1434.4	92.1
0°-60°	1532.0	98.3
0°-90°	1558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2262	
5°	2208	205
15°	1795	496
25°	1082	487
35°	377	245
45°	94	78
55°	22	20
65°	14	14
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2262.1
2.5°	2248.3
5°	2208.1
7.5°	2136.1
10°	2044.6
12.5°	1926.9
15°	1795.3
17.5°	1642.9
20°	1469.8
22.5°	1282.7
25°	1081.9
27.5°	868.6
30°	671.8
32.5°	505.6
35°	376.8
37.5°	278.4
40°	203.6
42.5°	144.1
45°	94.2
47.5°	54.0
50°	31.9
52.5°	23.5
55°	22.2
57.5°	19.4
60°	18.0
62.5°	16.6
65°	13.9
67.5°	12.5
70°	11.1
72.5°	9.7
75°	8.3
77.5°	6.9
80°	5.5
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)