

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: P1249198

Luminaire Tested: P3AS13R209027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249198
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: P3AS13R209027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

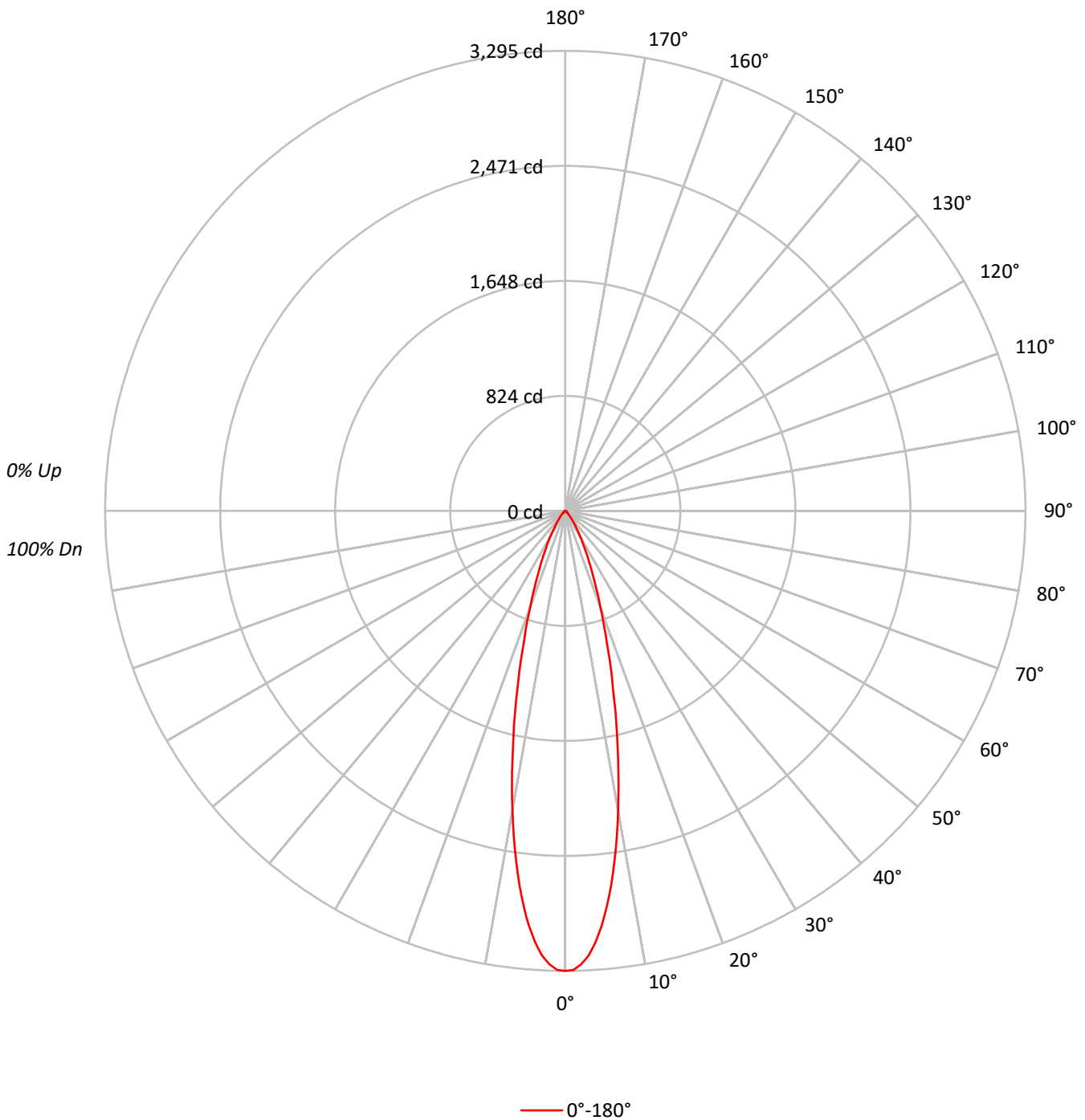
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 939.0 lumens
Efficiency: N/A
Efficacy: 64.3 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): 14.6
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	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92		91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88		87
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84		83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81		79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77		76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75		73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72		71
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69		68
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67		66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	722464
5°	656723
10°	485362
15°	300251
20°	171468
25°	97893
30°	54895
35°	29874
40°	16345
45°	8993
50°	5254
55°	3823
60°	3596
65°	3269
70°	2885
75°	3050
80°	2273
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8993 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.4	27.5
10°-20°	368.8	39.3
20°-30°	192.5	20.5
30°-40°	74.4	7.9
40°-50°	24.1	2.6
50°-60°	9.5	1.0
60°-70°	6.3	0.7
70°-80°	3.7	0.4
80°-90°	1.2	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°	819.7	87.3
0°-40°	894.1	95.2
0°-60°	927.8	98.8
0°-90°	939.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	939.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3295	
5°	2984	258
15°	1323	369
25°	405	193
35°	112	74
45°	29	24
55°	10	10
65°	6	6
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3294.7
1°	3288.3
2°	3249.3
3°	3189.4
4°	3096.9
5°	2983.5
6°	2849.3
7°	2700.5
8°	2528.1
9°	2360.3
10°	2179.8
12.5°	1732.6
15°	1322.6
17.5°	989.7
20°	734.8
22.5°	544.3
25°	404.6
27.5°	298.4
30°	216.8
32.5°	156.9
35°	111.6
37.5°	80.7
40°	57.1
42.5°	40.8
45°	29.0
47.5°	20.9
50°	15.4
52.5°	11.8
55°	10.0
57.5°	9.1
60°	8.2
62.5°	7.3
65°	6.3
67.5°	5.4
70°	4.5
72.5°	4.5
75°	3.6
77.5°	2.7
80°	1.8
82.5°	1.8
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)