

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: P1265786

Luminaire Tested: P3A20R309730D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265786
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: P3A20R309730D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

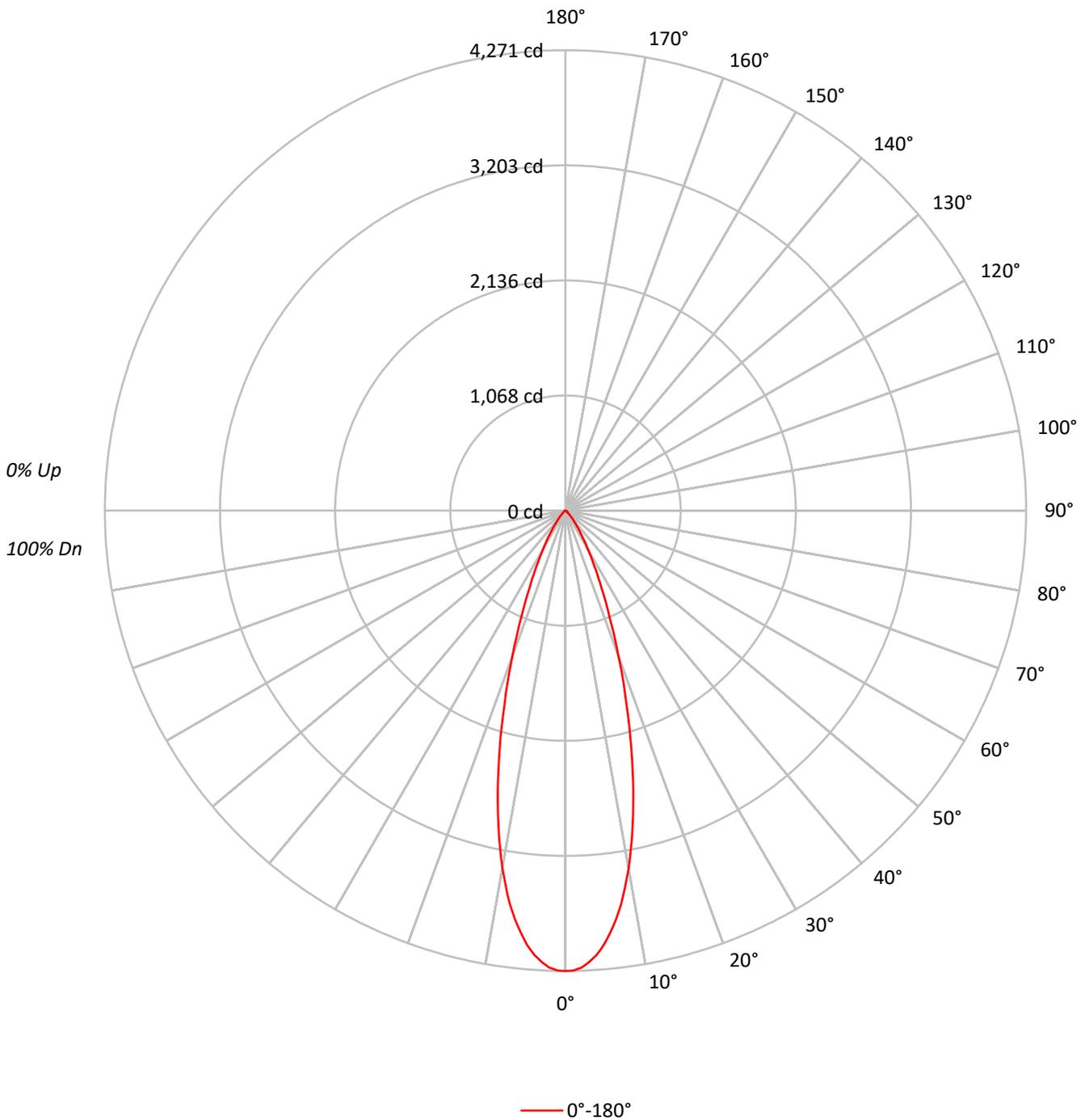
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1605.0 lumens
Efficiency: N/A
Efficacy: 55.7 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): 28.8
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	91	91
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	88	88
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	85	85
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	85	85
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75	81	81
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	71	76	76
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	73	73
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	73	73
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	63	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	936570
5°	891413
10°	749797
15°	540730
20°	335399
25°	190753
30°	105966
35°	57634
40°	30371
45°	16467
50°	8801
55°	5811
60°	5307
65°	5500
70°	4873
75°	3813
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.6	22.7
10°-20°	648.2	40.4
20°-30°	374.6	23.3
30°-40°	142.2	8.9
40°-50°	43.7	2.7
50°-60°	14.7	0.9
60°-70°	9.9	0.6
70°-80°	5.4	0.3
80°-90°	1.6	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°	1387.5	86.5
0°-40°	1529.7	95.3
0°-60°	1588.0	98.9
0°-90°	1605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4271	
5°	4050	365
15°	2382	648
25°	788	375
35°	215	142
45°	53	44
55°	15	15
65°	11	10
75°	4	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4271.1
1°	4268.1
2°	4242.3
3°	4193.8
4°	4133.1
5°	4049.7
6°	3943.6
7°	3825.3
8°	3693.4
9°	3535.7
10°	3367.4
11°	3185.5
12°	2992.9
13°	2791.3
14°	2586.6
15°	2381.9
17.5°	1878.6
20°	1437.3
22.5°	1065.9
25°	788.4
27.5°	573.1
30°	418.5
32.5°	301.7
35°	215.3
37.5°	150.1
40°	106.1
42.5°	74.3
45°	53.1
47.5°	36.4
50°	25.8
52.5°	18.2
55°	15.2
57.5°	13.6
60°	12.1
62.5°	10.6
65°	10.6
67.5°	9.1
70°	7.6
72.5°	6.1
75°	4.5
77.5°	4.5
80°	3.0
82.5°	3.0
85°	1.5
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)