

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: P1270635

Luminaire Tested: P3A20R459740D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459740D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

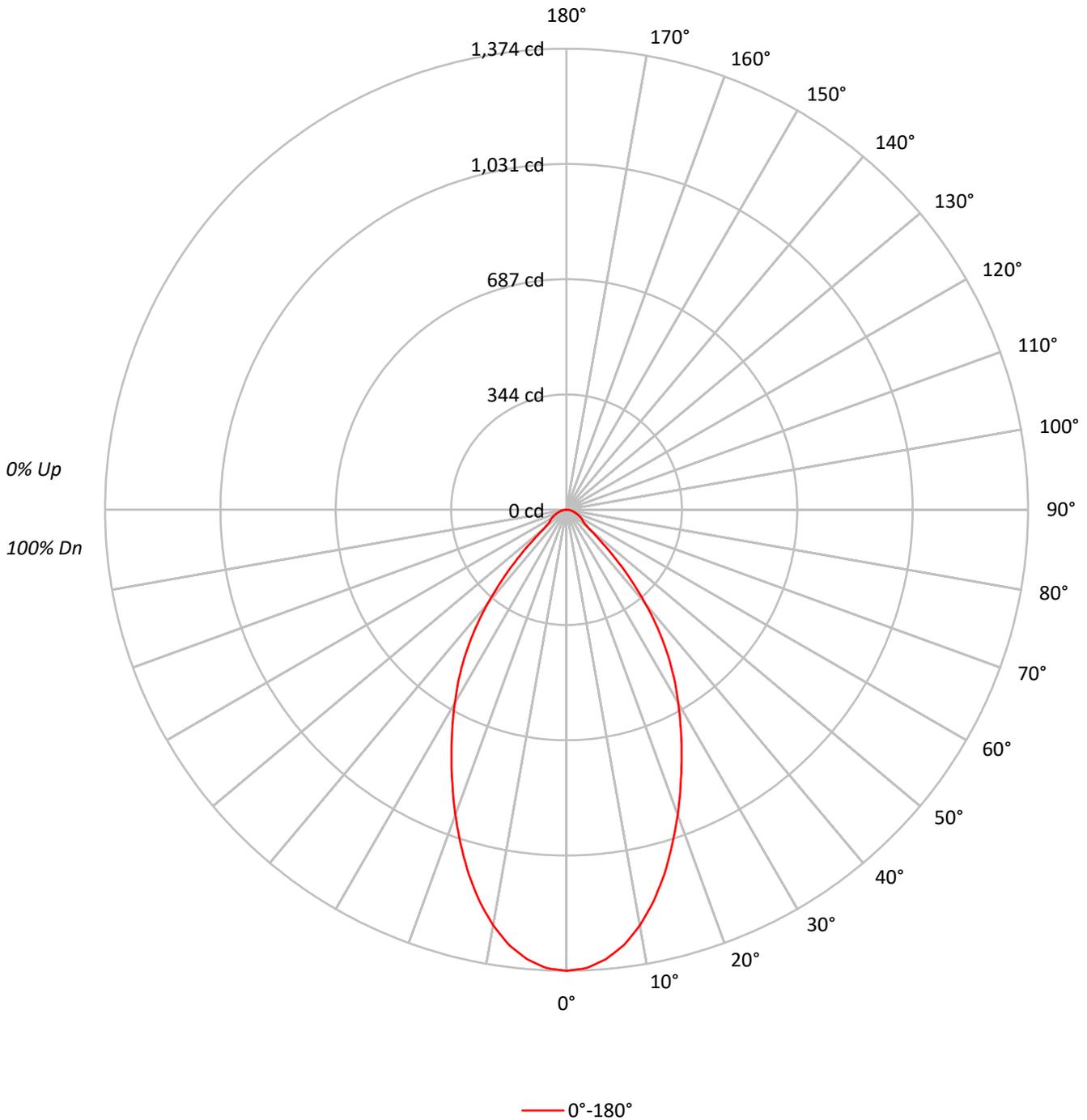
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1421.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
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	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75	75	75	75
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69	69	69	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63	63	63	63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47	47	47	47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301292
5°	295949
10°	280044
15°	255393
20°	225840
25°	196124
30°	168355
35°	140271
40°	104539
45°	63976
50°	29611
55°	23168
60°	22279
65°	20391
70°	18913
75°	18046
80°	16543
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	8.8
10°-20°	313.2	22.0
20°-30°	372.2	26.2
30°-40°	323.4	22.8
40°-50°	162.1	11.4
50°-60°	56.3	4.0
60°-70°	39.5	2.8
70°-80°	22.0	1.6
80°-90°	6.7	0.5
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°	811.0	57.1
0°-40°	1134.3	79.8
0°-60°	1352.8	95.2
0°-90°	1421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1374	
5°	1344	126
15°	1125	313
25°	811	372
35°	524	323
45°	206	162
55°	61	56
65°	39	40
75°	21	22
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1374.0
2.5°	1367.4
5°	1344.5
7.5°	1308.5
10°	1257.7
12.5°	1195.5
15°	1125.0
17.5°	1046.4
20°	967.8
22.5°	887.6
25°	810.6
27.5°	736.9
30°	664.9
32.5°	596.1
35°	524.0
37.5°	447.1
40°	365.2
42.5°	284.9
45°	206.3
47.5°	135.9
50°	86.8
52.5°	67.1
55°	60.6
57.5°	55.7
60°	50.8
62.5°	45.9
65°	39.3
67.5°	34.4
70°	29.5
72.5°	24.6
75°	21.3
77.5°	16.4
80°	13.1
82.5°	9.8
85°	4.9
87.5°	3.3
90°	0.0

(END OF REPORT)