

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: P1270637

Luminaire Tested: P3A20R459740D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270637
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 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

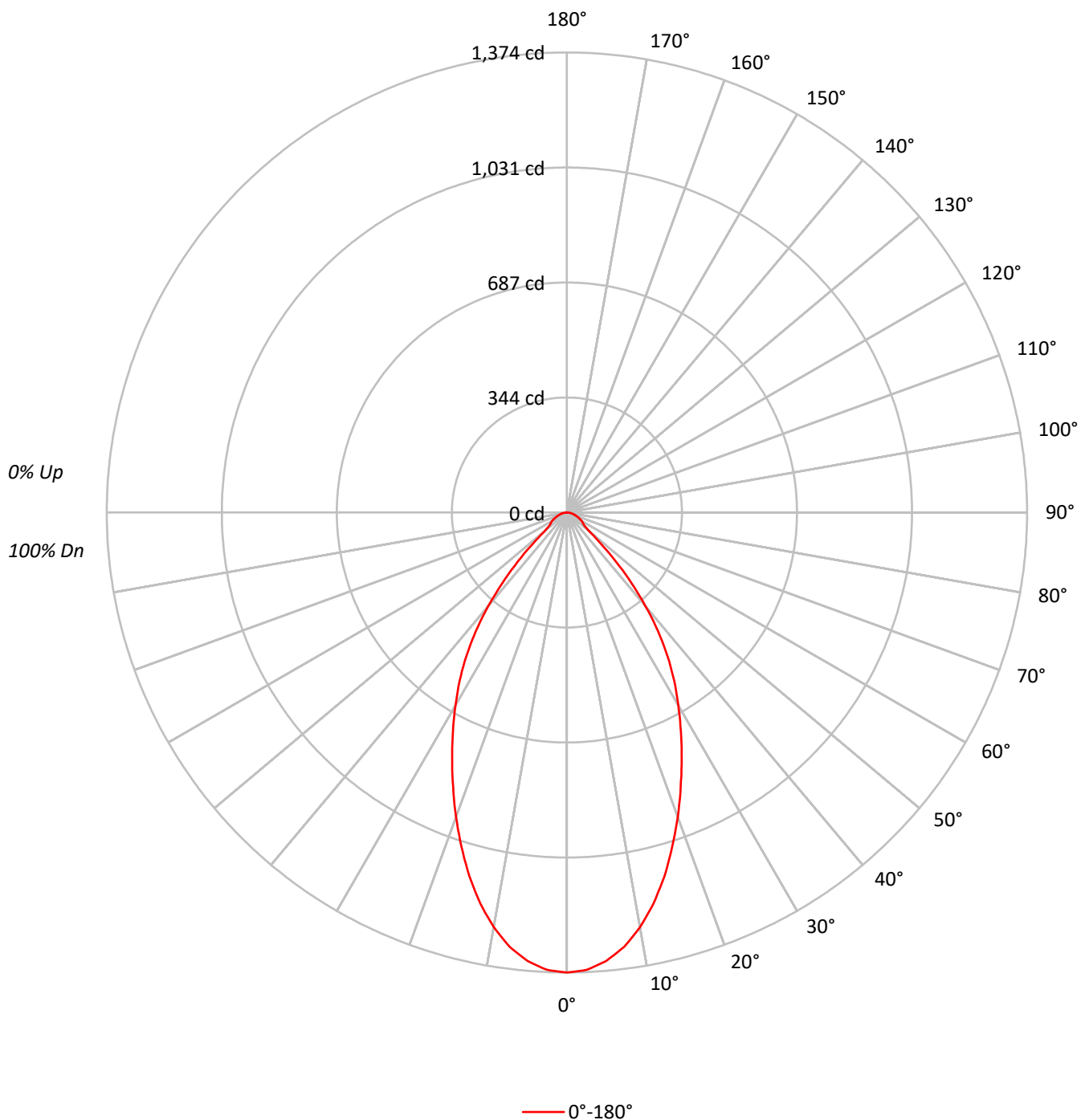
Lumens per Lamp: N/A
Luminaire Lumens: 1421.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					30					10					0
RW	70	50	30	10		70	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
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	99	92	86	82		97	90	85	81		88	83	80		85	81	78		83	80	77
4	94	85	78	74		92	84	78	73		81	76	72		79	75	71		77	74	71
5	88	79	72	67		86	78	71	67		76	70	66		74	69	65		72	68	65
6	83	73	66	61		81	72	66	61		71	65	61		69	64	60		68	63	60
7	78	68	61	57		77	67	61	56		66	60	56		65	60	56		64	59	55
8	74	64	57	52		73	63	57	52		62	56	52		61	56	52		60	55	52
9	70	60	53	49		69	59	53	49		58	52	48		57	52	48		56	52	48
10	67	56	50	45		66	56	49	45		55	49	45		54	49	45		53	48	45

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)