

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: P1270666

Luminaire Tested: P3A20R509740D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509740D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

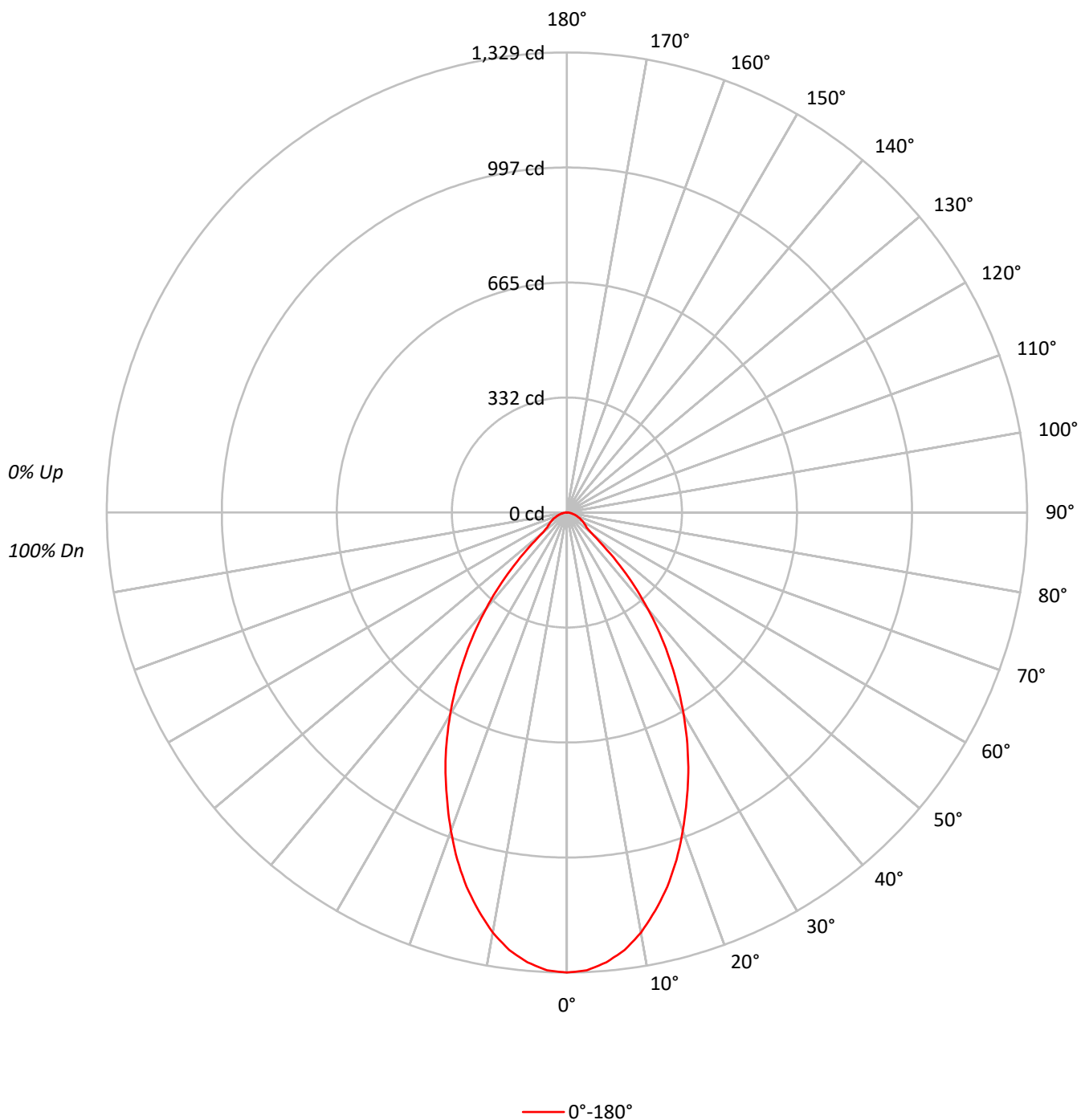
Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	291424
5°	287122
10°	274410
15°	254144
20°	228383
25°	200770
30°	170735
35°	138450
40°	103995
45°	66984
50°	31828
55°	25041
60°	23682
65°	22104
70°	19939
75°	18046
80°	16543
85°	16354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	8.5
10°-20°	312.1	21.8
20°-30°	379.2	26.4
30°-40°	321.6	22.4
40°-50°	167.0	11.6
50°-60°	60.3	4.2
60°-70°	41.7	2.9
70°-80°	22.7	1.6
80°-90°	7.1	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°	813.6	56.7
0°-40°	1135.2	79.2
0°-60°	1362.5	95.0
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1329	
5°	1304	122
15°	1120	312
25°	830	379
35°	517	322
45°	216	167
55°	66	60
65°	43	42
75°	21	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1329.0
2.5°	1324.1
5°	1304.4
7.5°	1275.0
10°	1232.4
12.5°	1178.4
15°	1119.5
17.5°	1052.4
20°	978.7
22.5°	903.4
25°	829.8
27.5°	752.9
30°	674.3
32.5°	595.7
35°	517.2
37.5°	440.3
40°	363.3
42.5°	289.7
45°	216.0
47.5°	144.0
50°	93.3
52.5°	72.0
55°	65.5
57.5°	58.9
60°	54.0
62.5°	47.5
65°	42.6
67.5°	36.0
70°	31.1
72.5°	26.2
75°	21.3
77.5°	16.4
80°	13.1
82.5°	9.8
85°	6.5
87.5°	3.3
90°	0.0

(END OF REPORT)