

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: P1247847

Luminaire Tested: P3A20R709024D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709024D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

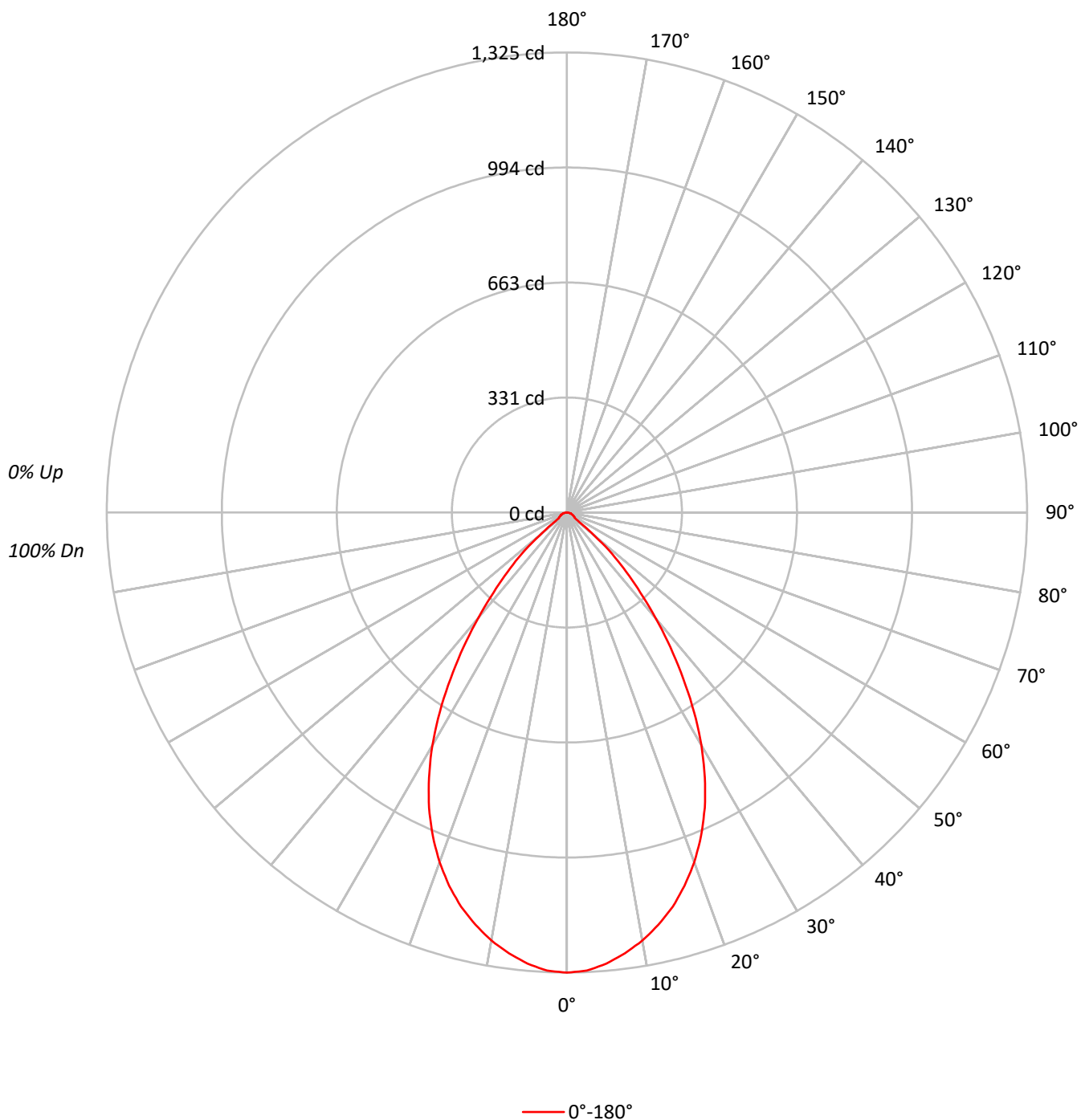
Lumens per Lamp: N/A
Luminaire Lumens: 1501.0 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	290591
5°	287100
10°	278797
15°	266994
20°	250085
25°	227215
30°	196258
35°	156413
40°	113928
45°	74891
50°	35103
55°	10819
60°	10438
65°	10066
70°	9553
75°	10082
80°	9471
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74891 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	8.2
10°-20°	329.1	21.9
20°-30°	427.8	28.5
30°-40°	363.0	24.2
40°-50°	187.2	12.5
50°-60°	36.1	2.4
60°-70°	19.6	1.3
70°-80°	12.0	0.8
80°-90°	3.5	0.2
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°	879.8	58.6
0°-40°	1242.8	82.8
0°-60°	1466.0	97.7
0°-90°	1501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1501.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1325	
5°	1304	123
15°	1176	329
25°	939	428
35°	584	363
45°	242	187
55°	28	36
65°	19	20
75°	12	12
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1325.2
2.5°	1320.7
5°	1304.3
7.5°	1280.4
10°	1252.1
12.5°	1216.3
15°	1176.1
17.5°	1126.9
20°	1071.7
22.5°	1009.1
25°	939.1
27.5°	860.1
30°	775.1
32.5°	681.2
35°	584.3
37.5°	488.9
40°	398.0
42.5°	313.0
45°	241.5
47.5°	177.4
50°	102.9
52.5°	44.7
55°	28.3
57.5°	26.8
60°	23.8
62.5°	22.4
65°	19.4
67.5°	17.9
70°	14.9
72.5°	13.4
75°	11.9
77.5°	8.9
80°	7.5
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)