

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: P1270612

Luminaire Tested: P3A20R409740D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

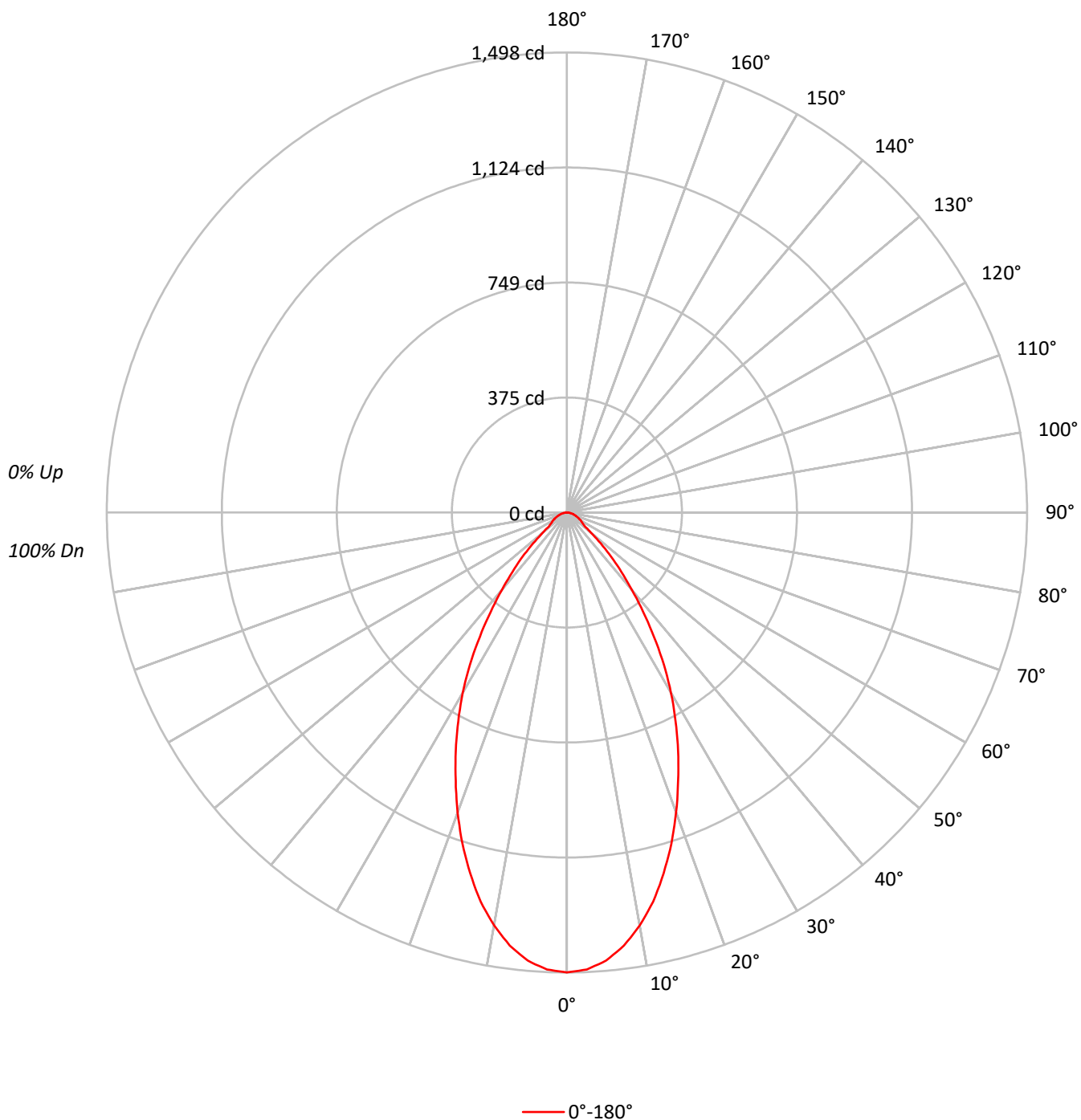
Lumens per Lamp: N/A
Luminaire Lumens: 1463.0 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328417
5°	322451
10°	303958
15°	276097
20°	242548
25°	207133
30°	171571
35°	132320
40°	94176
45°	63448
50°	34626
55°	24391
60°	22981
65°	21221
70°	18913
75°	18046
80°	14522
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	9.3
10°-20°	338.8	23.2
20°-30°	391.6	26.8
30°-40°	308.6	21.1
40°-50°	158.4	10.8
50°-60°	60.6	4.1
60°-70°	40.1	2.7
70°-80°	21.8	1.5
80°-90°	6.5	0.4
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°	867.0	59.3
0°-40°	1175.7	80.4
0°-60°	1394.7	95.3
0°-90°	1463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1498	
5°	1465	137
15°	1216	339
25°	856	392
35°	494	309
45°	205	158
55°	64	61
65°	41	40
75°	21	22
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1497.7
2.5°	1489.5
5°	1464.9
7.5°	1422.4
10°	1365.1
12.5°	1298.0
15°	1216.2
17.5°	1131.0
20°	1039.4
22.5°	946.1
25°	856.1
27.5°	766.0
30°	677.6
32.5°	587.6
35°	494.3
37.5°	407.6
40°	329.0
42.5°	261.9
45°	204.6
47.5°	148.9
50°	101.5
52.5°	73.7
55°	63.8
57.5°	57.3
60°	52.4
62.5°	45.8
65°	40.9
67.5°	34.4
70°	29.5
72.5°	24.6
75°	21.3
77.5°	16.4
80°	11.5
82.5°	9.8
85°	4.9
87.5°	3.3
90°	0.0

(END OF REPORT)