

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: P1270605

Luminaire Tested: P3A20R409740D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

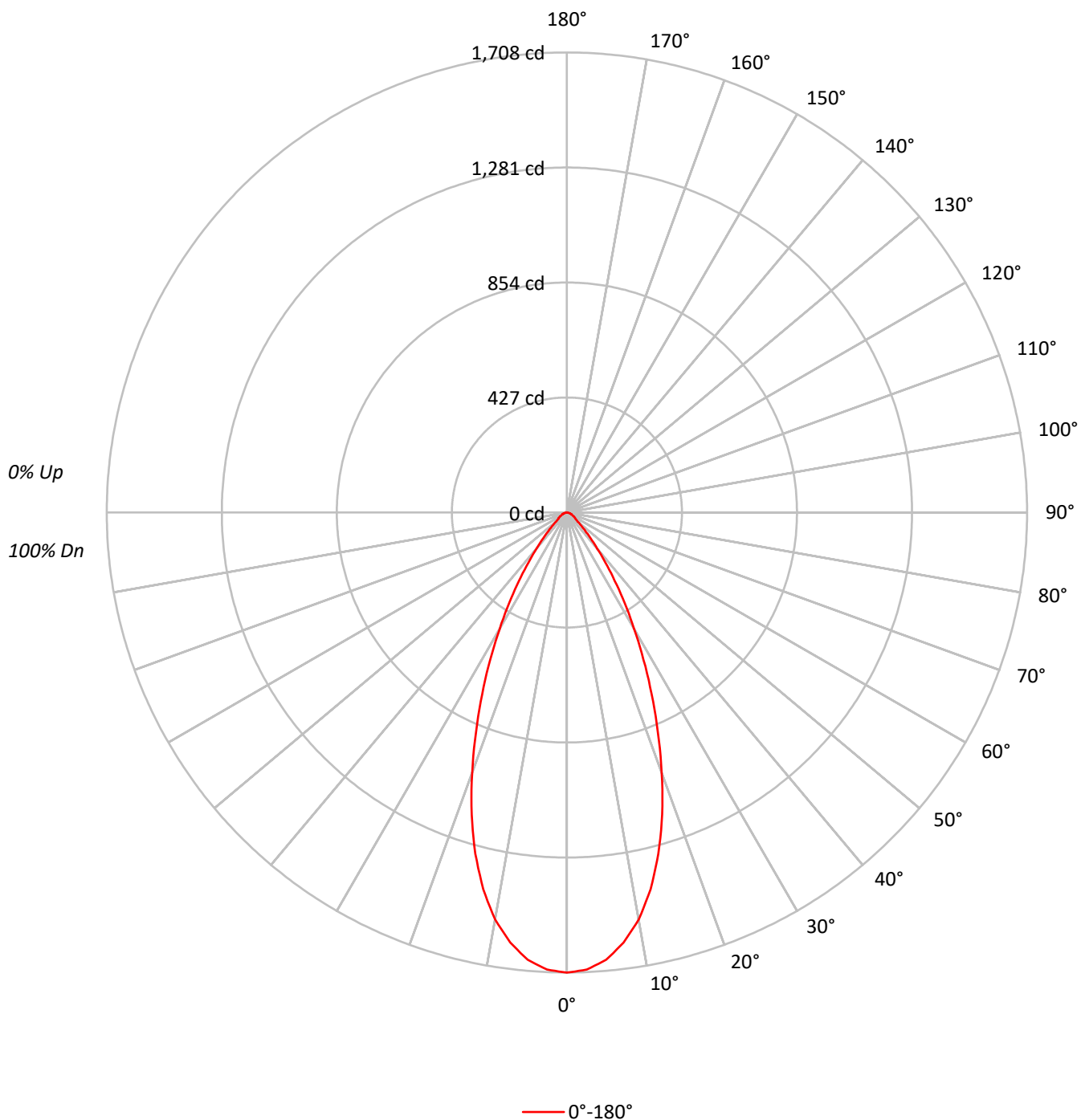
Lumens per Lamp: N/A
Luminaire Lumens: 1203.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	374597
5°	367003
10°	341699
15°	297822
20°	240028
25°	179914
30°	126475
35°	82851
40°	50151
45°	29957
50°	17876
55°	14413
60°	12938
65°	11052
70°	10515
75°	8303
80°	8334
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	12.9
10°-20°	361.3	30.0
20°-30°	340.5	28.3
30°-40°	196.9	16.4
40°-50°	78.4	6.5
50°-60°	34.7	2.9
60°-70°	21.5	1.8
70°-80°	11.2	0.9
80°-90°	3.6	0.3
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°	856.7	71.2
0°-40°	1053.6	87.6
0°-60°	1166.7	97.0
0°-90°	1203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1708	
5°	1667	155
15°	1312	361
25°	744	340
35°	310	197
45°	97	78
55°	38	35
65°	21	21
75°	10	11
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1708.3
2.5°	1698.4
5°	1667.3
7.5°	1610.0
10°	1534.6
12.5°	1433.1
15°	1311.9
17.5°	1176.0
20°	1028.6
22.5°	881.1
25°	743.6
27.5°	615.8
30°	499.5
32.5°	398.0
35°	309.5
37.5°	234.2
40°	175.2
42.5°	131.0
45°	96.6
47.5°	70.4
50°	52.4
52.5°	42.6
55°	37.7
57.5°	34.4
60°	29.5
62.5°	24.6
65°	21.3
67.5°	18.0
70°	16.4
72.5°	13.1
75°	9.8
77.5°	8.2
80°	6.6
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)